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TUESDAY, OCTOBER 31, 2017
CITY COUNCIL REVISED AGENDA
4:00 PM

- I. Call to Order.
- II. Pledge of Allegiance/Invocation (Vice Chairman Smith).
- III. Minute Approval.
- IV. Special Presentation.
- V. **Ordinances – Final Reading:**

PUBLIC WORKS AND TRANSPORTATION

Transportation

- a. [2017-126 Henry Apartments, LLC \(Abandonment\). An ordinance closing and abandoning an unopened alley off the 500 block of Cherokee Boulevard, to allow for construction of a new apartment building, as detailed on the attached map, subject to certain conditions. \(District 1\) \(Recommended for approval by Transportation\)](#)

- VI. **Ordinances – First Reading:**

LEGAL

- a. [An ordinance considering the requested deannexation of one \(1\) tract of property located adjacent to Wauhatchie Pike and Emmaus Road which is referenced as Tax Map Parcel No. 165-008 containing approximately three hundred ninety \(390\) acres which is currently in the City of Chattanooga. \(Revised Alternative Version\)](#)

- VII. **Resolutions:**

FIRE

- a. [A resolution to approve the continuance of the Supplemental Fire Services Agreement with the Tri-Community Volunteer Fire Department for protection of the Ooltewah Annexation area within the City of Chattanooga, TN, subject to an annual increase of five \(5%\) percent during each subsequent year of the contract and any renewals, for the initial term to extend for a period of three \(3\) years, for an amount not to exceed \\$28,225.00 quarterly beginning July 1, 2016, for a total amount of \\$355,917.25.](#)

HUMAN RESOURCES

- b. [A resolution authorizing the appointments of Keith Martin, Michael Glenn, Matthew Scott, Elizabeth Spaulding, Lebron Durham, Kenneth Fairchild, Austin Holland, Dallas Longwith, and Edward Robinson as special police officers \(armed\) for the Hamilton County Parks and Recreation to do special duties as prescribed herein, subject to certain conditions. \(Deferred from 10/17/17\)](#)

MAYOR'S OFFICE

- c. [A resolution to confirm the Mayor's appointment of Thomas Palmer to the Regional Planning Commission.](#)

POLICE

- d. [A resolution approving a Change Order concerning Purchase Order No. 542785 with International Business Machines \(IBM\) to reflect the project change order submitted per IBM to complete integration of CopLink Node Upgrade Activities for the existing statement of work for the RTIC Business Intelligence Solution, in the amount of \\$325,420.00.](#)

PUBLIC WORKS AND TRANSPORTATION

Transportation

- e. [A resolution authorizing Juan Bustamante, property owner, to use temporarily an unopened right-of-way located east of 414 Beck Avenue for the purpose of construction access to the property to build a parking area, as shown on the maps attached hereto and made a part hereof by reference, subject to certain conditions. \(District 2\) \(Revised\)](#)
- f. [A resolution authorizing the Administrator for the Department of Transportation to enter into a Partnership Agreement with Exchange at Cameron Harbor, Project No. T-17-002-807, located at 804 Riverfront Parkway and to accept a contribution of \\$22,767.57 towards the cost of nine \(9\) pedestrian light poles, luminaires, conduits, and installation. \(District 7\)](#)
- g. [A resolution authorizing the Administrator for the Department of Transportation to enter into a Partnership Agreement with Triad Corporation Electrical Contractors for the Miller Park District, Phase 1, Project No. T-17-002-809, located at East M.L. King Boulevard and to accept a contribution of \\$36,467.03 towards the cost of eleven \(11\) pedestrian light poles and luminaires and for the installation of twenty \(20\) pedestrian light poles. \(District 7\)](#)

VIII. Purchases.

Revised Agenda for Tuesday, October 31, 2017

Page 3

IX. Other Business.

- a. [Jennifer L. Coradini d/b/a Vintage Wine and Spirits - Certificate of Compliance \(District 1\)](#)
- b. [Nana826 LLC d/b/a Harrison Wine and Spirits - Certificate of Compliance \(District 6\)](#)

X. Committee Reports.

- a. **PUBLIC HEARING - Storm Water Ordinance
(5 minutes per person/total 60 minutes max.)**

XI. Recognition of Persons Wishing to Address the Council on Non-Agenda Matters.

XII. Adjournment.

TUESDAY, NOVEMBER 7, 2017
CITY COUNCIL AGENDA
6:00 PM

1. Call to Order.
2. Pledge of Allegiance/Invocation (Councilman Ledford).
3. Minute Approval.
4. Special Presentation.
5. **Ordinances – Final Reading:**

LEGAL

- a. [An ordinance considering the requested deannexation of one \(1\) tract of property located adjacent to Wauhatchie Pike and Emmaus Road which is referenced as Tax Map Parcel No. 165-008 containing approximately three hundred ninety \(390\) acres which is currently in the City of Chattanooga. \(Revised Alternative Version\)](#)
6. **Ordinances – First Reading:**

ECONOMIC AND COMMUNITY DEVELOPMENT

- a. [An ordinance to amend Chattanooga City Code, Part II, Chapter 21, Article VIII, Office of the Administrative Hearing Officer, Section 21-150, Creation by ordinance, contents of ordinance, interlocal agreements, existing municipal power or authority.](#)

FINANCE

- b. [An ordinance to amend Chattanooga City Code, Part II, Chapter 2, relative to the Fire and Police Pension Fund and Limitations and Rollovers.](#)

POLICE

- c. [An ordinance to amend Chattanooga City Code, Chapter 5, Section 5-87, Consumption of Alcoholic Beverages and Beer Prohibited in Certain Places; Open Containers of Alcoholic Beverages and Beer Prohibited in Certain Places.](#)

TRANSPORTATION

- d. [An ordinance granting a franchise to Crown Castle NG Central LLC, for the purpose of allowing it to construct, install and operate certain telecommunications wires and cabling within the public rights-of-way in order to provide telecommunications services within the City; setting forth conditions accompanying the grant of the franchise; providing for regulation and use of the system and the public rights-of-way in conjunction with the City's right-of-way ordinance; and prescribing penalties for the violations of the provisions herein.](#)

7. **Resolutions:**

HUMAN RESOURCES

- a. A resolution authorizing the appointment of Sharon Martin, as a special police officer (unarmed) for the Department of Economic and Community Development, to do special duty as prescribed herein, subject to certain conditions.

PUBLIC WORKS AND TRANSPORTATION

Public Works

- b. A resolution authorizing the award of Contract No. W-17-002-201 to Tri-State Roofing Contractors, Inc. of Chattanooga, TN, Replacement of Roofing System for Maintenance Building at MBWWTP, in the amount of \$113,426.92, with a contingency amount of \$11,300.00, for an amount not to exceed \$124,726.92. (District 1)
- c. A resolution authorizing the award of Contract No. R-17-002-201 to Raines Brothers, Inc. of Chattanooga, TN, Middle Street Office Renovation Project, in the amount of \$183,160.00, with a contingency amount of \$18,300.00, for an amount not to exceed \$201,460.00. (District 7)
- d. A resolution authorizing the approval of Change Order No. 2 to CDM Smith for professional services related to Phase Two of Contract No. S-15-016, East Lake Water Quality Restoration, for an increased amount of \$24,600.00, for design services to include additional components for overall improvements of the park, with the total revised contract amount not to exceed \$373,000.00. (District 7)
- e. A resolution to rename the 700 to 799 block of University Street to the 700 to 799 block of James R. Mapp Street, as referenced in Case Number 2017-PW-04. (District 7) (Councilman Oglesby's request per PW)
- f. A resolution authorizing the City Finance Officer to execute Loan Agreement No. CW6 2018-405, and all necessary documents, with the Tennessee Department of Environment and Conservation for financing of capital construction projects required by the Consent Decree for the Interceptor Sewer System (ISS). (Consent Decree)
- g. A resolution to amend Resolution No. 29170 to include the renewable terms of the contract with Material Matters, Inc. to be renewable for four (4) additional one (1) year terms upon mutual agreement, and in addition the contract shall be retroactive to July 1, 2017, to maintain competitive pricing, for a total amount of \$44,925.00.

8. Purchases.

9. Other Business.

Revised Agenda for Tuesday, October 31, 2017

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10. Committee Reports.
11. Recognition of Persons Wishing to Address the Council on Non-Agenda Matters.
12. Adjournment.

Emergency Purchases 10-31-17

DEPARTMENT ACQUISITION NO.	ITEM DESCRIPTION	BIDS REQUESTED	BIDS RETURNED	SUPPLIER	COST	FUND NAME	NOTES
R160905 Public Works	Emergency Purchase of Landfill Disposal-Waste Resources Division	-	-	Aqua Treat, Inc. 115 Parmenas Lane Chattanooga, TN 37405	\$1,865.00	Interceptor Sewer Operations	Emergency Purchase Order 546135- Landfill Disposal-Waste Resources Division. This purchase was necessary as a proactive measure to protect the health and safety of the environment and was justified by the Public Works Dept., as in the City's best interest. Emergency purchase of Transport of Special Waste is approved as per Ordinance 5608, Section 3.



City of Chattanooga

Mayor Andy Berke

October 19, 2017

Mr. Justin Holland, Administrator
Public Works Department
Development Resource Center
1250 Market Street – Suite 2100
Chattanooga, TN 37402

Subject: Requisition 160905 / PO 546135 – Emergency Purchase of Landfill Disposal – Waste Resources Division – Public Works Department

Dear Mr. Holland:

Construction work on the headworks at Moccasin Bend Waste Water Treatment Plant caused a buildup of sludge material in the Primary Channels 1–8. This material (Special Waste estimated at approximately 100 tons) was judged too heavy to be processed through newly installed equipment in the Primaries. Hence, removal and transport to a landfill was deemed necessary. Bradley County Landfill had been the only landfill where Waste Resources Division (WRD) was permitted to dispose of Biosolid Sludge and Special Waste. However, Bradley County Landfill is not currently accepting this material. Permission was obtained from the State of Tennessee Department of Environment and Conservation to dispose of the Special Waste at Rhea County Landfill. Hence, WRD requested an Emergency Purchase Order with Aqua Treat Inc. to transport the sludge from primary separators to the Rhea County Landfill with Requisition 160905 (PO 546135) for an estimated amount of \$1865. A separate disposal fee estimated at \$7680 will be paid to Santek Waste Services, Inc. using an existing purchase order for landfill disposal (PO 542039).

This emergency purchase is a proactive measure to protect the health and safety of the environment and was justified by the Public Works Department, as in the City's best interest.

Council approval is recommended for the emergency purchase of Transport of Special Waste by Aqua Treat Inc. for WRD in estimated amount of \$1865.

Respectfully yours,

Emergency purchase of Transport of Special Waste is approved and should be entered in the minutes of the City Council as stipulated by Ordinance 5608, Section 3.

Bonnie Woodward
Director of Purchasing

Justin Holland
Administrator

Purchase Order STANDARD



City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

V E N D O R	Vendor Number: 751507 Vendor Alternate ID: 12966
	Aqua Treat Inc 115 Parmenas Ln Chattanooga, TN 37405

PO Date: 24-OCT-17 Buyer: Geoffrey Hipp FOB: DESTINATION Terms: Immediate	Purchase Order Number 546135 INVOICES: Direct invoices in DUPLICATE to the Invoice address shown below.
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S H I P T O	Moccasin Bend Waste Water Treatment Plant 455 Moccasin Bend Road Chattanooga TN 37405
--	---

I N V O I C E	Accounts Payable Division City of Chattanooga 101 East 11th Street, Suite 101 Chattanooga, TN 37402
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Requestor		Requisition Number		Bid Number	
Mary McCarthy		160905			
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
1	Transportation of Sludge (Special Waste) per 20 ton load	5.00	Each	\$ 350.0000	\$ 1,750.00
2	Demurrage	1.00	Each	\$ 115.0000	\$ 115.00

TOTAL: \$ 1,865.00

***** NOTICE *****

This Purchase Order ("Agreement") is a binding agreement between the City of Chattanooga and the Vendor. This Purchase Order shall be governed by the following documents: (1) Purchase Order; (2) City of Chattanooga Purchase Order Standard Terms and Conditions; (3) Vendor's response to the bid or quotation; and (4) terms and conditions set forth in the bid or quotation, each of which is hereby incorporated herein by reference and becomes a part of this Agreement. In the event any conflict of terms arises, the terms controlling the Agreement shall be in the order provided hereinabove. This Purchase Order is valid only when signed or electronically approved by the Finance Officer.

Electronic approval is on record in the purchasing information system which asserts that unencumbered appropriation is available to meet the expenditure covered by this Purchase Order; and further authorizes payment upon proper certification of receipt of goods and/or services.



City of Chattanooga
Mayor Andy Berke

October 20, 2017

Ms. Bonnie Woodward
Director of Purchasing
City of Chattanooga
100 East 11th Street
Chattanooga, TN 37402

**Re: Waste Resources Division's (WRD) Request for Emergency Purchase
to Aqua Treat Incorporated (Marion Environmental)
for Transportation of Sludge (Special Waste) to Rhea County Landfill**

Dear Ms. Woodward,

WRD is requesting your authorization to place an emergency purchase order with Aqua Treat Incorporated for the transportation of sludge (Special Waste) from the Primary Inlet Channels 1-8. We have attached their Quote detailing the transportation rate per load and demurrage charges. There are 20 tons per load, and we have an estimated 320 tons. (320 tons divided by 20 tons per load = 16 loads x \$350 per load = \$5,600 plus 8 hours of possible demurrage at \$115 per hour = \$920. \$5,600 plus \$920 = \$6,500.00)

The issue that caused the emergency is that the Santek-operated landfill in Bradley County where we have the approval to dispose of Special Waste will not accept the material because they are having equipment problems. They have not given us a time frame for when they will begin accepting the material at Bradley County. The weekend forecast has changed from no rain to the possibility of substantial rain due to a tropical depression which is forming in the Gulf. With the impending weather threat, it is imperative that we be able to dispose of the material as quickly as possible. We have been able to secure approval from TDEC to dispose of the material at another Santek-operated Landfill in Rhea County. Due to the transportation time involved, additional drivers and equipment are required to move the material in the next 2 days.

Aqua Treat Incorporated will transport the Special Waste using our Rhea County Special Waste Permit, permit attached. We have an open PO for Santek, #542039 with \$29,796.01 available from the similar situation we had in February, print out attached, for the landfill charges. We suggest using this PO instead of obtaining another PO as it is coded to the same accounting string.

WRD is requesting authorization of an Emergency Purchase Order to Aqua Treat Incorporated in the amount of \$7,000, to transport the sludge to Rhea County Landfill.

Sincerely,

Justin Holland
Administrator, Public Works

Enc.

STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
CHATTANOOGA ENVIRONMENTAL FIELD OFFICE
1301 Riverfront Parkway, SUITE 206
CHATTANOOGA, TENNESSEE 37402
PHONE (423) 634-5745 STATEWIDE 1-888-891-8332 FAX (423) 634-6389

October 3, 2017

**Special Waste Landfill Addition Request
Rhea County Landfill
SNL 72-0268**

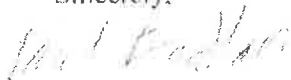
Karen Styers
Biosolids Coordinator
Water Resources Division
Moccasin Bend Wastewater Treatment Plant
455 Moccasin Bend Road
Chattanooga, TN 37405

RE: Special Waste Approval to add the Rhea County Landfill to MBWTP existing Special Waste Approval for Biosolids generated from the Moccasin Bend Wastewater Treatment Plant

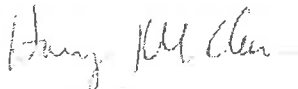
Dear Ms. Styers:

Per your request, I have added the Rhea County Landfill SNL 72-0268 to your Special Waste Recertification dated May 11, 2017.. Your next special waste recertification is scheduled to be submitted between January 1 and July 1, 2020 This recertification will also require a recertification fee. If there are questions please contact me at 423-634-5763.

Sincerely,



Paul Bradshaw
Environmental Scientist
Division of Solid Waste Management
Tennessee Department of Environment and Conservation
Chattanooga Field Office



Harry McCann
Field Office Manager
Division of Solid Waste Management
Tennessee Department of Environment and Conservation
Chattanooga Field Office



*Aqua Treat
Incorporated*

October 3, 2017

Mary McCarthy
Inventory Coordinator
City of Chattanooga
Moccasin Bend Wastewater Treatment Plant
455 Moccasin Bend Road
Chattanooga, TN 37405

RE: Request for Quote

Dear Mrs. McCarthy:

I am pleased to provide the following quote for the transportation of your non-hazardous waste to the Santek Environmental Services landfill in Rhea County.

Transportation	\$ 350.00/load
Demurrage (first hr. free)	\$115.00/hour

As always we appreciate your business and look forward to working with you.

Should you have any questions or require any additional information, please contact me at (423) 265-0132. Thanks.

Sincerely,

Hamilton Gallant
Assistant Manager

cc: Ellen Gallant

Corporate Offices
115 Parmenas Lane
Chattanooga, TN 37405
PHONE: 423-499-4919

Plant
617 Hudson Road
Chattanooga, TN 37405
PHONE: 423-265-0132

Proposed City Council Purchases 10-31-17

DEPARTMENT REQUISITION NO.	ITEM DESCRIPTION	BIDS REQUESTED	BIDS RETURNED	LOWEST/BEST BIDDER	COST	FUND NAME	NOTES
R161663 Public Works	Purchase of two Dewatering Containers and Associated Filter Screens-Waste Resources Division	-	-	Spectrum Water Technology 6135 Industrial Drive Geismar, LA 70734	\$63,628.00	Interceptor Sewer Operations	Purchase of two Dewatering Containers and associated Filter Screens-Waste Resources Division. TCA 6-56-304-2 allows for this single source purchase, exempted from usual advertising and bidding requirements.
R161543 Public Works	Purchase of a New Holland Tractor Public Works-City Wide Services	-	-	Chattanooga Tractor & Equipment 2034 Polymer Drive Chattanooga, TN 37421	\$60,124.00	General Fund	Purchase of a New Holland tractor as needed by Public Works-City Wide Services. This purchase is from NJPA Contract Number 021815. TCA 6-56-304-2 allows for this single source purchase, exempted from usual advertising and bidding requirements.
PO540974 & PO540975 Public Works	Blanket Contract Renewal for Fasteners (Nuts & Bolts)-City Wide-Fleet Management Division	12	3	Atlas Bolt & Supply Company 3217 Rossville Blvd. Chattanooga, TN 37408 and Hayward Bolt & Specialty Company, Inc. 2805 S. Orchard Knob Avenue Chattanooga, TN 37407	Total Estimated \$50,000 Annually	General Fund	Blanket Contract Renewal for Fasteners (Nuts & Bolts)-City Wide-Fleet Management Division. This renewal is the first contract renewal option for twelve months through November 2018. The original invitation to bid was sent to 12 vendors and we received 3 responses in the publically advertised bid proceedings.



City of Chattanooga

Mayor Andy Berke

October 23, 201

Mr. Justin Holland, Administrator
Public Works Department
Development Resource Center
1250 Market Street – Suite 2100
Chattanooga, TN 37402

Subject: 161663 – Dewatering Containers – Waste Resources Division - Public Works Department

Dear Mr. Holland:

Council approval is recommended for the purchase of two (2) Dewatering Containers and associated Filter Screens for the Waste Resources Division of the Public Works Department.

This sole source purchase from Spectrum Water Technology will be in the amount of \$63,628 including freight. Spectrum Water Technology holds U.S. Patent #4,929,353 for Portable Liquid-Solid Separator for Bulk Sludge and is the sole source supplier for this equipment. A written quotation from Spectrum Water Technology is attached.

TCA 6-56-304.2 allows for this single source purchase exempted from the usual advertising and bidding procedures.

I recommend awarding this contract to Spectrum Water Technology in the amount of \$63,628.

Respectfully,

Bonnie Woodward
Director of Purchasing

CHATTANOOGA PURCHASING DIVISION
SOLE SOURCE JUSTIFICATION FORM

Sole source purchases are goods and services available from only one supplier, and cannot be procured through the competitive bidding process because of the existence of a single source of supply, or other reason below. Justification for this basis must be provided, per purchase order.

Description of item/service, its function and cost estimate \$ 63,628.00

Dewatering 30 yard buckets for disposal of waste from Vac trucks

This is a sole source vendor because:

- Sole provider of proprietary rights, and/or is a licensed or patented good or service.
- Sole provider of items that are repair parts of or upgrades to existing equipment/systems.
- Sole provider of factory-authorized warranty service.
- Sole provider with specialized facilities or technical competence.
- Sole provider of unique equipment or products not offered by others.

What steps were taken to verify that these features are not available elsewhere?
(Attach any additional explanation) No other vendors were found who meet the specifications for this.

Spectrum holds the sole patent for this type of Phase Separator Dewatering Unit, Patent #4,929,353, attached.
 Other brands/manufacturers were examined (List specific company names, phone numbers and contact names, and explain why there were not suitable)

Other vendors were contacted (List specific company names, phone numbers and contact names, and explain why these were not suitable).


What specific feature makes this item unique and why is this feature needed for your project?

Please attach the suggested vendor's letter stating the reasons that it is considered a sole source for the product/service, if applicable.

Suggested Vendor Spectrum Water Technology (Scott Beckwith 225-647-3565)

Department Public Works Contact: Darrell Sutton (Ph. 643-7447)

My department's recommendation for sole source is based upon an objective review of the good/service being required and appears to be in the best interest of the City.


Department Head's Signature

10-19-17
Date

City of Chattanooga, TN
October 05, 2017
Page 2

Dewatering surface area approximately: 470 sq. ft. 30 cu. yd. turbo
includes floor, walls, front wall and door of container
Drains: (2) 3" male camlocs with caps, valve not included located at lower door Clean-out
space: 3" between filter basket and walls and 5" space between filter basket and floor

Purchase Price:

30 cu. yd. Standard Phase Separator Dewatering Unit	\$30,847.00 EA.
30 cu. yd. Filter Screen	\$217.00 EA.

Price good for 30 days from the date above

Delivery: 4-6 weeks	
Freight: Livingston, LA to Chattanooga, TN (for (2) units)	\$1,500.00
Terms: Net-30	(Truck load)

If you should have any questions regarding the above information please feel free to contact me at 225/647-3565.

Sincerely,

SCOTT BECKWITH

Spectrum Water Technology
(225) 647-3565

WEBSITE
www.spectrumwater.com

MAIN OFFICE
6135 Industrial Drive Geismar, LA 70734
Phone: (225) 647-3565 Fax: (225) 647-3566

LAKE CHARLES
501 BJ Cement Road, Lake Charles, LA 70615
Phone: (337) 493-7002 Fax: (337) 493-7011

- [54] **PORTABLE LIQUID-SOLID SEPARATOR FOR BULK SLUDGE**
- [76] Inventor: **Ronald B. Harris**, 28191 Range Rd., Livingston, La. 70754
- [21] Appl. No.: **306,700**
- [22] Filed: **Feb. 6, 1989**
- [51] Int. Cl.³ **B01D 35/30**
- [52] U.S. Cl. **210/237; 210/241; 210/473**
- [58] Field of Search **210/232, 237, 241, 247, 210/249, 293, 452, 473, 770, 497.01, 497.1**
- [56] **References Cited**

U.S. PATENT DOCUMENTS

2,461,814	2/1949	Fisher	210/241
2,649,965	8/1953	King et al.	210/241
3,631,987	1/1972	Cattano	210/452
4,046,689	9/1977	Argyll	210/241
4,200,535	4/1980	Kennedy	210/241
4,377,475	3/1983	Wiedemann	210/241
4,436,622	3/1984	Petretti	210/241
4,807,373	2/1989	Sloan et al.	210/237
4,854,058	8/1989	Sloan et al.	210/237

4,871,449	10/1989	Lott	210/241
4,871,454	10/1989	Lott	210/237

FOREIGN PATENT DOCUMENTS

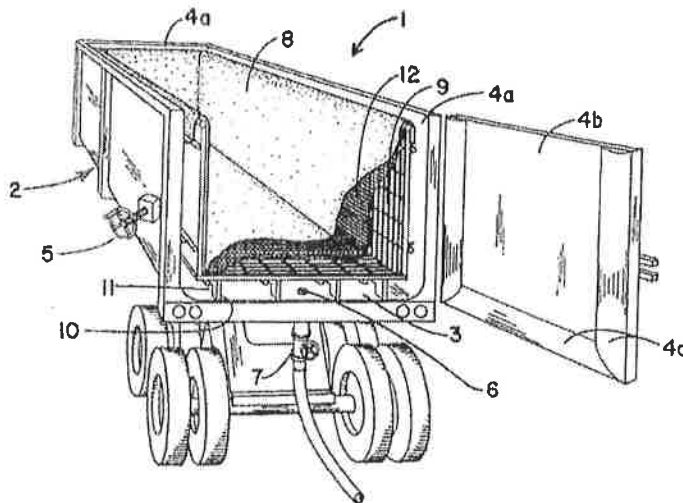
56-76217	6/1981	Japan	210/237
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Primary Examiner—Frank Spear
Assistant Examiner—Joseph Drodge
Attorney, Agent, or Firm—William D. Kiesel; Timothy J. Monahan; Robert C. Tucker

[57] **ABSTRACT**

A portable liquid-solid separator for handling sludge in bulk with an upright vessel having a bed with a drain and surrounding sides. A grate overlays the interior of the vessel, bed and sides. A filter overlays the grate, extending up the sides and overlapping the side grate. The separator is filled with a sludge which is then separated by gravity filtration and the wicking action of the filter. Liquid is drained out the bottom of the vessel and the solids are transported within the vessel. In a preferred embodiment, the vessel is a bath tub style trailer with dumping capabilities.

8 Claims, 2 Drawing Sheets



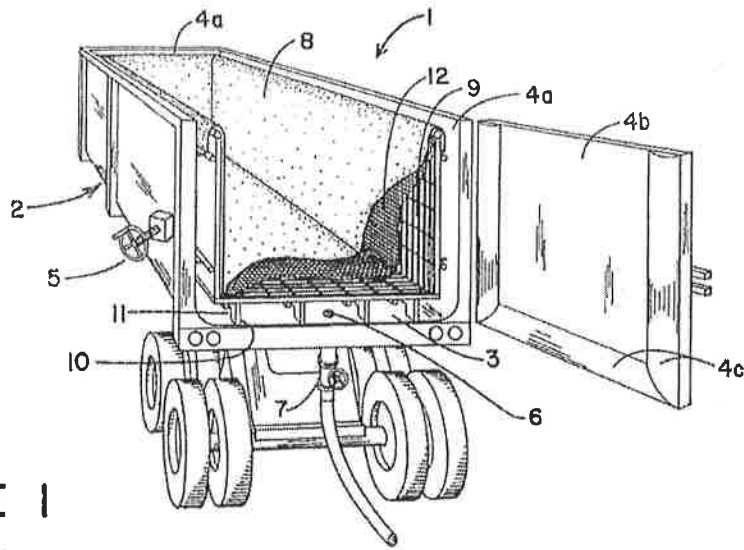


FIGURE 1

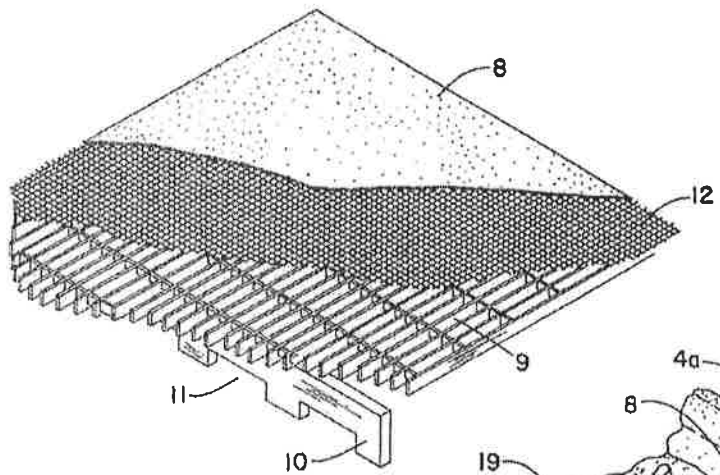


FIGURE 2

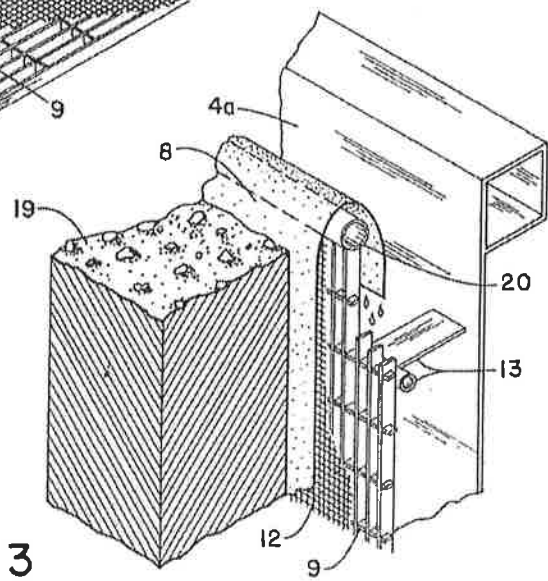


FIGURE 3

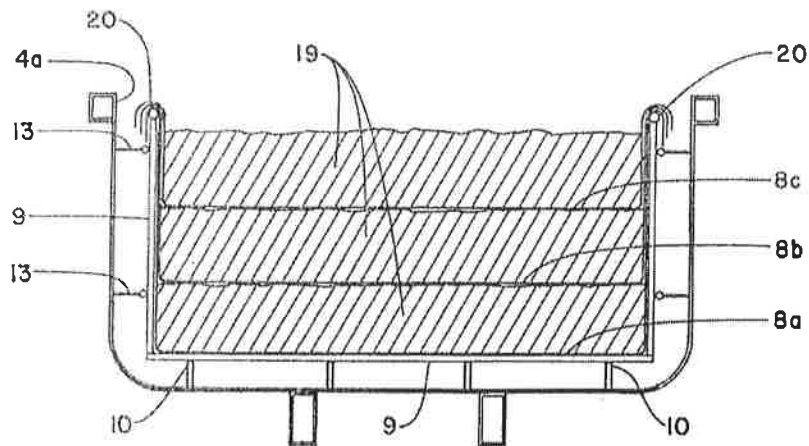


FIGURE 4

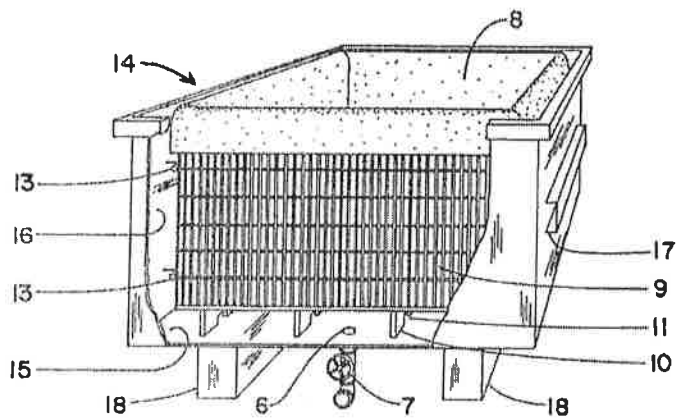


FIGURE 5

PORTABLE LIQUID-SOLID SEPARATOR FOR BULK SLUDGE

BACKGROUND OF THE INVENTION

1. Field of the Invention

This invention relates generally to liquid-solid separators and particularly to portable separators employing a combination of filtration and capillary action for treatment of sludge in bulk.

2. Prior Art

The present invention is useful whenever it is desirable to effect liquid-solid separation of a material which is to be transported. The invention may be applied to dewatering a sludge, removing hazardous liquid waste from contaminated solids or drying a moist product such as wood pulp.

Various approaches have been taken in the prior art to address the aforementioned problems. In U.S. Pat. Nos. 4,200,535 and 4,377,475, cyclone separators incorporated into a truck trailer are used to separate liquids from solids. The liquid from the cyclone separator is discharged and the solids are collected in the trailer.

A combination of overflow drains and burners is used to dry a sludge in U.S. Pat. No. 4,046,689. Essentially, the sludge is boiled, aerated and dried. This process is energy intensive and can exacerbate an existing odor problem. Any waste containing a flammable liquid would present a danger of an explosion.

Inclined drainboards are provided in U.S. Pat. No. 2,649,965. No provisions are made to collect the liquid waste after it drains away. Furthermore, while inclined drainboards may be practical with wet textiles, they would not prevent a particulate from being swept out with the liquid.

SUMMARY OF THE INVENTION

Therefore, one object of the present invention is to provide a vessel which will effect liquid-solid separation by filtration and by capillary action.

Another object of this invention is to provide a separator which can be transported without additional handling of the retained solids.

Another object of this invention is to provide a separator which allows for collection of the liquid phase.

Another object of this invention is to provide a separator which does not require energy input.

Another object of this invention is to provide a separator which can be used for hazardous waste.

Still another object of this invention is to provide a separator which can be used for sludge containing fines and particulate matter.

Other objects and advantages of this invention shall become apparent from the ensuing description.

Accordingly, a portable liquid-solid separator is provided comprising a vessel having a bed and surrounding sides, a grate overlaying the bed and the sides and a filter medium overlaying the grate. The filter medium overlaps the top of the grate and has an edge positioned between the grate and the side. Support bars are placed between the grate and bed to elevate the grate and facilitate washing out the vessels. The liquid is collected via a valved opening in the bed. In a preferred embodiment, the vessel is a trailer with a side being a gate for dumping the solids after separation has been achieved.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a perspective of a liquid-solid separator incorporating a trailer.

FIG. 2 is an exploded view of the filter, grate and ancillary supports.

FIG. 3 is a detailed perspective of the filter lapped over a side grate.

FIG. 4 is a cross section showing the use of multiple filters.

FIG. 5 is a perspective with cut away of an alternate embodiment of a liquid-solid separator incorporating a portable bin.

PREFERRED EMBODIMENTS OF THE INVENTION

The preferred embodiment of the invention herein combines filtration and capillary action to deliquify a sludge. The term sludge is intended to include a liquid-solid mixture regardless of the particle size of the solid, composition of the liquid or value of the mixture. The invention is particularly suited for sludges comprising hazardous waste wherein handling of the waste is preferably minimized. Ideally, the sludge is deposited into a separator vessel where the liquid is drained out the bottom. Separation can take place on site or at a secondary site. Once the sludge is suitably dry, the remaining solids can be transported within the vessel to a solids disposal site, whether it be a landfill or waste processing plant.

Referring to FIG. 1, in a preferred embodiment of separator 1, vessel 2 is a trailer. An example of a trailer suitable for use in the invention is a 25-35 yard, bath tub trailer with dumping capabilities manufactured by Clement Industries, Minden, La. Vessel 2 has bed 3 and sides 4a and 4b surrounding bed 3. The stationary sides are designated 4a. To facilitate dumping vessel 2, the rear side of vessel 2 is a gate 4b which swings on a vertical axis. Gate 4b has a compressible seal 4c which can be urged against the rear of trailer 2 and grate 9 by latch 5 to create a water tight seal. Drain 6 is provided in bed 3 for removing the liquid which has separated from the sludge. Drain 6 has valve 7 to block flow of the liquid. For convenience drain 6 has a coupling compatible with standard industrial hoses.

Filtration of the sludge and capillary "wicking" of the liquid is accomplished by filter 8 which overlays bed 3 and partially covers sides 4. The material and mesh size of filter 8 is chosen in response to the type of sludge being handled. Important design considerations are the corrosiveness, solvent strength, particle size and separation criteria for a sludge. Another important consideration for filter 8 is that it be suitable to employ capillary action to wick up the liquid from the sludge. Examples of suitable filter media are: paper, cotton, nylon and other organic polymers, metal mesh and fiberglass. Those with skill in the art may choose from a variety of fibrous filters on the market to meet the aforementioned design criteria. It is believed that filters containing cotton will be suitable to wick aqueous liquids while filters containing organic polymers, such as polypropylene, will be able to wick organic liquids. Wicking action is particularly helpful with sludges containing fines which do not drain well and wherein the liquid tends to pool on top of the sludge.

Filter 8 is supported out from the interior of vessel 2 to both allow the liquid filtrate to drain away from filter 8 and to allow filter 8 to be lapped over a side support

as shown in FIG. 3 thereby promoting wicking of the liquid. In a preferred embodiment, the foundation of the means for supporting filter 8 is grate 9. Referring to FIG. 2, grate 9 is a grate made of parallel metal bars with cross supports. Grates 9 should be capable of supporting loads of up to 60,000-80,000 pounds per trailer load. To facilitate cleaning of bed 3 and collection of the liquid filtrate, grates 9 are raised above bed 3 approximately 6" and supported by support bars 10 running the length of bed 3. Support bars 10 have transverse openings 11 to allow liquid to flow to drain 6. Depending on the weight of the sludge and the composition of filter 8, additional, intermediate support, between filter 8 and grate 9 may be required. For example, $\frac{1}{4}$ " mesh screen 12 may be provided as shown in FIG. 2. Alternately, a series of screens ranging from 1" to $\frac{1}{4}$ " openings could be used.

Referring to FIG. 3, grate 9 also extends from bed 3 up sides 4. Grate 9 is held in a vertical position by brackets 13 which also have the effect of providing a 4"-6" gap between grate 9 and the interior of vessel 2. Brackets 13 are located below the top of grate 9 and do not interfere with filter 8 which is lapped over the top of grate 9. Brackets 13 are intermittent to provide openings to allow liquid which is wicked up filter 8 and over the top of grate 9, to flow down sides 4 and into drain 6. The top of grate 9 has a $1\frac{1}{2}$ " diameter pipe 20 welded to it to avoid snagging filter 8.

Multiple filters may be employed as shown in FIG. 4. Filters 8a, 8b, 8c are placed between layers of sludge 19. Multiple filters are helpful when liquid-solid separation by capillary or wicking action is relatively efficient as compared to separation by gravity filtration. Each of filters 8a-8c are lapped over a top edge of side grate 9.

FIG. 5 shows an alternate embodiment of the invention employing a portable bin 14. Bin 14 has bed 15 and sides 16 corresponding to trailer separator 2. However, instead of a gate to facilitate dumping, bin 14 has handles 17 which can engage a dumping mechanism of a receptacle vehicle (not shown) such as those used for trash collection. Bin 14 also has skids 18 which maintain bed 15 raised off of the ground. Skid 18 may also incorporate rollers (not shown) for easier handling of bin 14.

The separation processes discussed above with regard to the trailer style separator 1, filtration and capillary action, apply as well to portable bin 14. For example, bin 14 has support bars 10, grates 9, screen 12 and filter 8. Liquid is collected in drain 6 in bed 15. In a preferred embodiment, filter 8 extends up all of sides 16 to draw liquid upward over the top of grate 9. The edge of filter 8 is positioned between grate 9 and side 16 to contain the liquid and direct it to drain 6.

Those with skill in the art will recognize that bin 14 need not be rectangular. For example, bins which are circular or hopper shaped may be used. The sides of the bin can be inclined rather than vertical.

In an alternate embodiment the concept of a portable dumpster is incorporated with the end gate feature of the trailer (not shown). For example, a portable dumpster without running gear, i.e. wheels, axles, etc., would have a side which swings open to facilitate dumping as shown in 4b, 4c and 5 of FIG. 1.

It is envisioned that in most applications, filter 8 will be disposable. Accordingly, when vessel 2 is either

inverted or tilted to remove dried sludge 19, filter 8 will be dumped out also. The support medium beneath filter 8, such as grate 9, screen 12 and support bars 10 are to be firmly secured to vessel 2. In those instances where filter 8 is to be reused, it may be fastened to the interior of vessel 2.

There are, of course, many alternate embodiments and modifications which are intended to be included within the scope of the following claims.

What I claim is:

1. A portable liquid-solid separator for sludge, comprising:

- (a) an upright trailer having a bed and surrounding sides, said bed having a drain;
- (b) a first grate overlaying said bed;
- (c) a first means to support said first grate in a position to allow said liquid to flow through said grate to said drain;
- (d) a second grate extending upright from said bed;
- (e) a second means to support said second grate in a position to create a gap between said second grate and one of said sides of said trailer; and
- (f) a filter inducing capillary attraction between said filter and said liquid, said filter overlaying said first grate and said second grate, and said filter overlapping a top edge of said second grate and extending into said gap.

2. A separator according to claim 1 wherein said second grate and said filter overlay more than one side of said trailer.

3. A separator according to claim 1 wherein a side of said trailer is a gate, said gate having means to seal said gate against both (a) said bed and (b) said sides of said trailer adjacent to said gate.

4. A separator according to claim 1 wherein said trailer further comprises skids attached to the bottom of said bed.

5. A separator according to claim 4 wherein said trailer further comprises handles attached to said sides.

6. A separator according to claim 1 wherein said first means comprises a plurality of support bars positioned between said first grate and said bed, said bars having openings positioned to allow said liquid to flow through said grate.

7. A separator according to claim 1 wherein said second means is positioned below said top edge of said second grate.

8. A portable liquid-solid separator for sludge, comprising:

- (a) an upright trailer having a bed and surrounding sides, said bed having a drain;
- (b) a first grate extending from said sides and overlaying said bed;
- (c) a first means to support said first grate in a position above said bed to allow said liquid to flow through said grate and to said drain;
- (d) a second grate extending upright from said bed;
- (e) a second means to support said second grate in a position to create a gap between said second grate and one of said sides of said trailer to allow said liquid to flow downward toward said bed; and
- (f) a filter overlaying said first grate and said second grate, said filter extending into said gap.

* * * * *



City of Chattanooga

Mayor Andy Berke

October 25, 2017

Mr. Justin Holland
Administrator
Public Works Department
1250 Market Street, Suite 2100
Chattanooga, TN 37402

Subject: Requisition No. 161543 – New Holland Tractor – Public Works/City Wide Services

Dear Mr. Holland:

Council approval is recommended to issue a contract for the purchase of a New Holland tractor as needed by Public Works /City Wide Services Department.

This purchase is from NJPA State Contract 021815 to CNH Industrial America LLC. A copy of CNH Industrial America LLC's authorized dealer, Chattanooga Tractor & Equipment's quote and a copy of Contract 021815 are attached. The amount of this purchase will be \$60,124.00.

TCA 6-56-304.2 allows for this single source purchase exempted from the usual advertising and bidding procedures.

Respectfully yours,

A handwritten signature in cursive script that reads "Bonnie Woodward".

**Bonnie Woodward
Purchasing Director**

BW/dp

Attachments

**Vendor Information:
Chattanooga Tractor & Equipment
2034 Polymer Drive
Chattanooga, TN 37421**



2034 Polymer Drive • Chattanooga, TN 37421
 (423) 892-5725 • Fax (423) 899-2262
 www.chattanoogatractor.com



QUOTE



SOLD TO: CITY OF CHATTANOOGA 101 EAST 11TH STREET SUITE 101 CHATTANOOGA TN 37402	SHIP TO: CITY OF CHATTANOOGA 101 EAST 11TH STREET SUITE 101 CHATTANOOGA TN 37402 W: 423-290-0241 H: 423-643-6930 CELL: 423-643-6147
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Acct No.	Payment	Date	Time	Invoice Number	SP	P.O. Number	Tax ID	Pg.#
CTCHAT		10/17/17	4:17PM	QU102237	NT			1

Starting Date	Ending Date	Make	Model	Serial Number	Stock Number
9/26/17					

Promised	Call When Ready	Deliver?	Usage	2nd Serial Number	Invoice Type	St.#
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No			QUOTATION	01

QUANTITY	B/O	DESCRIPTION OF WORK DONE/PART NUMBERS	PRICE	AMOUNT
		NEW HOLLAND TS6.130		
		105 PTO HORSEPOWER		
		8X8 POWER SHUTTLE TRANSMISSION		
		18.4 X 34 REAR TIRES		
		13.6 X 28 FRONT TIRES		
		4X4 FRONT AXLE		
		ENCLOSED CABIN W/ HVAC & RADIO		
		REVERSE ALARM		
		REAR WIPER / WASHER		
		3 REAR REMOTE VALVES FOR BATWING MOWER OPERATION		
		TO BE PURCHASED FROM NJPA CONTRACT		
		CHATTANOOGA TRACTOR & EQUIPMENT WILL SUPPLY AND INSTALL 4 CORNER LED STROBE LIGHTS AT NOT ADDITIONAL COST TO THE CITY.		
		NEW HOLLAND TS6.130		60124.00
		Thank you for your business		

20% Restocking charge within 21 days from special order date and part must be returnable to vendor
 50% DEPOSIT FOR SPECAIL ORDER ITEMS
 NO RETURN ON OPENED KIT ITEMS
 NO RETURN ON ELECTRICAL ITEMS
 NO RETURN ON SPECIAL MAKE UP ITEMS

SIGNATURE _____

INVOICE NO. QU102237



EQUIPMENT	0.00
LABOR	0.00
PARTS	0.00
FREIGHT	0.00
MILEAGE	0.00
OTHER	60124.00
SHOP SUPPLIES	0.00
TOTAL CHARGES	60124.00
SALES TAX	GV
TOTAL AMOUNT	60124.00

* Designates Tax Applied to This Item



NJPA AWARDED



CNH Industrial America LLC (Ag)

Contract#: 021815-CNH

Category: Construction & Agricultural Equipment

Description: CNH Ag

Maturity Date: 03/17/2019

Overview

Contract Documentation

Pricing

NJPA Contact Information

HOW TO PURCHASE ?

Our step-by-step guide

Vendor Contact Info

Patricia Lardie - CASE IH (Ag)

Direct Phone: 608-444-5349

patricia.lardie@caseih.com

www.cnhindustrial.com

Amy Swett - NEW HOLLAND (Ag & CE)

Direct Phone: 717-355-1686

amy.swett@newholland.com

www.newholland.com

*CNH Industrial N.V. (NYSE: CNHI /MI: CNHI) is a global leader in the capital goods sector with established industrial experience, a wide range of products and a worldwide presence. Each of the individual brands belonging to the Company is a major international force in its specific industrial sector: **Case IH, New Holland Agriculture** and **Steyr** for tractors and agricultural machinery; **Case and New Holland Construction** for earth moving equipment; **Iveco** for commercial vehicles; **Iveco Bus and Heuliez Bus** for buses and coaches; **Iveco Astra** for quarry and construction vehicles; **Magirus** for firefighting vehicles; **Iveco Defence Vehicles** for defence and civil protection; and **FPT Industrial** for engines and transmissions.*

More information can be found on the corporate website: www.cnhindustrial.com

CNH Industrial America, LLC is proud to offer NJPA members our full line of Case IH and New Holland Agriculture Tractors, Attachments, Implements and related equipment in addition to New Holland Construction equipment and Case Skid Steers and Track Loaders on NJPA Contract # 021815-CNH and 032515-CNH. You will find additional contract information by clicking on the specific Brand logo below.



Click to View the CNH Industrial Construction
Contract 032515-CNH



STATE OF
NEW YORK

Click to view the NJPA CNH Industrial America LLC Ag contract as adopted by the
State of NY OGS: NEW YORK OGS CONTRACT



NEW HOLLAND AG EQUIPMENT

New Holland LLC
700 STATE STRFET
RACINE, WI 53404 USA
PHONE: (262)-636-6011

To Whom It May Concern:

This letter is to confirm that Chattanooga Tractor is an authorized New Holland/Ford equipment dealer. Only Authorized New Holland dealers have the ability to supply genuine OEM parts as well as all other New Holland/ Ford Equipment. Chattanooga Tractor is the only authorized New Holland/Kolbelko parts and service dealer in the Chattanooga Metro area.

Chattanooga Tractor has established itself as a New Holland "Certified" dealership, which indicates it has achieved the highest level of customer support and satisfaction within New Holland's Dealer Standards guidelines. New Holland and Chattanooga Tractor look forward to the opportunity to support your organization with its equipment and product support needs in the future.

Sincerely,

Mark Woody
Parts and Service Sales Manager SE Region
CNH Parts and Service
3425 Genoa dr.
Murfreesboro, Ten 37128
615-268-4599
Mark.woody@cnh.com



City of Chattanooga

Mayor Andy Berke

October 25, 2017

Mr. Justin Holland
Administrator, Public Works Department
Fleet Management Division
1250 Market Street, Suite 2100
Chattanooga, TN 37402

Subject: Contract Renewal of Blanket PO Nos. 540974 & 540975 – Fasteners (Nuts & Bolts) – City Wide – Fleet Management Division – Public Works Department

Dear Mr. Holland:

Council approval is recommended to renew Blanket PO Nos. 540974 & 5409775 for Fasteners (Nuts & Bolts), City Wide, Fleet Management Division, Public Works Department. The City of Chattanooga is renewing the first (1st) contract renewal option for twelve (12) months through November 15, 2018, with one (1) renewal option remaining for an estimated annual amount of \$50,000. A copy of the signed letters from the vendors and a copy of the contracts are enclosed.

The original invitation to bid was sent to twelve (12) vendors as well as formally advertised. Bids were received from three (3) vendors. Bids are retained on file in the Purchasing Office for your review upon request.

I recommend renewing Blanket PO Nos. 540974 & 540975 for Fasteners (Nuts & Bolts) to Atlas Bolt & Supply Company, 3217 Rossville Blvd., Chattanooga, TN 37408 and Hayward Bolt & Specialty Company, Inc., 2805 S. Orchard Knob Avenue, Chattanooga, TN 37407, respectively.

Respectfully yours,

Bonnie Woodward
Director of Purchasing

BW/mlm

Attachments

Purchase Order BLANKET



City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

V E N D O R	Vendor Number: Vendor Alternate ID: 21893 Atlas Bolt Co Inc 615 E Main St Chattanooga, TN 37408
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PO Date: 14-NOV-16 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 540974 INVOICES: Direct invoices in DUPLICATE to the Invoice address shown below.
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S H I P T O	
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I N V O I C E	Accounts Payable Division City of Chattanooga 101 East 11th Street, Suite 101 Chattanooga, TN 37402
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Requestor		Requisition Number		Bid Number	
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
Requisition / Bid No.: 137424 / 304307 Ordering Dept.: Fleet Management Buyer: Mark McKeel Phone No.: 423-643-7236 * Items Being Purchased: Fasteners (Nuts, Bolts, Washers, etc.) * Please Note: Tools Are Not Included With This Contract * ATTACHMENTS: City of Chattanooga (COC) Terms and Conditions posted on Website http://www.chattanooga.gov/purchasing/standard-terms-and-conditions If you can't download call buyer for a copy. * This Shall Be A Twelve (12) Month Blanket Contract To Supply Automotive Industry Fasteners (Nuts, Bolts, Washers, etc.) for Fleet Management. * The Contract Term May Be Renewed For An Additional Two (2) Twelve (12) Month Term Under The Same Terms And Conditions By Mutual Agreement. The City Of Chattanooga And The Contractor May Bilaterally Extend The Contract By Providing Written Confirmation Of Agreement By Both Parties At Least 30 Days Prior To The Contract's Current Expiration Date Into Any Successive Term As Provided Herein. * **** Vendor Shall Hold Prices Firm for First (1st) Year of Contract **** * Price Escalation Clause: If as a result of a general change in prices or discounts, the Contractor has changed prices to all of its customers, the price under this contract may be adjusted accordingly. Contractor may be requested to show proof of alleged price changes prior to approval of any price adjustments.					

***** NOTICE *****

This Purchase Order ("Agreement") is a binding agreement between the City of Chattanooga and the Vendor. This Purchase Order shall be governed by the following documents: (1) Purchase Order; (2) City of Chattanooga Purchase Order Standard Terms and Conditions; (3) Vendor's response to the bid or quotation; and (4) terms and conditions set forth in the bid or quotation, each of which is hereby incorporated herein by reference and becomes a part of this Agreement. In the event any conflict of terms arises, the terms controlling the Agreement shall be in the order provided hereinabove. This Purchase Order is valid only when signed or electronically approved by the Finance Officer.

Electronic approval is on record in the purchasing information system which asserts that unencumbered appropriation is available to meet the expenditure covered by this Purchase Order; and further authorizes payment upon proper certification of receipt of goods and/or services.

Purchase Order BLANKET



City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

V E N D O R	Vendor Number: Vendor Alternate ID: 21893 Atlas Bolt Co Inc 615 E Main St Chattanooga, TN 37408	PO Date: 14-NOV-16 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	P U R C H A S E O R D E R
		Purchase Order Number 540874 INVOICES: Direct invoices in DUPLICATE to the Invoice address shown below.	
S H I P T O		I N V O I C E	

Requestor	Requisition Number	Bid Number
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Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
<p>QUANTITIES ARE ESTIMATES ONLY THE CITY OF CHATTANOOGA SHALL GUARANTEE NO MINIMUM OR MAXIMUM AMOUNT PURCHASED DURING THE LIFETIME OF THE CONTRACT.</p> <p>Purchase Order issued in accordance with Atlas Bolt & Supply Company bid received on October 26, 2016 is hereby made part of this contract.</p> <p>City Council approved on November 8, 2016</p> <p>Contract dates: November 16, 2016 to November 15 2017</p> <p>Vendor Contact: Stacy Stansell Phone No. 423-265-2341 Fax No. 423-265-2349 E-mail: stacy.stansell@atlasboltco.com</p> <p>The undersigned hereby agrees to perform the services in accordance with the terms and conditions as set forth in this Purchase Order, the City of Chattanooga Standard Terms & Conditions, and the bid or quotation.</p> <p>Representative: <u>Stacy Stansell</u> (Signature) agreed to and accepted by</p> <p>Title: <u>Sales Manager</u> CITY OF CHATTANOOGA, TENNESSEE</p> <p>Date: <u>11-30-16</u> Name/Title: <u>Mark McKeel, Buyer</u></p> <p>Department: <u>PURCHASING</u></p>					

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Purchase Order BLANKET



City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

V E N D O R	Vendor Number: Vendor Alternate ID: 21893 Atlas Bolt Co Inc 615 E Main St Chattanooga, TN 37408
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PO Date: 14-NOV-16 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 540974 INVOICES: Direct invoices in DUPLICATE to the Invoice address shown below.
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S H I P T O	
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I N V O I C E	Accounts Payable Division City of Chattanooga 101 East 11th Street, Suite 101 Chattanooga, TN 37402
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Requestor			Requisition Number		Bid Number
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
1	1/2" grade 5 lockwasher	0.00	Each	\$ 0.0150	\$ 0.00
2	1/2" grade 5 sae flatwasher	0.00	Each	\$ 0.0103	\$ 0.00
3	1/2-13 grade 5 hex nut	0.00	Each	\$ 0.0183	\$ 0.00
4	1/2-13 grade 8 hex nut	0.00	Each	\$ 0.0335	\$ 0.00
5	1/2-13 grade 8 nyloc hex nut	0.00	Each	\$ 0.0507	\$ 0.00
6	1/2-13 grade 8 steel lock hex nut	0.00	Each	\$ 0.0440	\$ 0.00
7	1/2-13 x 1 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.0670	\$ 0.00
8	1/2-13 x 1 1/2" grade 8 hex head bolt	0.00	Each	\$ 0.1020	\$ 0.00
9	1/2-13 x 1" grade 5 hex head bolt	0.00	Each	\$ 0.0530	\$ 0.00
10	1/2-13 x 2 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.1010	\$ 0.00

***** NOTICE *****

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Electronic approval is on record in the purchasing information system which asserts that unencumbered appropriation is available to meet the expenditure covered by this Purchase Order; and further authorizes payment upon proper certification of receipt of goods and/or services.

Purchase Order BLANKET



City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

V E N D O R	Vendor Number: Vendor Alternate ID: 21893
	Atlas Bolt Co Inc 615 E Main St Chattanooga, TN 37408

PO Date: 14-NOV-16 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 540974 INVOICES: Direct invoices in DUPLICATE to the Invoice address shown below.
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S H I P T O	
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I N V O I C E	Accounts Payable Division City of Chattanooga 101 East 11th Street, Suite 101 Chattanooga, TN 37402
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Requestor			Requisition Number		Bid Number
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
11	1/2-13 x 2 1/2" grade 8 hex head bolt	0.00	Each	\$ 0.1515	\$ 0.00
12	1/2-13 x 2" grade 5 hex head bolt	0.00	Each	\$ 0.0845	\$ 0.00
13	1/2-13 x 2" grade 8 hex head bolt	0.00	Each	\$ 0.1275	\$ 0.00
14	1/2-13 x 3 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.1325	\$ 0.00
15	1/2-13 x 3" grade 5 hex head bolt	0.00	Each	\$ 0.1190	\$ 0.00
16	1/2-13 x 3" grade 8 hex head bolt	0.00	Each	\$ 0.1785	\$ 0.00
17	1/2-13 x 4" grade 5 hex head bolt	0.00	Each	\$ 0.1515	\$ 0.00
18	1/2-13 x 4" grade 8 hex head bolt	0.00	Each	\$ 0.2300	\$ 0.00
19	1/2-13 x 6" grade 8 hex head bolt	0.00	Each	\$ 0.3570	\$ 0.00
20	1/2-20 grade 8 hex nut	0.00	Each	\$ 0.0425	\$ 0.00

***** NOTICE *****

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Purchase Order BLANKET



City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

V E N D O R	Vendor Number: Vendor Alternate ID: 21893
	Atlas Bolt Co Inc 615 E Main St Chattanooga, TN 37408

PO Date: 14-NOV-16 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 540974 INVOICES: Direct invoices in DUPLICATE to the Invoice address shown below.
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S H I P T O	
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I N V O I C E	Accounts Payable Division City of Chattanooga 101 East 11th Street, Suite 101 Chattanooga, TN 37402
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Requestor			Requisition Number		Bid Number
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
21	1/2-20 grade 8 nyloc hex nut	0.00	Each	\$ 0.0550	\$ 0.00
22	1/4 "grade 5 sae flat washer	0.00	Each	\$ 0.0065	\$ 0.00
23	1/4" grade 5 lockwasher sae	0.00	Each	\$ 0.0030	\$ 0.00
24	1/4-20 grade 5 hex nut	0.00	Each	\$ 0.0035	\$ 0.00
25	1/4-20 grade 8 hex nut	0.00	Each	\$ 0.0075	\$ 0.00
26	1/4-20 grade 8 nyloc hex nut	0.00	Each	\$ 0.0112	\$ 0.00
27	1/4-20x 2" grade 5 hex head bolt	0.00	Each	\$ 0.0210	\$ 0.00
28	1/4-20x 3" grade 5 hex head bolt	0.00	Each	\$ 0.0357	\$ 0.00
29	1/4-20x1 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.0160	\$ 0.00
30	1/4-20x1 1/2" grade 8 hex head bolt	0.00	Each	\$ 0.0255	\$ 0.00

***** NOTICE *****

This Purchase Order ("Agreement") is a binding agreement between the City of Chattanooga and the Vendor. This Purchase Order shall be governed by the following documents: (1) Purchase Order; (2) City of Chattanooga Purchase Order Standard Terms and Conditions; (3) Vendor's response to the bid or quotation; and (4) terms and conditions set forth in the bid or quotation, each of which is hereby incorporated herein by reference and becomes a part of this Agreement. In the event any conflict of terms arises, the terms controlling the Agreement shall be in the order provided hereinabove. This Purchase Order is valid only when signed or electronically approved by the Finance Officer.

Electronic approval is on record in the purchasing information system which asserts that unencumbered appropriation is available to meet the expenditure covered by this Purchase Order; and further authorizes payment upon proper certification of receipt of goods and/or services.

Purchase Order BLANKET



City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

V E N D O R	Vendor Number: Vendor Alternate ID: 21893
	Atlas Bolt Co Inc 615 E Main St Chattanooga, TN 37408

PO Date: 14-NOV-16 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 540974 INVOICES: Direct invoices in DUPLICATE to the Invoice address shown below.
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S H I P T O	
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I N V O I C E	Accounts Payable Division City of Chattanooga 101 East 11th Street, Suite 101 Chattanooga, TN 37402
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Requestor			Requisition Number		Bid Number
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
31	1/4-20x1"grade 5 hex head boll	0.00	Each	\$ 0.0130	\$ 0.00
32	1/4-20x1"grade 8 hex head bolt	0.00	Each	\$ 0.0190	\$ 0.00
33	1/4-20x2 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.0260	\$ 0.00
34	1/4-20x3 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.0371	\$ 0.00
35	1/4-20x3/4"grade 8 hex head bolt	0.00	Each	\$ 0.0165	\$ 0.00
36	1/4-20x4" grade 5 hex head bolt	0.00	Each	\$ 0.0470	\$ 0.00
37	1/4-28 grade 8 hex nut	0.00	Each	\$ 0.0085	\$ 0.00
38	1/4-28 grade 8 nyloc hex nut	0.00	Each	\$ 0.0130	\$ 0.00
39	3/4-10 x 2 1/2" grade 8 hex head bolt	0.00	Each	\$ 0.3985	\$ 0.00
40	3/8" grade 5 lockwasher	0.00	Each	\$ 0.0074	\$ 0.00

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Purchase Order BLANKET



City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

V E N D O R	Vendor Number: Vendor Alternate ID: 21893
	Atlas Bolt Co Inc 615 E Main St Chattanooga, TN 37408

PO Date: 14-NOV-16 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 540974 INVOICES: Direct invoices in DUPLICATE to the Invoice address shown below.
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I N V O I C E	Accounts Payable Division City of Chattanooga 101 East 11th Street, Suite 101 Chattanooga, TN 37402
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Requestor			Requisition Number		Bid Number
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
41	3/8" grade 5 sae flat washer	0.00	Each	\$ 0.0043	\$ 0.00
42	3/8-16 grade 5 hex nut	0.00	Each	\$ 0.0076	\$ 0.00
43	3/8-16 grade 8 hex nut	0.00	Each	\$ 0.0150	\$ 0.00
44	3/8-16 grade nyloc 8 hex nut	0.00	Each	\$ 0.0212	\$ 0.00
45	3/8-16 x 1 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.0331	\$ 0.00
46	3/8-16 x 1 1/2" grade 8 hex head bolt	0.00	Each	\$ 0.0685	\$ 0.00
47	3/8-16 x 1 3/4" grade 8 hex head bolt	0.00	Each	\$ 0.0625	\$ 0.00
48	3/8-16 x 1" grade 5 hex head bolt	0.00	Each	\$ 0.0240	\$ 0.00
49	3/8-16 x 1" grade 8 hex head bolt	0.00	Each	\$ 0.0410	\$ 0.00
50	3/8-16 x 2 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.0525	\$ 0.00

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City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

V E N D O R	Vendor Number: Vendor Alternate ID: 21893
	Atlas Bolt Co Inc 615 E Main St Chattanooga, TN 37408

PO Date: 14-NOV-16 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 540974 INVOICES: Direct invoices in DUPLICATE to the Invoice address shown below.
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S H I P T O	
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I N V O I C E	Accounts Payable Division City of Chattanooga 101 East 11th Street, Suite 101 Chattanooga, TN 37402
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Requestor			Requisition Number		Bid Number
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
51	3/8-16 x 2 1/2" grade 8 hex head bolt	0.00	Each	\$ 0.0865	\$ 0.00
52	3/8-16 x 2" grade 5 hex head bolt	0.00	Each	\$ 0.0440	\$ 0.00
53	3/8-16 x 2" grade 8 hex head bolt	0.00	Each	\$ 0.0700	\$ 0.00
54	3/8-16 x 3 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.0715	\$ 0.00
55	3/8-16 x 3" grade 5 hex head bolt	0.00	Each	\$ 0.0620	\$ 0.00
56	3/8-16 x 3" grade 8 hex head bolt	0.00	Each	\$ 0.1010	\$ 0.00
57	3/8-16 x 3/4" grade 8 hex head bolt	0.00	Each	\$ 0.0385	\$ 0.00
58	3/8-16 x 4" grade 5 hex head bolt	0.00	Each	\$ 0.0835	\$ 0.00
59	3/8-16 x 4" grade 8 hex head bolt	0.00	Each	\$ 0.1345	\$ 0.00
60	3/8-16 x 5/8" grade 8 hex head bolt	0.00	Each	\$ 0.0110	\$ 0.00

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City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

V E N D O R	Vendor Number: Vendor Alternate ID: 21893
	Atlas Bolt Co Inc 615 E Main St Chattanooga, TN 37408

PO Date: 14-NOV-16 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 540974 INVOICES: Direct invoices in DUPLICATE to the Invoice address shown below.
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I N V O I C E	Accounts Payable Division City of Chattanooga 101 East 11th Street, Suite 101 Chattanooga, TN 37402
--	--

Requestor			Requisition Number		Bid Number
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
61	3/8-16 x 6" grade 8 hex head bolt	0.00	Each	\$ 0.2115	\$ 0.00
62	3/8-24 grade 8 hex nut	0.00	Each	\$ 0.0175	\$ 0.00
63	3/8-24 grade nyloc 8 hex nut	0.00	Each	\$ 0.0260	\$ 0.00
64	5/16" grade 5 lockwasher	0.00	Each	\$ 0.0051	\$ 0.00
65	5/16" grade 5 sae flat washer	0.00	Each	\$ 0.0034	\$ 0.00
66	5/16-18 grade 5 hex nut	0.00	Each	\$ 0.0059	\$ 0.00
67	5/16-18 grade 8 hex nut	0.00	Each	\$ 0.0108	\$ 0.00
68	5/16-18 grade 8 nyloc hex nut	0.00	Each	\$ 0.0150	\$ 0.00
69	5/16-18 x 1 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.0235	\$ 0.00
70	5/16-18 x 1" grade 5 hex head bolt	0.00	Each	\$ 0.0172	\$ 0.00

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City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

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	Atlas Bolt Co Inc 615 E Main St Chattanooga, TN 37408

PO Date: 14-NOV-16 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 540974 INVOICES: Direct invoices in DUPLICATE to the Invoice address shown below.
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I N V O I C E	Accounts Payable Division City of Chattanooga 101 East 11th Street, Suite 101 Chattanooga, TN 37402
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Requestor			Requisition Number		Bid Number
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
71	5/16-18 x 2 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.0375	\$ 0.00
72	5/16-18 x 2 1/2" grade 8 hex head bolt	0.00	Each	\$ 0.0565	\$ 0.00
73	5/16-18 x 2" grade 5 hex head bolt	0.00	Each	\$ 0.0325	\$ 0.00
74	5/16-18 x 2" grade 8 hex head bolt	0.00	Each	\$ 0.0505	\$ 0.00
75	5/16-18 x 3 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.0710	\$ 0.00
76	5/16-18 x 3" grade 5 hex head bolt	0.00	Each	\$ 0.0465	\$ 0.00
77	5/16-18 x 3" grade 8 hex head bolt	0.00	Each	\$ 0.0725	\$ 0.00
78	5/16-18 x 4" grade 5 hex head bolt	0.00	Each	\$ 0.0635	\$ 0.00
79	5/16-24 grade 8 hex nut	0.00	Each	\$ 0.0125	\$ 0.00
80	5/16-24 grade 8 nyloc hex nut	0.00	Each	\$ 0.0171	\$ 0.00

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Chattanooga, TN 37402

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--	--

Requestor			Requisition Number		Bid Number
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
81	5/8-11 grade 8 hex nut	0.00	Each	\$ 0.0640	\$ 0.00
82	5/8-11 grade 8 nyloc hex nut	0.00	Each	\$ 0.1050	\$ 0.00
83	5/8-11 x 1" grade 8 hex head bolt	0.00	Each	\$ 0.1740	\$ 0.00
84	5/8-11 x 2" grade 8 hex head bolt	0.00	Each	\$ 0.2120	\$ 0.00
85	5/8-11 x 3" grade 8 hex head bolt	0.00	Each	\$ 0.2900	\$ 0.00
86	5/8-11 x 5" grade 8 hex head bolt	0.00	Each	\$ 0.4550	\$ 0.00
87	5/8-18 grade 8 hex nut	0.00	Each	\$ 0.0835	\$ 0.00
88	7/16" grade 5 lockwasher	0.00	Each	\$ 0.0140	\$ 0.00
89	7/16" grade 5 sae flat washer	0.00	Each	\$ 0.0100	\$ 0.00
90	7/16-14 grade 5 hex nut	0.00	Each	\$ 0.0195	\$ 0.00

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Chattanooga, TN 37402

V E N D O R	Vendor Number: Vendor Alternate ID: 21893
	Atlas Bolt Co Inc 615 E Main St Chattanooga, TN 37408

PO Date: 14-NOV-16 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 540974 INVOICES: Direct invoices in DUPLICATE to the Invoice address shown below.
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I N V O I C E	Accounts Payable Division City of Chattanooga 101 East 11th Street, Suite 101 Chattanooga, TN 37402
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Requestor			Requisition Number		Bid Number
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
91	7/16-14 x 1 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.0650	\$ 0.00
92	7/16-14 x 1" grade 5 hex head bolt	0.00	Each	\$ 0.0425	\$ 0.00
93	7/16-14 x 2 1/2" grade 5 head bolt	0.00	Each	\$ 0.0980	\$ 0.00
94	7/16-14 x 2" grade 5 hex head bolt	0.00	Each	\$ 0.0665	\$ 0.00
95	7/16-14 x 3 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.1530	\$ 0.00
96	7/16-14 x 3" grade 5 hex head bolt	0.00	Each	\$ 0.0960	\$ 0.00
97	7/16-14 x 4" grade 5 hex head bolt	0.00	Each	\$ 0.1550	\$ 0.00
98	9/16-12 x 2" grade 8 hex head bolt	0.00	Each	\$ 0.3755	\$ 0.00
99	9/16-12 x 4 1/2" grade 8 hex head bolt	0.00	Each	\$ 0.4500	\$ 0.00
100	9/16-12 x 4" grade 8 hex head bolt	0.00	Each	\$ 0.3825	\$ 0.00

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City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

V E N D O R	Vendor Number: Vendor Alternate ID: 21893
	Atlas Bolt Co Inc 615 E Main St Chattanooga, TN 37408

PO Date: 14-NOV-16 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 540974 INVOICES: Direct invoices in DUPLICATE to the Invoice address shown below.
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S H I P T O	
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I N V O I C E	Accounts Payable Division City of Chattanooga 101 East 11th Street, Suite 101 Chattanooga, TN 37402
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Requestor			Requisition Number		Bid Number
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
101	Fasteners (Nuts, Bolts, Washers, etc.) Not Listed Above; Cost + 10 % Markup	0.00	Each	\$ 1.0000	\$ 0.00
					TOTAL: \$.00

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City of Chattanooga
Mayor Andy Berke

October 5, 2017

Atlas Bolt & Supply Company
Attn: Stacy Stansell
3217 Rossville Blvd
Chattanooga, TN 37408

Subject: 540974 – Fasteners (Nuts, Bolts, Washers)

Dear Ms. Stansell:

The City of Chattanooga would like to extend the above referenced contract for an additional twelve (12) months at the same contracted price(s).

The new expiration date will be November 15, 2018.

Please render the appropriate signature below and return via fax to 423-643-7244 or by email to mmckeel@chattanooga.gov if you agree to renewal.

As always, we appreciate the good service you have rendered in the past, and we look forward to working with you in the future.

Signed: _____

Date: 10-11-17

Sincerely,

Mark McKeel, Buyer
City of Chattanooga
Phone: (423) 643-7236 Fax: (423) 643-7244

Purchase Order BLANKET



City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

V E N D O R	Vendor Number: Vendor Alternate ID: 283078 Hayward Bolt & Specialty Co 2805 S Orchard Knob Ave Chattanooga, TN 37407
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PO Date: 14-NOV-16 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 540975 INVOICES: Direct invoices in DUPLICATE to the Invoice address shown below.
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S H I P T O	
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I N V O I C E	Accounts Payable Division City of Chattanooga 101 East 11th Street, Suite 101 Chattanooga, TN 37402
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Requestor	Requisition Number	Bid Number										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Line Nbr</th> <th style="width: 40%;">Item ID - Item Description</th> <th style="width: 10%;">Quantity</th> <th style="width: 10%;">Unit</th> <th style="width: 10%;">Unit Price</th> <th style="width: 10%;">Total</th> </tr> </thead> <tr> <td colspan="6"> Requisition / Bid No.: 137424 / 304307 Ordering Dept.: Fleet Management Buyer: Mark McKeel Phone No.: 423-643-7236 Items Being Purchased: Fasteners (Nuts, Bolts, Washers, etc.) Please Note: Tools Are Not Included With This Contract ATTACHMENTS: City of Chattanooga (COC) Terms and Conditions posted on Website http://www.chattanooga.gov/purchasing/standard-terms-and-conditions If you can't download call buyer for a copy. This Shall Be A Twelve (12) Month Blanket Contract To Supply Automotive Industry Fasteners (Nuts, Bolts, Washers, etc.) for Fleet Management. The Contract Term May Be Renewed For An Additional Two (2) Twelve (12) Month Term Under The Same Terms And Conditions By Mutual Agreement, The City Of Chattanooga And The Contractor May Bilaterally Extend The Contract By Providing Written Confirmation Of Agreement By Both Parties At Least 30 Days Prior To The Contract's Current Expiration Date Into Any Successive Term As Provided Herein. **** Vendor Shall Hold Prices Firm for First (1st) Year of Contract **** Price Escalation Clause: If as a result of a general change in prices or discounts, the Contractor has changed prices to all of its customers, the price under this contract may be adjusted accordingly. Contractor may be requested to show proof of alleged price changes prior to approval of any price adjustments. </td> </tr> </table>	Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total	Requisition / Bid No.: 137424 / 304307 Ordering Dept.: Fleet Management Buyer: Mark McKeel Phone No.: 423-643-7236 Items Being Purchased: Fasteners (Nuts, Bolts, Washers, etc.) Please Note: Tools Are Not Included With This Contract ATTACHMENTS: City of Chattanooga (COC) Terms and Conditions posted on Website http://www.chattanooga.gov/purchasing/standard-terms-and-conditions If you can't download call buyer for a copy. This Shall Be A Twelve (12) Month Blanket Contract To Supply Automotive Industry Fasteners (Nuts, Bolts, Washers, etc.) for Fleet Management. The Contract Term May Be Renewed For An Additional Two (2) Twelve (12) Month Term Under The Same Terms And Conditions By Mutual Agreement, The City Of Chattanooga And The Contractor May Bilaterally Extend The Contract By Providing Written Confirmation Of Agreement By Both Parties At Least 30 Days Prior To The Contract's Current Expiration Date Into Any Successive Term As Provided Herein. **** Vendor Shall Hold Prices Firm for First (1st) Year of Contract **** Price Escalation Clause: If as a result of a general change in prices or discounts, the Contractor has changed prices to all of its customers, the price under this contract may be adjusted accordingly. Contractor may be requested to show proof of alleged price changes prior to approval of any price adjustments.					
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total							
Requisition / Bid No.: 137424 / 304307 Ordering Dept.: Fleet Management Buyer: Mark McKeel Phone No.: 423-643-7236 Items Being Purchased: Fasteners (Nuts, Bolts, Washers, etc.) Please Note: Tools Are Not Included With This Contract ATTACHMENTS: City of Chattanooga (COC) Terms and Conditions posted on Website http://www.chattanooga.gov/purchasing/standard-terms-and-conditions If you can't download call buyer for a copy. This Shall Be A Twelve (12) Month Blanket Contract To Supply Automotive Industry Fasteners (Nuts, Bolts, Washers, etc.) for Fleet Management. The Contract Term May Be Renewed For An Additional Two (2) Twelve (12) Month Term Under The Same Terms And Conditions By Mutual Agreement, The City Of Chattanooga And The Contractor May Bilaterally Extend The Contract By Providing Written Confirmation Of Agreement By Both Parties At Least 30 Days Prior To The Contract's Current Expiration Date Into Any Successive Term As Provided Herein. **** Vendor Shall Hold Prices Firm for First (1st) Year of Contract **** Price Escalation Clause: If as a result of a general change in prices or discounts, the Contractor has changed prices to all of its customers, the price under this contract may be adjusted accordingly. Contractor may be requested to show proof of alleged price changes prior to approval of any price adjustments.												

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Purchase Order BLANKET



City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

V E N D O R	Vendor Number: Vendor Alternate ID: 283078
	Hayward Bolt & Specialty Co 2805 S Orchard Knob Ave Chattanooga, TN 37407

PO Date: 14-NOV-16 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate
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Purchase Order Number 540975
INVOICES: Direct invoices in DUPLICATE to the Invoice address shown below.

S H I P T O	

I N V O I C E	Accounts Payable Division City of Chattanooga 101 East 11th Street, Suite 101 Chattanooga, TN 37402

Requestor	Requisition Number	Bid Number												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Line Nbr</th> <th style="width: 40%;">Item ID - Item Description</th> <th style="width: 10%;">Quantity</th> <th style="width: 10%;">Unit</th> <th style="width: 10%;">Unit Price</th> <th style="width: 10%;">Total</th> </tr> </thead> <tr> <td colspan="6" style="padding: 5px;"> QUANTITIES ARE ESTIMATES ONLY THE CITY OF CHATTANOOGA SHALL GUARANTEE NO MINIMUM OR MAXIMUM AMOUNT PURCHASED DURING THE LIFETIME OF THE CONTRACT Purchase Order issued in accordance with Hayward Bolt & Specialty Company bid received on October 20, 2016 is hereby made part of this contract City Council approved on November 8, 2016 Contract dates: November 15, 2016 to November 15, 2017 Vendor Contact: June Card Phone No.: 423-622-2193 Fax No : 423-622-2175 E-mail: junec@bollandspecialty.com </td> </tr> </table>	Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total	QUANTITIES ARE ESTIMATES ONLY THE CITY OF CHATTANOOGA SHALL GUARANTEE NO MINIMUM OR MAXIMUM AMOUNT PURCHASED DURING THE LIFETIME OF THE CONTRACT Purchase Order issued in accordance with Hayward Bolt & Specialty Company bid received on October 20, 2016 is hereby made part of this contract City Council approved on November 8, 2016 Contract dates: November 15, 2016 to November 15, 2017 Vendor Contact: June Card Phone No.: 423-622-2193 Fax No : 423-622-2175 E-mail: junec@bollandspecialty.com							
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The undersigned hereby agrees to perform the services in accordance with the terms and conditions as set forth in this Purchase Order, the City of Chattanooga Standard Terms & Conditions, and the bid or quotation. <table style="width: 100%;"> <tr> <td style="width: 35%;"> Representative: <u>June Card</u> Title: <u>Purchasing/Sales</u> Date: <u>11/14/16</u> </td> <td style="width: 65%;"> Agreed to and accepted by: CITY OF CHATTANOOGA, TENNESSEE Name/Title: <u>Mark McKeel, Buyer</u> Department: <u>PURCHASING</u> </td> </tr> </table>			Representative: <u>June Card</u> Title: <u>Purchasing/Sales</u> Date: <u>11/14/16</u>	Agreed to and accepted by: CITY OF CHATTANOOGA, TENNESSEE Name/Title: <u>Mark McKeel, Buyer</u> Department: <u>PURCHASING</u>										
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Electronic approval is on record in the purchasing information system which asserts that unencumbered appropriation is available to meet the expenditure covered by this Purchase Order; and further authorizes payment upon proper certification of receipt of goods and/or services.

Purchase Order BLANKET



City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

V E N D O R	Vendor Number: Vendor Alternate ID: 283078 Hayward Bolt & Specialty Co 2805 S Orchard Knob Ave Chattanooga, TN 37407
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PO Date: 14-NOV-16 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 540975 INVOICES: Direct invoices in DUPLICATE to the Invoice address shown below.
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S H I P T O	
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I N V O I C E	Accounts Payable Division City of Chattanooga 101 East 11th Street, Suite 101 Chattanooga, TN 37402
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Requestor		Requisition Number			Bid Number
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
1	1/2" grade 5 lockwasher	0.00	Each	\$ 0.0217	\$ 0.00
2	1/2" grade 5 sae flatwasher	0.00	Each	\$ 0.0176	\$ 0.00
3	1/2-13 grade 5 hex nut	0.00	Each	\$ 0.0360	\$ 0.00
4	1/2-13 grade 8 hex nut	0.00	Each	\$ 0.0513	\$ 0.00
5	1/2-13 grade 8 nyloc hex nut	0.00	Each	\$ 0.0743	\$ 0.00
6	1/2-13 grade 8 steel lock hex nut	0.00	Each	\$ 0.0644	\$ 0.00
7	1/2-13 x 1 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.1014	\$ 0.00
8	1/2-13 x 1 1/2" grade 8 hex head bolt	0.00	Each	\$ 0.1491	\$ 0.00
9	1/2-13 x 1" grade 5 hex head bolt	0.00	Each	\$ 0.0810	\$ 0.00
10	1/2-13 x 2 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.1566	\$ 0.00

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Requestor			Requisition Number		Bid Number
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
11	1/2-13 x 2 1/2" grade 8 hex head bolt	0.00	Each	\$ 0.2222	\$ 0.00
12	1/2-13 x 2" grade 5 hex head bolt	0.00	Each	\$ 0.1235	\$ 0.00
13	1/2-13 x 2" grade 8 hex head bolt	0.00	Each	\$ 0.1837	\$ 0.00
14	1/2-13 x 3 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.2132	\$ 0.00
15	1/2-13 x 3" grade 5 hex head bolt	0.00	Each	\$ 0.1881	\$ 0.00
16	1/2-13 x 3" grade 8 hex head bolt	0.00	Each	\$ 0.2618	\$ 0.00
17	1/2-13 x 4" grade 5 hex head bolt	0.00	Each	\$ 0.2217	\$ 0.00
18	1/2-13 x 4" grade 8 hex head bolt	0.00	Each	\$ 0.3368	\$ 0.00
19	1/2-13 x 6" grade 8 hex head bolt	0.00	Each	\$ 0.5236	\$ 0.00
20	1/2-20 grade 8 hex nut	0.00	Each	\$ 0.0623	\$ 0.00

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Requestor		Requisition Number			Bid Number
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
21	1/2-20 grade 8 nyloc hex nut	0.00	Each	\$ 0.1653	\$ 0.00
22	1/4 "grade 5 sae flat washer	0.00	Each	\$ 0.0050	\$ 0.00
23	1/4" grade 5 lockwasher sae	0.00	Each	\$ 0.0044	\$ 0.00
24	1/4-20 grade 5 hex nut	0.00	Each	\$ 0.0081	\$ 0.00
25	1/4-20 grade 8 hex nut	0.00	Each	\$ 0.0514	\$ 0.00
26	1/4-20 grade 8 nyloc hex nut	0.00	Each	\$ 0.0164	\$ 0.00
27	1/4-20x 2" grade 5 hex head bolt	0.00	Each	\$ 0.0327	\$ 0.00
28	1/4-20x 3" grade 5 hex head bolt	0.00	Each	\$ 0.0469	\$ 0.00
29	1/4-20x1 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.0243	\$ 0.00
30	1/4-20x1 1/2" grade 8 hex head bolt	0.00	Each	\$ 0.0410	\$ 0.00

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Requestor			Requisition Number		Bid Number
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
31	1/4-20x1"grade 5 hex head bolt	0.00	Each	\$ 0.0190	\$ 0.00
32	1/4-20x1"grade 8 hex head bolt	0.00	Each	\$ 0.0303	\$ 0.00
33	1/4-20x2 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.0416	\$ 0.00
34	1/4-20x3 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.1035	\$ 0.00
35	1/4-20x3/4"grade 8 hex head bolt	0.00	Each	\$ 0.0446	\$ 0.00
36	1/4-20x4" grade 5 hex head bolt	0.00	Each	\$ 0.1149	\$ 0.00
37	1/4-28 grade 8 hex nut	0.00	Each	\$ 0.0306	\$ 0.00
38	1/4-28 grade 8 nyloc hex nut	0.00	Each	\$ 0.0368	\$ 0.00
39	3/4-10 x 2 1/2" grade 8 hex head bolt	0.00	Each	\$ 0.5775	\$ 0.00
40	3/8" grade 5 lockwasher	0.00	Each	\$ 0.0654	\$ 0.00

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Requestor			Requisition Number		Bid Number
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
41	3/8" grade 5 sae flat washer	0.00	Each	\$ 0.0070	\$ 0.00
42	3/8-16 grade 5 hex nut	0.00	Each	\$ 0.0153	\$ 0.00
43	3/8-16 grade 8 hex nut	0.00	Each	\$ 0.0218	\$ 0.00
44	3/8-16 grade nyloc 8 hex nut	0.00	Each	\$ 0.0327	\$ 0.00
45	3/8-16 x 1 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.0545	\$ 0.00
46	3/8-16 x 1 1/2" grade 8 hex head bolt	0.00	Each	\$ 0.0854	\$ 0.00
47	3/8-16 x 1 3/4" grade 8 hex head bolt	0.00	Each	\$ 0.0917	\$ 0.00
48	3/8-16 x 1" grade 5 hex head bolt	0.00	Each	\$ 0.0397	\$ 0.00
49	3/8-16 x 1" grade 8 hex head bolt	0.00	Each	\$ 0.0658	\$ 0.00
50	3/8-16 x 2 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.0952	\$ 0.00

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Requestor			Requisition Number		Bid Number
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
51	3/8-16 x 2 1/2" grade 8 hex head bolt	0.00	Each	\$ 0.1264	\$ 0.00
52	3/8-16 x 2" grade 5 hex head bolt	0.00	Each	\$ 0.0730	\$ 0.00
53	3/8-16 x 2" grade 8 hex head bolt	0.00	Each	\$ 0.1015	\$ 0.00
54	3/8-16 x 3 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.1285	\$ 0.00
55	3/8-16 x 3" grade 5 hex head bolt	0.00	Each	\$ 0.1024	\$ 0.00
56	3/8-16 x 3" grade 8 hex head bolt	0.00	Each	\$ 0.1481	\$ 0.00
57	3/8-16 x 3/4" grade 8 hex head bolt	0.00	Each	\$ 0.0557	\$ 0.00
58	3/8-16 x 4" grade 5 hex head bolt	0.00	Each	\$ 0.1338	\$ 0.00
59	3/8-16 x 4" grade 8 hex head bolt	0.00	Each	\$ 0.1970	\$ 0.00
60	3/8-16 x 5/8" grade 8 hex head bolt	0.00	Each	\$ 0.0554	\$ 0.00

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Requestor			Requisition Number		Bid Number
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
61	3/8-16 x 6" grade 8 hex head bolt	0.00	Each	\$ 0.3816	\$ 0.00
62	3/8-24 grade 8 hex nut	0.00	Each	\$ 0.0269	\$ 0.00
63	3/8-24 grade nyloc 8 hex nut	0.00	Each	\$ 0.0704	\$ 0.00
64	5/16" grade 5 lockwasher	0.00	Each	\$ 0.0098	\$ 0.00
65	5/16" grade 5 sae flat washer	0.00	Each	\$ 0.0060	\$ 0.00
66	5/16-18 grade 5 hex nut	0.00	Each	\$ 0.0120	\$ 0.00
67	5/16-18 grade 8 hex nut	0.00	Each	\$ 0.0165	\$ 0.00
68	5/16-18 grade 8 nyloc hex nut	0.00	Each	\$ 0.0214	\$ 0.00
69	5/16-18 x 1 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.0392	\$ 0.00
70	5/16-18 x 1" grade 5 hex head bolt	0.00	Each	\$ 0.0285	\$ 0.00

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Requestor			Requisition Number		Bid Number
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
71	5/16-18 x 2 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.0677	\$ 0.00
72	5/16-18 x 2 1/2" grade 8 hex head bolt	0.00	Each	\$ 0.0890	\$ 0.00
73	5/16-18 x 2" grade 5 hex head bolt	0.00	Each	\$ 0.0502	\$ 0.00
74	5/16-18 x 2" grade 8 hex head bolt	0.00	Each	\$ 0.0816	\$ 0.00
75	5/16-18 x 3 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.1043	\$ 0.00
76	5/16-18 x 3" grade 5 hex head bolt	0.00	Each	\$ 0.0718	\$ 0.00
77	5/16-18 x 3" grade 8 hex head bolt	0.00	Each	\$ 0.1052	\$ 0.00
78	5/16-18 x 4" grade 5 hex head bolt	0.00	Each	\$ 0.1191	\$ 0.00
79	5/16-24 grade 8 hex nut	0.00	Each	\$ 0.0183	\$ 0.00
80	5/16-24 grade 8 nyloc hex nut	0.00	Each	\$ 0.0472	\$ 0.00

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Requestor		Requisition Number			Bid Number
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
81	5/8-11 grade 8 hex nut	0.00	Each	\$ 0.0974	\$ 0.00
82	5/8-11 grade 8 nyloc hex nut	0.00	Each	\$ 0.1458	\$ 0.00
83	5/8-11 x 1" grade 8 hex head bolt	0.00	Each	\$ 0.2545	\$ 0.00
84	5/8-11 x 2" grade 8 hex head bolt	0.00	Each	\$ 0.3098	\$ 0.00
85	5/8-11 x 3" grade 8 hex head bolt	0.00	Each	\$ 0.4250	\$ 0.00
86	5/8-11 x 5" grade 8 hex head bolt	0.00	Each	\$ 0.6668	\$ 0.00
87	5/8-18 grade 8 hex nut	0.00	Each	\$ 0.1219	\$ 0.00
88	7/16" grade 5 lockwasher	0.00	Each	\$ 0.0203	\$ 0.00
89	7/16" grade 5 sae flat washer	0.00	Each	\$ 0.0112	\$ 0.00
90	7/16-14 grade 5 hex nut	0.00	Each	\$ 0.0334	\$ 0.00

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Chattanooga, TN 37402

V E N D O R	Vendor Number: Vendor Alternate ID: 283078
	Hayward Bolt & Specialty Co 2805 S Orchard Knob Ave Chattanooga, TN 37407

PO Date: 14-NOV-16 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 540975 INVOICES: Direct invoices in DUPLICATE to the Invoice address shown below.
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S H I P T O	
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I N V O I C E	Accounts Payable Division City of Chattanooga 101 East 11th Street, Suite 101 Chattanooga, TN 37402
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Requestor			Requisition Number		Bid Number
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
91	7/16-14 x 1 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.1054	\$ 0.00
92	7/16-14 x 1" grade 5 hex head bolt	0.00	Each	\$ 0.0792	\$ 0.00
93	7/16-14 x 2 1/2" grade 5 head bolt	0.00	Each	\$ 0.1731	\$ 0.00
94	7/16-14 x 2" grade 5 hex head bolt	0.00	Each	\$ 0.1423	\$ 0.00
95	7/16-14 x 3 1/2" grade 5 hex head bolt	0.00	Each	\$ 0.1923	\$ 0.00
96	7/16-14 x 3" grade 5 hex head bolt	0.00	Each	\$ 0.1690	\$ 0.00
97	7/16-14 x 4" grade 5 hex head bolt	0.00	Each	\$ 0.2518	\$ 0.00
98	9/16-12 x 2" grade 8 hex head bolt	0.00	Each	\$ 0.3290	\$ 0.00
99	9/16-12 x 4 1/2" grade 8 hex head bolt	0.00	Each	\$ 0.6472	\$ 0.00
100	9/16-12 x 4" grade 8 hex head bolt	0.00	Each	\$ 0.5613	\$ 0.00

***** NOTICE *****

This Purchase Order ("Agreement") is a binding agreement between the City of Chattanooga and the Vendor. This Purchase Order shall be governed by the following documents: (1) Purchase Order; (2) City of Chattanooga Purchase Order Standard Terms and Conditions; (3) Vendor's response to the bid or quotation; and (4) terms and conditions set forth in the bid or quotation, each of which is hereby incorporated herein by reference and becomes a part of this Agreement. In the event any conflict of terms arises, the terms controlling the Agreement shall be in the order provided hereinabove. This Purchase Order is valid only when signed or electronically approved by the Finance Officer.

Electronic approval is on record in the purchasing information system which asserts that unencumbered appropriation is available to meet the expenditure covered by this Purchase Order; and further authorizes payment upon proper certification of receipt of goods and/or services.

Purchase Order BLANKET



City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

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Requestor			Requisition Number		Bid Number
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
101	Fasteners (Nuts, Bolts, Washers, etc.) Not Listed Above; Cost + 40 % Markup	0.00	Each	\$ 1.0000	\$ 0.00

TOTAL: \$.00

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City of Chattanooga

Mayor Andy Berke

October 5, 2017

Hayward Bolt & Specialty Company
Attn: June Card
2805 S. Orchard Knob Avenue
Chattanooga, TN 37407

Subject: 540975 – Fasteners (Nuts, Bolts, Washers)

Dear Ms. Card:

The City of Chattanooga would like to extend the above referenced contract for an additional twelve (12) months at the same contracted price(s).

The new expiration date will be November 15, 2018.

Please render the appropriate signature below and return via fax to 423-643-7244 or by email to mmckeel@chattanooga.gov if you agree to renewal.

As always, we appreciate the good service you have rendered in the past, and we look forward to working with you in the future.

Signed: _____

Date: _____

Sincerely,

Mark McKeel, Buyer
City of Chattanooga
Phone: (423) 643-7236 Fax: (423) 643-7244