

Last saved on 02/19/2019 3:41 PM

TUESDAY, FEBRUARY 19, 2019
CITY COUNCIL REVISED AGENDA
6:00 PM

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

PLANNING

- a. [2019-007 Chazen Engineering Group % Justin Tirsun \(R-1 Residential Zone to R-T/Z Residential Townhouse/Zero Lot Line Zone and UGC Urban General Commercial Zone\). An ordinance to amend Chattanooga City Code, Part II, Chapter 38, Zoning Ordinance, so as to rezone part of property located at southwest of the 500 block of Kestrel Lane, more particularly described herein, from R-1 Residential Zone to R-T/Z Residential Townhouse/Zero Lot Line Zone and UGC General Commercial Zone. \(District 1\) \(Recommended for approval by Planning and recommended for deferral for up to 60 days by Staff\) \(Planning Version #2\)](#)
- b. [2019-002 Wayne Williams \(Lift Conditions\). An ordinance to amend Chattanooga City Code, Part II, Chapter 38, Zoning Ordinance, so as to lift Conditions 1 thru 4 of Ordinance No. 10781 of previous Case No. 1998-187, off property located at 6550 Lee Highway, more particularly described herein. \(District 6\) \(Recommended for approval by Planning\)](#)
- c. [2019-003 Chazen Engineering % Justin Tirsun \(M-1 Manufacturing Zone to UGC Urban General Commercial Zone\). An ordinance to amend Chattanooga City Code, Part II, Chapter 38, Zoning Ordinance, so as to rezone properties located at 3220 Williams Street and 1121 West 33rd Street, more particularly described herein, from M-1 Manufacturing Zone to UGC Urban General Commercial Zone. \(District 7\) \(Recommended for approval by Planning and Staff\)](#)

- d. [2019-008 Chazen Engineering Group % Justin Tirsun \(U-PK Urban Parks and Open Space Zone to U-RM-3 Urban Residential Multi-Unit Zone with 3 Stories Maximum Height and U-CX-3 Urban Commercial Mixed Use Zone with 3 Stories Maximum Height\). An ordinance to amend Chattanooga City Code, Part II, Chapter 38, Zoning Ordinance, so as to rezone part of an unaddressed and un-parceled former railroad right-of-way located along the west line of the 1500 through 1700 blocks of Adams Street, more particularly described herein, from U-PK Urban Parks and Open Space Zone to U-RM-3 Urban Residential Multi-Unit Zone with 3 Stories Maximum Height and U-CX-3 Urban Commercial Mixed Use Zone with 3 Stories Maximum Height. \(District 7\) \(Recommended for approval by Planning\)](#)
- e. [2019-006 Chazen Engineering Group % Justin Tirsun \(R-1 Residential Zone to UGC Urban General Commercial Zone\). An ordinance to amend Chattanooga City Code, Part II, Chapter 38, Zoning Ordinance, so as to rezone property located at 916 East 14th Street, more particularly described herein, from R-1 Residential Zone to UGC Urban General Commercial Zone, subject to certain conditions. \(District 8\) \(Recommended for approval by Planning\) \(Planning Version #2\)](#)
- f. [2019-009 Brent and Maggie Bill \(R-2 Residential Zone to UGC Urban General Commercial Zone\). An ordinance to amend Chattanooga City Code, Part II, Chapter 38, Zoning Ordinance, so as to rezone properties located at 2308 and 2314 East 13th Street, more particularly described herein, from R-2 Residential Zone to UGC Urban General Commercial Zone. \(District 8\) \(Recommended for approval by Planning and recommended for denial by Staff\) \(Planning Version #2\)](#)
- g. [2019-011 Pat Neuhoff \(R-3 Residential Zone to R-4 Special Zone\). An ordinance to amend Chattanooga City Code, Part II, Chapter 38, Zoning Ordinance, so as to rezone property located at 527 O'Neal Street, more particularly described herein, from R-3 Residential Zone to R-4 Special Zone, subject to limited uses only. \(District 8\) \(Recommended for approval by Planning and Staff\)](#)
- h. [2019-001 Ridgedale Mill, LLC % Jay Martin \(M-1 Manufacturing Zone to UGC Urban General Commercial Zone\). An ordinance to amend Chattanooga City Code, Part II, Chapter 38, Zoning Ordinance, so as to rezone property located at 1101 South Watkins Street, more particularly described herein, from M-1 Manufacturing Zone to UGC Urban General Commercial Zone, subject to certain conditions. \(District 9\) \(Recommended for approval by Planning and Staff\) \(Planning Version #2\)](#)

PUBLIC WORKS AND TRANSPORTATION

Public Works

- i. [MR-2018-225 Lynn Anderson-Allen & Hoshall \(Abandonment\). An ordinance closing and abandoning a sewer easement located in the 800 block of Airport Road, as detailed on the attached map. \(District 5\) \(Recommended for approval by Public Works and Planning\)](#)

Transportation

- j. [MR-2019-004 Barge Design Solutions, Inc. % Tyler W. Gross, Agent for Owner, Hamilton County Department of Education \(Abandonment\). An ordinance closing and abandoning the 100 to 300 blocks of East 25th Street for the construction of a new Howard High School track and field complex, as detailed on the attached map, subject to certain conditions. \(District 7\) \(Recommended for approval by Transportation\)](#)
- k. [MR-2019-005 Chazen Engineering % Justin Tirsun, Agent for Owner, 14th Street Properties, LLC \(Abandonment\). An ordinance closing and abandoning a portion of the intersection of the 900 block of East 14th Street and the 1400 block of Fagan Street to facilitate future development, as detailed on the attached map, subject to certain conditions. \(District 8\) \(Recommended for approval by Transportation\)](#)
- l. [MR-2019-017 A.D. Engineering % Tiffany J. Farley, Agent for Owner, Power Property Partners % Rob Jenkins \(Abandonment\). An ordinance closing and abandoning a portion of the 800 block of Daisy Street to facilitate future development, as detailed on the attached map, subject to certain conditions. \(District 8\) \(Recommended for approval by Transportation\)](#)

VI. **Ordinances – First Reading:**

ECONOMIC AND COMMUNITY DEVELOPMENT

- a. [An ordinance to amend Chattanooga City Code, Part II, Chapter 21, by renaming the Chapter “Property Maintenance”; deleting Articles I, II, III, IV and VI relative to Housing and replacing with new Articles I, II, III, IV, and V relative to Property Maintenance; renumbering Article V Referral Service to Article VI Referral Service; moving Article VIII to new Article III, Division 4, relative to the Administrative Hearing Officer; deleting Chapter 18, Sections 18-158 through 18-170, relative to Litter and Overgrowth; and adding Appendix A to Chapter 21.](#)

FINANCE

- b. [An ordinance amending Ordinance No. 13334, known as “the Fiscal Year 2018-2019 Budget Ordinance” so as to reappropriate \\$25,000.00 from the General Fund, Department of Economic and Community Development Homeless Outreach Project \(G00106\) to Family Promise to meet the emergency housing needs of displaced individuals experiencing homelessness and shelter needs for veterans in its program.](#)

- c. [An ordinance to amend Ordinance No. 13335, known as “the Fiscal Year 2018-2019 Capital Improvement Budget Ordinance,” so as to reappropriate \\$30,000.00 from the Department of Transportation Capital Fund to Chattanooga Area Regional Transit Authority \(CARTA\) for a Transit Network Redesign Study and \\$60,000.00 from the Department of Economic and Community Development Capital Fund to Rivercity Company for the 3rd/4th Street Master Plan and appropriate \\$500,000.00 from the Chattanooga Public Library Operating Fund to Library HVAC Lighting and Asbestos Removal Capital Project.](#)
- d. [An ordinance to amend Ordinance No. 13214, known as “the Fiscal Year 2017-2018 Capital Improvement Budget Ordinance,” so as to appropriate \\$500,000.00 from the Department of Economic and Community Development Capital Fund to the Southeast Tennessee Development District \(SETDD\) for the Small Business Loan Program.](#)

PLANNING

- e. [2018-222 MAP Engineers, LLC \(Amend and Lift Conditions\). An ordinance to amend Chattanooga City Code, Part II, Chapter 38, Zoning Ordinance, so as to amend and lift conditions on property located at 706, 710, and 716 Ashland Terrace, more particularly described herein. \(District 2\) \(Planning Alternate Version #3\) \(Deferred from 2/5/2019\)](#)

VII. **Resolutions:**

ECONOMIC AND COMMUNITY DEVELOPMENT

- a. [A resolution authorizing the Mayor to execute a Second Agreement to Exercise Option to Renew with the Chattanooga Housing Authority, in substantially the form attached, for a term of one \(1\) year for the use of the gymnasium at Cromwell Hills Apartments to operate programs for youth, young adults, and families on the property located at 3940 Camellia Drive. \(District 5\)](#)
- b. [A resolution authorizing the Mayor to execute a Second Agreement to Exercise Option to Renew with the Chattanooga Housing Authority, in substantially the form attached, for a term of one \(1\) year for the use of the Sheila Jennings Wellness Center to operate programs for youth, young adults, and families on the property located at 1201 Poplar Street. \(District 7\)](#)
- c. [A resolution authorizing the Administrator for the Department of Economic and Community Development to award HOME Program Funding to Habitat for Humanity of Chattanooga for the development of four \(4\) affordable homeownership opportunities, in the amount of \\$160,000.00. \(Districts 7, 8 & 9\)](#)

- d. [A resolution authorizing the Administrator for the Department of Economic and Community Development to exercise the first option to renew the Administrative Hearing Officer Agreement with Judge Walter Williams for an additional twelve \(12\) month term with three \(3\) remaining twelve \(12\) month extension options, for a total amount of \\$25,000.00.](#)
- e. [A resolution authorizing the acceptance of a City of Chattanooga 2019 Public Art Strategic Plan and authorizes the Chattanooga Public Art Commission and Public Art Division Staff to advance public art policy recommendations.](#)

[A resolution authorizing the acceptance of a City of Chattanooga 2019 Public Art Strategic Plan and authorizes the Chattanooga Public Art Commission and Public Art Division Staff to advance public art policy recommendations, subject to certain conditions. \(Alternate Version\)](#)

SHORT TERM VACATION RENTAL APPLICATION

- f. [2019-03 Jennifer Dixon. A resolution approving Short Term Vacation Rental Application No. 18-STVR-00162 for property located at 4204 Seneca Avenue. \(District 7\) \(Deferred from 1/29/19\)](#)
- g. [2019-10 Christopher & Elizabeth Keene. A resolution approving Short Term Vacation Rental Application No. 18-STVR-00178 for property located at 611 Tremont Street. \(District 2\)](#)
- h. [2019-11 Fred & Pam Spahn. A resolution approving Short Term Vacation Rental Application No. 18-STVR-00190 for property located at 1609 Long Street, Unit 105. \(District 7\)](#)
- i. [2019-12 Chattanooga Vacation Rentals/James E. Murray. A resolution approving Short Term Vacation Rental Application No. 18-STVR-00200 for property located at 4421 Alabama Avenue. \(District 7\)](#)
- j. [2019-13 Tim Crowe. A resolution approving Short Term Vacation Rental Application No. 18-STVR-00225 for property located at 507 Colville Street. \(District 2\)](#)

MAYOR'S OFFICE

- k. [A resolution to confirm the Mayor's appointment of Jeffery McClendon to the Chattanooga Housing Authority Board.](#)

PUBLIC WORKS AND TRANSPORTATION

Public Works

- l. A resolution authorizing the Administrator for the Department of Public Works to enter into an agreement with ENCO Utility Services for sewer billing services for a one (1) year term with two (2) optional one (1) year renewals for a cost of \$1.20 per bill per month plus set-up, licensing, and incidentals (shut off notice printing, call center services, etc.), for a total amount not to exceed \$1.2 million. (Deferred from 1/29/19)
- m. A resolution authorizing the approval of Change Order No. 1 with HDR Engineering, Inc. to perform a Rate Structure Analysis relative to the Water Quality Program Rate Study, in the amount of \$73,500.00, for a revised amount not to exceed \$438,194.00.
- n. A resolution authorizing the renewal of on-call modeling and floodplain analysis services from (1) LDA Engineering; (2) CDM Smith; (3) Stantec; (4) AECOM; (5) Wood Environmental; (6) JBWSC; (7) Fulghum, Macindoe; and (8) HDR, for renewal of eight (8) one (1) year blanket contracts with these professional firms for year 3 of 3 for professional services estimated at \$650,000.00 total annually for all eight (8) professional firms for use by all departments.

VIII. Purchases.

IX. Other Business.

Approval of certification for new grocery stores wishing to sell wine:

- a) MAPCO Express, Inc. d/b/a MAPCO #3538, 3709 Cummings Highway **(District 1)**
- b) MAPCO Express, Inc. d/b/a MAPCO #3530, 4600 Highway 58 **(District 5)**
- c) MAPCO Express, Inc. d/b/a MAPCO #3687, 7701 Lee Highway **(District 6)**
- d) MAPCO Express, Inc. d/b/a MAPCO #3692, 6200 Lee Highway **(District 6)**
- e) MAPCO Express, Inc. d/b/a MAPCO #3536, 8604 N. Hickory Valley Road **(District 6)**
- f) MAPCO Express, Inc. d/b/a MAPCO #3534, 100 West 20th Street **(District 7)**
- g) MAPCO Express, Inc. d/b/a MAPCO #3542, 2727 Rossville Boulevard **(District 8)**

X. Committee Reports.

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

XII. Adjournment.

TUESDAY, FEBRUARY 26, 2019
CITY COUNCIL AGENDA
6:00 PM

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

ECONOMIC AND COMMUNITY DEVELOPMENT

- a. [An ordinance to amend Chattanooga City Code, Part II, Chapter 21, by renaming the Chapter “Property Maintenance”; deleting Articles I, II, III, IV and VI relative to Housing and replacing with new Articles I, II, III, IV, and V relative to Property Maintenance; renumbering Article V Referral Service to Article VI Referral Service; moving Article VIII to new Article III, Division 4, relative to the Administrative Hearing Officer; deleting Chapter 18, Sections 18-158 through 18-170, relative to Litter and Overgrowth; and adding Appendix A to Chapter 21.](#)

FINANCE

- b. [An ordinance amending Ordinance No. 13334, known as “the Fiscal Year 2018-2019 Budget Ordinance” so as to reappropriate \\$25,000.00 from the General Fund, Department of Economic and Community Development Homeless Outreach Project \(G00106\) to Family Promise to meet the emergency housing needs of displaced individuals experiencing homelessness and shelter needs for veterans in its program.](#)
- c. [An ordinance to amend Ordinance No. 13335, known as “the Fiscal Year 2018-2019 Capital Improvement Budget Ordinance,” so as to reappropriate \\$30,000.00 from the Department of Transportation Capital Fund to Chattanooga Area Regional Transit Authority \(CARTA\) for a Transit Network Redesign Study and \\$60,000.00 from the Department of Economic and Community Development Capital Fund to Rivercity Company for the 3rd/4th Street Master Plan and appropriate \\$500,000.00 from the Chattanooga Public Library Operating Fund to Library HVAC Lighting and Asbestos Removal Capital Project.](#)
- d. [An ordinance to amend Ordinance No. 13214, known as “the Fiscal Year 2017-2018 Capital Improvement Budget Ordinance,” so as to appropriate \\$500,000.00 from the Department of Economic and Community Development Capital Fund to the Southeast Tennessee Development District \(SETDD\) for the Small Business Loan Program.](#)

PLANNING

- e. [2018-222 MAP Engineers, LLC \(Amend and Lift Conditions\). An ordinance to amend Chattanooga City Code, Part II, Chapter 38, Zoning Ordinance, so as to amend and lift conditions on property located at 706, 710, and 716 Ashland Terrace, more particularly described herein. \(District 2\) \(Planning Alternate Version #3\) \(Deferred from 2/5/2019\)](#)

6. **Ordinances – First Reading: (None)**

7. **Resolutions:**

ECONOMIC AND COMMUNITY DEVELOPMENT

- a. [A resolution authorizing the Mayor to execute a Third Agreement to Exercise Option to Renew for an additional term of one \(1\) year with North Chickamauga Creek Conservancy, in substantially the form attached, for the lease and management of a community garden at Greenway Farms Park, with an address of 5051 Gann Store Road. \(District 3\)](#)
- b. [A resolution authorizing the Mayor to execute a License Agreement, in substantially the form attached, with Friends of the Festival, Inc. for Riverbend Festival 2019, for the period of May 24, 2019 through June 4, 2019.](#)

MAYOR’S OFFICE

- c. [A resolution to confirm the Mayor’s re-appointment of Jim Hall to the Airport Authority Board.](#)
- d. [A resolution to confirm the Mayor’s re-appointment of Edna Varner to the Chattanooga Housing Authority Board.](#)

PUBLIC WORKS AND TRANSPORTATION

Public Works

- e. [A resolution authorizing the approval of Change Order No. 1 \(Final\) for Tri-State Roofing Contractors of Chattanooga, TN, relative to Contract No. Y-17-019-201, Replacement Roofing System for Shepherd YFD Center Building, for an increased amount of \\$18,546.00, for a revised contract amount not to exceed \\$173,615.00. \(District 6\)](#)
- f. [A resolution authorizing the Administrator for the Department of Public Works is hereby authorized to apply for, and accept, if awarded, reimbursable funds for the household hazardous waste grant from the Tennessee Department of Environment and Conservation \(TDEC\) to operate the household hazardous waste facility, for an amount not to exceed \\$95,000.00.](#)

Transportation

- g. A resolution authorizing M Street Chatt, LLC % Reggie Walls to use temporarily the right-of-way located at 405 N. Market Street for the purpose of installing a projecting sign, as shown on the maps attached hereto and made a part hereof by reference, subject to certain conditions. (District 1)
- h. A resolution authorizing Buddy Ratley Signs % Buddy Ratley, on behalf of property owner, R. Steve Hunt, to use temporarily the right-of-way located at 631 Broad Street for the purpose of installing projecting signs, as shown on the maps attached hereto and made a part hereof by reference, subject to certain conditions. (District 7)
- i. A resolution authorizing the Administrator for the Department of Transportation to enter into an agreement with The Corradino Group relative to Contract No. T-15-027-201 for professional services associated with Chattanooga Regional ITS Phase 1A: CCTV Cameras in the CBD Construction Engineering and Inspection, in the amount of \$94,850.00. (District 7)

YOUTH AND FAMILY DEVELOPMENT

- j. A resolution authorizing the Administrator for the Department of Youth and Family Development to enter into a contract with Duke University Family Connects International to provide a feasibility study for Chattanooga's adoption of family connects, for a one time amount not to exceed \$50,000.00.
- 8. Purchases.
 - 9. Other Business.
 - 10. Committee Reports.
 - 11. Recognition of Persons Wishing to Address the Council on Non-Agenda Matters.
 - 12. Adjournment.

Proposed City Council Purchases 02-19-19

DEPARTMENT REQUISITION NO.	ITEM DESCRIPTION	BIDS REQUESTED	BIDS RETURNED	LOWEST/BEST BIDDER	COST	FUND NAME	NOTES
PO541577 Department of Youth & Family Development	Increase Blanket Contract - Commercial Food Services - Department of Youth & Family Development	-	-	YMCA of Metropolitan Chattanooga 301 West 6th Street Chattanooga, TN 37402	Increase \$250,000.00 ----- Estimated Revised Total \$557,500.00 Annually	General Fund	Increase Blanket Contract - Commercial Food Services - Department of Youth & Family Development.
PO542101 Public Works Department	Blanket Contract Renewal - Standard Valves - Waste Resource Division - Public Works Department	10	5	Consolidated Pipe & Supply Co. 7724 Bellcamp Pike Knoxville, TN 37931	Estimated \$175,000.00 Annually	Waste Resource Division	Blanket Contract Renewal - Standard Valves - Waste Resource Division - Public Works Department. The City of Chattanooga is renewing the second (2nd) and last renewal option for twelve (12) months. There were ten (10) direct bid solicitations and we received five (5) response in the publicly advertised bid proceedings.
R179555 Chattanooga Police Department	Purchase - Yamaha 4.2 Liter V6 250HP Boat Engines - Chattanooga Police Department	7	1	RMP Marine Roane Marine Powersport 6320 Hwy 58 Harrison, TN 37341	Total Purchase \$51,021.00	General Fund	Purchase - Yamaha 4.2 Liter V6 250HP Boat Engines - Chattanooga Police Department. The City of Chattanooga will purchase a boat engine for Marine Operations of the Chattanooga Police Department. There were seven (7) direct bid solicitations and we received one (1) response in the publicly advertised bid proceedings.
R181658 Chattanooga Fire Department	Purchase - Handheld Chemical Identification System - Fire Department	-	-	Rigaku Analytical Devices, Inc. 30 Upton Drive, Suite 2 Wilmington, MA 01887	Total Purchase \$49,870.00	General Fund	Purchase - Handheld Chemical Identification System - Fire Department. This is a sole-source purchase from Rigaku. TCA 6-56-304.2 allows this single source contract to be exempted from the usual advertising and bidding requirements.
R181720 Chattanooga Fire Department	Purchase - Two (2) U.S. Tanker Fire Apparatus - Fire Department	-	-	Spartan Motors USA, Inc. 610 West 4th Street Snyder, NE 68664	Total Purchase \$607,348.00	General Fund	Purchase - Two (2) U.S. Tanker Fire Apparatus - Fire Department. This purchase is utilizing the Sourcewell contract, PO No 022818-SPR. TCA 6-56-304.2 allows this single source contract to be exempted from the usual advertising and bidding requirements.



City of Chattanooga

Mayor Andy Berke

February 13, 2019

Lurone Jennings, Administrator
Department of Youth and Family Development
501 West 12th Street
Chattanooga, TN 37402

Subject: R179803 – Increase Funding of Blanket Contract 541577 for Commercial Food Services

Dear Mr. Jennings:

Council approval is requested by the Department of Youth and Family Development (YFD) to increase the authorized funding on blanket contract 541577 for the Youth and Adult Care Food Program. The future anticipated expenditure under this blanket contract, until its expiration on September 30, 2019, is \$250,000.00. The revised annual expenditure under this contract is \$557,500.00.

A copy of blanket contract 541577 is attached. When the initial Blanket Purchase Order was first established, the estimated annual expenditure was based upon the amount needed for the Recreation Centers. In August 2018, the Head Start program began using the blanket contract, through an additional Statement of Work executed by the Department.

Respectfully yours,

Bonnie Woodward
Purchasing Director

BW/wt
Attachment

Vendor address:

YMCA of Metropolitan Chattanooga
301 West 6th Street
Chattanooga TN 37402



FEB 14 RECD
Purchasing

FOR YOUTH DEVELOPMENT
FOR HEALTHY LIVING
FOR SOCIAL RESPONSIBILITY

YMCA OF METROPOLITAN CHATTANOOGA AND CITY OF CHATTANOOGA HEAD START

The City of Chattanooga (herein referred to as "City") and the YMCA of Metropolitan Chattanooga: JA Henry Community YMCA (herein referred to as the "YMCA") (collectively referred to as the "Parties") and enter into this agreement for the implementation for the Healthy Meals for the City of Chattanooga Head Start Centers. The partnership is part of the ministry to improve the overall health and wellness of urban youth through nutrition, physical activity, mentors, and overall emotional and social well-being. This agreement between the City and YMCA is for school nutrition for breakfast and lunch.

WHEREAS, the Parties recognize that this agreement will create a mutually beneficial relationship between them in the effort to address nutritional needs of the youth with the City.

NOW THEREFORE, in consideration of the mutual covenants, mutual benefits and synergistic effect created by entering this Memorandum of Understanding, City and YMCA agree as follows:

- MEALS: The YMCA will prepare all meals, according to the sample menu attached to this MOU for breakfast and lunch. The YMCA will provide school time meals for breakfast and lunch when school is in session according to their calendar. All orders must be submitted to the YMCA one week in advance for these services. All meals will meet the standards set by the USDA School Nutrition. In addition to meals the YMCA will provide extra packages of food items for unforeseen accidents or for supplementing the school meals.
- FEES: The YMCA will charge \$3.00 per meal for lunch and breakfast meals will be \$1.60 per meal. The YMCA based its fees on the number of meals, packaging, storage and delivery. Each meal must be counted for accuracy and the daily delivery ticket must be signed by City staff or Head Start. The City is responsible for paying for all adult meals and are recorded on a separate meal sheet. This is to keep the records for the City to report to the State free from audit from the State.
- REPORTING: The City is responsible for meal claims, reporting and audits with the State of Tennessee DHS School Nutrition Program. The YMCA will submit a monthly invoice based on the delivery/pick up tickets. Each site must report the meal

count to the YMCA by 5:00 p.m. each day for the upcoming day. All Monday meal counts will be based on the prior Monday unless otherwise indicated by the City.

4. DELIVERY: The YMCA will be responsible to have all meals prepared and delivered each day according to the schedule provided by the City. The following sites have been listed: Avondale Early Head Start and Head Start, Soddy Daisy Early Head Start and Head Start, Cedar Hill Early Head Start and Head Start, YFD Early Head Start and Head Start. Breakfast meals to arrive by 8:00 am and lunch to arrive by 11:00 am each day. Based on the current numbers there are approximately 128 Early Head Start students and 405 Head Start Students. Adult meals are based on 3 adults per class for 43 Classrooms or 126 meals.

5. FINANCIAL: The City makes an advance payment of 50% of average monthly meals to be invoiced to begin this agreement. Invoices are then paid monthly based on the monthly net balance for the first month and upon the end of the month meal counts by the 10th of each month following. This agreement is not based on meals claimed but on the meals received by the City. The City will receive two invoices each month. The primary invoice is for Head Start Meals for students and the second is for the meals for teachers/staff who will be paid by the City but not by the State.

6. DURATION OF AGREEMENT. The agreement is from August 1, 2018 – June 30, 2019. This agreement must be renewed annually. Either party has the option to terminate the agreement with a 30 day notification.

7. MODIFICATION. This agreement may be modified upon agreement of the parties as circumstances and conditions change.

8. AUTHORITY. The individuals below represent that they each have the authority to execute this document and enter the memorandum of understanding.

9. HEADINGS. The headings of the provisions provided herein are intended for convenience reference only and shall not be deemed interpretative of the contents of each provision.

10. INSURANCE. The YMCA is covered under the liability insurance of the YMCA of Metropolitan Chattanooga and will submit a certificate of insurance to City as an additional insure.

This Memorandum of Understanding is August 1, 2018 – June 30, 2019

City of Chattanooga

JA Henry Community YMCA

Sherry Hutsell 4/5/18
Signature Date

Rick Madson 4/9/18
Signature Date

Sherry Hutsell
Print Name

Rick Madson
Print Name

Director, HS/EHS
Print Title

@00
Print Title

Purchase Order BLANKET



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

V E N D O R	Vendor Number: 421145 Vendor Alternate ID: 3546 YMCA Downtown301 W Sixth St Chattanooga, TN 37402
--	--

PO Date: 22-DEC-16 Buyer: William Tucker FOB: DESTINATION Terms: Immediate	Purchase Order Number 541577 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	
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
Requisition No.: 142772 Ordering Dept.: Youth and Family Development Buyer: Dedra Partridge Phone No.: (423) 643-7237 Item Being Purchased: Commercial Food Service Vendor/CACFP This Shall Be A Twelve (12) Month Blanket Contract To Commercial Food Service. The Contract Term May Be Renewed For Two (2) Additional 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. PO Issued In Accordance With Contract Between The City of Chattanooga and Young Men's Christian Association (YMCA) Dated 12/22/2016 Vendor Contact: Bill Rush - (423) 266-3766 brush@ymcachattanooga.org City Contact: Kimberly Stewart (423) 643-6406 kstewart@chattanooga.gov Approved By City Council On December 20, 2016 Beginning & Ending: January 1, 2017 thru December 31, 2017					

***** 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: 421145 Vendor Alternate ID: 3546 YMCA Downtown301 W Sixth St Chattanooga, TN 37402
--	---

PO Date: 22-DEC-16 Buyer: William Tucker FOB: DESTINATION Terms: Immediate	Purchase Order Number 541577 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> <tbody> <tr> <td>*****</td> <td colspan="5">THIS IS A REVISION TO A PRIOR ORDER *****</td> </tr> <tr> <td></td> <td colspan="5">Change Order Issued Changing Buyer From Dedra Partridge To William Tucker</td> </tr> <tr> <td></td> <td colspan="5">Contract Performance Date Changed to Coincide With The CACFP Program Grant (10/1/2017-9/30/2018). The New CPD Will Be September 30, 2018</td> </tr> <tr> <td></td> <td colspan="5">Approved By City Council On January 9, 2018</td> </tr> </tbody> </table>	Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total	*****	THIS IS A REVISION TO A PRIOR ORDER *****						Change Order Issued Changing Buyer From Dedra Partridge To William Tucker						Contract Performance Date Changed to Coincide With The CACFP Program Grant (10/1/2017-9/30/2018). The New CPD Will Be September 30, 2018						Approved By City Council On January 9, 2018						
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total																											
*****	THIS IS A REVISION TO A PRIOR ORDER *****																															
	Change Order Issued Changing Buyer From Dedra Partridge To William Tucker																															
	Contract Performance Date Changed to Coincide With The CACFP Program Grant (10/1/2017-9/30/2018). The New CPD Will Be September 30, 2018																															
	Approved By City Council On January 9, 2018																															

***** 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: 421145 Vendor Alternate ID: 3546 YMCA Downtown301 W Sixth St Chattanooga, TN 37402
--	---

PO Date: 22-DEC-16 Buyer: William Tucker FOB: DESTINATION Terms: Immediate

Purchase Order Number 541577
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
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
1	Commerical Food Services-CACFP-estimated servings per day 500; estimated number of serving days 205=102500 servings total.	0.00	Each	\$ 1.0000	\$ 0.00

TOTAL: \$.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.

CONTRACT

The City of Chattanooga (“Sponsor”) and Young Men’s Christian Association (“YMCA”) (“Vendor”) (collectively, the “Parties”) enter into this Contract with an Effective date of October 1, 2016, for implementation of the Child and Adult Care Food Program (“CACFP”) for at-risk youth at the Sponsor’s Youth and Family Development Centers.

WHEREAS, the facilities and capabilities of Vendor are adequate to prepare specified meals for the Sponsor’s facilities; and

WHEREAS, Vendor is willing to provide such services to Sponsor on a fixed-fee contract reimbursement basis.

NOW THEREFORE, in consideration of the mutual covenants and other good and valuable consideration, the Parties agree as follows:

Vendor agrees to be bound by the Sponsor’s Standard Terms and Conditions contained in **Exhibit A** attached hereto and incorporated herein.

1. Vendor Responsibilities

A. Food Services; Term. Vendor agrees to prepare meals with or without milk or juice for Sponsor in accordance with this Contract and that meet the USDA meal pattern requirements for the CACFP in accordance with 7 C.F.R. § 226 for the period of October 1, 2016 through September 30, 2017. Vendor has attached to this Contract as **Exhibit B** the menus that were used in solicitation of this Contract. Menus may be adjusted as needed by mutual agreement of the Parties.

- i. Meal Substitutions for Participants With A Disability. Vendor will provide meal substitutions or modifications for disabled participants who provide a statement from a licensed physician, physician assistant or certified nurse practitioner that they are unable to consume the regular program meals due to their disability. The statement must identify the participant’s disability, the major life activities affected by the disability, the food or foods to be omitted from the participant’s diet, and the food or choice of foods that must be substituted. Participants with disabilities may not be charged any fees for modifications or substitutions.
- ii. Meal Substitutions for Participants With No Disability. Vendor will provide meal substitutions allowed in 7 C.F.R. 226.20(h) for participants who do not have a documented

disability but who are unable to eat the regular program meals due to medical or special dietary needs as documented by a statement from a recognized medical authority. The statement from the recognized medical authority must describe the medical or special dietary need, the recommended alternate foods, and be signed and dated by the recognized medical authority. The following are considered to be recognized medical authorities for this purpose: physician, physician assistant, certified nurse practitioner, registered dietitian, licensed nutritionist, and chiropractor. Sponsor will pay the regular meal charges for meals with substitutions or modifications.

- iii. Vendor will also provide condiments, eating utensils, paper items, extra milk, and transportation containers. YMCA will be responsible for cleaning transportation containers.
- iv. Health and Sanitation. Vendor agrees that state and local health and sanitation requirements will be met at all times. Vendor will meet all state and local health regulations that apply to Vendor facilities in which meals are prepared. Vendor will maintain applicable health certifications in all facilities in which meals are prepared. All food will be properly stored, prepared and packaged. Sponsor will not pay for meals that are unwholesome or spoiled at the time of pick-up by Sponsor, or that do not meet the meal requirements contained in this Contract.
- v. Supervision and Inspection: The Vendor will provide management supervision at all times and maintain constant quality control inspections to check for portion size, appearance and packaging in addition to the quality of products.
- vi. Compliance with certain CACFP requirements: Vendor agrees to buy American domestic commodities to the maximum extent practicable. Domestic products are those that are produced in the United States and those that are processed in the United States substantially (51 percent or more) using agricultural commodities produced in the United States.
- vii. Invoicing. Vendor agrees to present to Sponsor an invoice, accompanied by reports, no later than the 5th day of each month that itemizes the previous month's meals prepared by Vendor. Sponsor agrees to remit payment to Vendor

within fifteen (15) days following receipt of Vendor's invoice. All invoicing shall be based on actual meals received by Sponsor. Sponsor agrees to make a one-time advance payment of \$15,000.00 for December 2016 (the "Advance Payment"). The December 2016 invoice will reflect the Advance Payment and be deducted from the total amount due. In the event this Agreement is terminated for any reason (except for the failure of Sponsor to abide by the terms of this Agreement), Vendor shall immediately reimburse Sponsor the Advance Payment. Vendor agrees to forfeit payment for meals which are not ready within one (1) hour of the agreed upon pick-up time set forth in 1.B. below.

viii. Recordkeeping and Availability of Records. Vendor agrees to maintain full and accurate records, which Sponsor requires to meet its responsibility for claiming reimbursements through the CACFP. Required records include: (1) daily menu records; (2) daily quantities of food prepared, by type of meal; and (3) daily number of meals furnished, by type of meal. At the end of each month, Vendor will submit copies of the records of menus and numbers of meals furnished to Sponsor. Vendor will submit copies of food production records to Sponsor upon request.

B. Pick-Up. Vendor will be responsible for having all meals prepared by 2:00 p.m. for pick-up by Sponsor at the Orange Grove Center Kitchen.

C. Menu Preparation. Vendor shall prepare all meals according to the menus attached to this Contract, which have been approved by Sponsor.

2. Sponsor Responsibilities.

A. Ordering. Sponsor will notify Vendor in advance of the number of meals needed. Vendor will use an organized system for receiving orders and documenting orders for pick-up by Sponsor and for ensuring that meal orders are correctly packaged for pick-up. Sponsor shall send meal orders by 5:00pm (time of day) by e-mail, telephone or in person.

B. Meal Charges and Billing. Sponsor will pay \$2.90 per meal that is picked up daily by Sponsor's designated employees or volunteers. Each meal must be counted for accuracy and the daily delivery ticket must be signed. Sponsor will pay for ordered meals that meet

CACFP meal requirements including health and sanitation standards set forth in 1.A. iv above.

C. Control of Food Service. Sponsor will maintain overall responsibility for administration of the food service in accordance with CACFP regulations and policies. Sponsor will:

- i. Retain control of the quality, extent and general nature of the food service, including counting the numbers of reimbursable meals and claiming CACFP reimbursement from the Tennessee Department of Human Services.
- ii. Ensure that the food service operation is in conformance with Sponsor's Contract with the Tennessee Department of Human Services to participate in CACFP.
- iii. Monitor meals to ensure the food service is in conformance with program regulations.

3. Meals. Vendor will prepare all meals, according to the sample menu attached to this Contract, for after school at-risk CACFP dinners. Vendor will provide out of school time meals for breakfast and lunch when school is not in session, for holidays or in-service days. All orders must be submitted to Vendor one week in advance for these services. Vendor will be responsible for submitting to the State of Tennessee to receive the State's permission to provide breakfast and lunch during out of school time.

4. Emergencies. In the event of unforeseen emergency circumstances, Vendor will immediately notify Sponsor by telephone or e-mail of the following: (a) the impossibility of on-time availability of means; (b) the circumstances precluding pick up of the meals; and (c) a statement of whether or not succeeding service will be affected. Emergency circumstances precluding utilization of meals are the concern of Sponsor. Sponsor may cancel orders provided it gives Vendor 48 hours' notice. Adjustments for emergency situations affecting the Vendor's ability to provide meals, or Sponsor's ability to utilize meals for periods longer than 24 hours will be mutually worked out between Vendor and Sponsor.

5. Reporting: Sponsor is responsible for meal claims, reporting and audits with the State of Tennessee Department of Human Services CACFP. Vendor will submit a monthly invoice based on the delivery/pick up tickets. Each site must report the meal count to the Vendor by 5:00 p.m. each day for the upcoming day. All Monday meal counts will be based on the prior Monday unless otherwise indicated by Sponsor.

6. Nonperformance or Noncompliance. In cases of nonperformance or noncompliance on the part of Vendor, Vendor agrees to pay Sponsor for any excess costs which Sponsor may incur by obtaining meals from another source. Sponsor will notify

Vendor of specific instances of unsatisfactory performance. If Vendor does not immediately take corrective action, Sponsor may negotiate another contract. Vendor shall be liable for any difference in price between the original price and the new contract price.

7. Termination. Either party, may, at any time during the term of this Contract, terminate this Contract by giving the other party thirty (30) days' written notice of its intention to terminate. The Sponsor may terminate this Contract upon written notice if Vendor fails to fully comply with the terms and conditions of this Contract. All notices to the Sponsor shall be addressed to the Sponsor at the address listed on the signature page, and all notices to Vendor shall be addressed to Vendor at the address listed on the signature page.

8. Clean Air Act: The Vendor shall follow all applicable standards, orders, and requirements issued under Section 306 of the Clean Air Act which the United States Congress passed rules to curb pollution. Vendor shall report all violations to the grantor agency and to the USEPA Administrator for Enforcement (EN-329).

9. Conflict of Interest: Vendor's signature on this Contract indicates there is no conflict of interest associated with the award of this Contract. No one employed by the Sponsor is related to or has any other personal or professional relationship with the Vendor and/or his/her family.

10. Certification Regarding Lobbying: The Vendor must submit and sign a certification regarding lobbying. The Vendor states that no appropriated funds may be expended by the recipient of a Federal contract, grant, loan, or cooperative Contract to pay any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with any covered federal actions.

11. Indemnification. Vendor shall indemnify, defend and hold Sponsor harmless against any loss or damage (including reasonable attorney's fees and costs of litigation) caused by Vendor's negligent act or omission, theft by Vendor's employees, or the negligent or intentional acts or omissions of Vendor's agents or employees. Vendor shall defend any suit against Sponsor alleging personal injury or property damage arising out of acts of Vendor's employees, and any suit alleging bodily injury, sickness, or disease arising out of the consumption of the meals prepared by Vendor, and shall be liable for any damages agreed to by the parties or awarded as a result of such litigation. Sponsor will promptly notify Vendor in writing of any claims against Vendor or Sponsor and, in the event a suit is filed, shall promptly forward to Vendor all papers in connection therewith. Vendor shall not incur any expense or make any settlement without Sponsor's consent. However, if Vendor refuses or neglects to defend any such suit, Sponsor may defend, adjust, or settle any claim, and the costs of such defense, adjustment, or settlement, including reasonable attorney's fees shall be charged to Vendor.

12. Availability of Funds. Sponsor will have the option of canceling this Contract if the federal government withdraws funds to support the CACFP. It is further

understood and agreed that, in the event of cancellation of this Contract, Sponsor will be responsible for meals that have already been assembled and picked up by Sponsor in accordance with this Contract.

13. Applicable Law. The laws of the State of Tennessee shall govern this Contract.

15. Nondiscrimination. Vendor agrees to comply with all federal, state, and local nondiscrimination laws and regulations. Vendor agrees not to discriminate against any participant in this Contract on the basis of race, color, religion, sex, age or national origin. Vendor further agrees to comply with all federal, state and local laws regarding treatment and accommodations for individuals with disabilities.

16. Subcontracts and Assignments. Vendor will not subcontract with any other company for the total meal, with or without milk, or for the assembly of the meal; and will not assign, without the advance written consent of Sponsor, this Contract or any interest therein. In the event of any assignment, Vendor will remain liable to Sponsor as principal for the performance of all its obligations under this Contract.

17. Construction and Effect. A waiver of any failure under this Contract shall neither be construed as, nor constitute a waiver of, any subsequent failure. This Contract supersedes all prior negotiations, representations or Contracts. The Article and Paragraph headings are used solely for convenience and shall not be deemed to limit the subject of the Articles and Paragraphs or be considered in their interpretation. This Contract may be executed in several counterparts, each of which shall be deemed an original.

18. Amendments. The Parties cannot alter any provision in this Contract that is required by any law, rule or regulation. The Parties cannot otherwise amend or alter this Contract, except as to minor, nonsubstantive provisions or issues that do not materially affect the scope of work or the cost of the Contract. The Parties must mutually agree, in a written document signed by both parties and attached to this Contract to amend, add, or delete any provision contained herein.

CITY OF CHATTANOOGA

YOUNG MEN'S CHRISTIAN ASSOCIATION ("YMCA")

By: [Signature]
Print Name Jason McKinney
Print Title Deputy Admin
Address: 501 W. 12th St
Chattanooga TN 37402

By: [Signature]
Print Name Rick Madison
Print Title CEO
Address: 301 W 6th Street
Chattanooga, TN

12/13/16
Date

12/12/16
Date

By: Bonnie Woodward
Bonnie Woodward
Director of Purchasing
12/22/16
[Signature]

Approved as to form and legality (but needs exhibit attached)
[Signature]
Chattanooga City Attorney

Exhibit A
CITY OF CHATTANOOGA

Direct all invoices to:
City of Chattanooga
Attn: Accounts Payable
101 E. 11th Street
Chattanooga, TN 37402



PURCHASING OFFICE
101 E. 11th Street, Suite G13
Chattanooga, TN 37402
Phone: 423-643-7230

City of Chattanooga Purchase Order Standard Terms and Conditions

1. **ACCEPTANCE-AGREEMENT.** Contractor's commencement of work on the goods/services subject to the purchase order or shipment/performance of those goods/services, whichever occurs first, is considered an effective mode of Contractor's acceptance of this purchase order. Any acceptance of the purchase order is limited to acceptance of the express terms contained on the face of the purchase order and these terms and conditions. Any proposal for additional or different terms or any attempt by Contractor to vary in any degree any of the terms of this offer in Contractor's acceptance is objected to and rejected, but any proposals do not operate as a rejection of this offer unless the variances are in the terms of the description, quantity, price or delivery schedule of the goods/services, but are considered a material alteration, and this offer will be considered accepted by Contractor without additional or different terms. Additional or different terms or any attempt by Contractor to vary in any degree any of the terms of this purchase order are considered material and are objected to and rejected, but the purchase order does not operate as a rejection of the Contractor's offer unless it contains variances in the terms of the description, quantity, price or delivery schedule of the goods/services.

2. **GOVERNING LAW.** This Agreement shall be governed by the laws of the State of Tennessee and the Codes of the City of Chattanooga ("City").

3. **COMPENSATION AND PAYMENT TERMS.** For the completion of the Work, City shall pay Contractor the contract sum set forth in the purchase order. Payments may be made in amounts which are consistent with percentage of goods/services completed and invoiced by the Contractor as set forth in the purchase order.

The City's delivered payment terms are payment within thirty (30) days except where the law provides otherwise. Payment may be sooner where cash discounts are offered for early payment, however, cash discounts offered will not be considered in determining lowest bidder. In no event will payment be made prior to receipt of an original invoice containing invoice and purchase order numbers and receipt of purchased item(s). The City is not liable for delays in payment caused by failure of the Contractor to send invoice to the address referenced herein.

4. **INSPECTION/TESTING.** Payment for the goods delivered does not constitute acceptance of the goods. City has the right to inspect the goods and to reject any or all of the goods which are in City's judgment defective or nonconforming. Goods rejected and goods supplied in excess of quantities called for may be returned to Contractor at its expense and in addition to City's other rights. City may charge Contractor all expenses of unpacking, examining, repacking and reshipping those goods. In the event City receives goods whose defects or nonconformity is not apparent on examination, City reserves the right to require replacement, as well as payment of damages. Nothing contained in this purchase order will relieve in any way the Contractor from the obligation of testing, inspection and quality control.

5. **PRICE WARRANTY.** Contractor warrants that the prices for the goods or services sold City are not less favorable than those currently extended to any other customer for the same or similar goods or services in similar quantities. In the event Contractor reduces its price for the goods or services during the term of this purchase order, Contractor agrees to reduce the prices charged to City correspondingly. Contractor warrants that prices shown on this purchase order are complete, and no additional charges of any type will be added without City's express written consent. Any additional charges include, but are not limited to, shipping, packaging, labeling, custom duties, taxes, storage, insurance, boxing, crating.

6. **STANDARD OF CARE.** Contractor shall exercise the same degree of care, skill, and diligence in the performance of services as is ordinarily possessed and exercised by a professional Contractor under similar circumstances in the same area of practice. Contractor makes no warranty or guarantee, either expressed or implied, as part of this agreement.

7. **INDEMNIFICATION.** Contractor must defend, indemnify and hold harmless the City against all damages, claims or liabilities and expenses (including attorney's fees) arising out of or resulting in any way from any defect in the goods or services purchased, or from any act or omission of Contractor, its agents, employees or subcontractors.
8. **INSURANCE.** Contractor shall purchase and maintain during the life of this Agreement, insurance coverage which will satisfactorily insure Contractor against claims and liabilities which arise because of the execution of this Agreement, with the minimum insurance coverage as follows:
- a. **Commercial General Liability Insurance**, with a limit of \$1,000,000 for each occurrence and \$2,000,000 in the general aggregate.
 - b. **Automobile Liability Insurance**, with a limit of \$1,000,000 for each accident, combined single limit for bodily injury and property damage.
 - c. **Worker's Compensation Insurance and Employer's Liability Insurance**, in accordance with statutory requirements, with a limit of \$500,000 for each accident.
 - d. **Professional Liability Insurance**, with a limit of \$1,000,000 for each claim and aggregate.

If any of the above cited policies expire during the life of this Agreement, it is the Contractor's responsibility to forward renewal Certificates within ten (10) days after the renewal date containing all the aforementioned insurance provisions. Certificates must specifically cite the following provisions:

- i. City of Chattanooga, its agents, representatives, officers, directors, officials and employees must be named an Additional Insured under the following policies:
 - a) Commercial General Liability
 - b) Auto Liability
 - c) Worker's Compensation Insurance and Employer's Liability Insurance
 - d) Professional Liability Insurance
 - ii. Contractor's insurance must be primary insurance as respects performance of subject contract.
 - iii. All policies, except Professional Liability Insurance, if applicable, waives rights of recovery (subrogation) against City of Chattanooga, its agents, representatives, officers, directors, officials and employees for any claims arising out of work or services performed by Contractor under this Agreement.
9. **LIMITATIONS OF RESPONSIBILITY.** In no event is City liable for anticipated profits or for incidental or consequential damages. City's liability on any claim of any kind for any loss or damage arising out of or in connection with or resulting from this Agreement or from the performance or breach of this Agreement will in no case exceed the unit price allocable to the goods or services which gives rise to the claim. City is not liable for penalties of any description. Any action resulting from any breach of this Agreement by City as to the goods or services delivered must be commenced within one (1) year after the cause of action has accrued.
10. **PROPRIETARY INFORMATION-CONFIDENTIALITY-ADVERTISING.** Contractor must consider all information furnished by City to be confidential and not disclose any information to any other person, or use the information itself for any purpose other than performing this Agreement, unless Contractor obtains written permission from City to do so. This paragraph applies to drawings, specifications, or other documents prepared by Contractor for City in connection with this Agreement. Contractor must not advertise or publish the fact that City has contracted to purchase goods from Contractor, nor is any information relating to the order to be disclosed without City's written permission. No commercial, financial or technical information disclosed in any manner or at any time by Contractor to City is to be considered secret or confidential, unless otherwise agreed in writing, and Contractor has no rights against City with respect to this information except any rights as may exist under patent laws. Contractor recognizes that City's employees have no authority to accept any information in confidence.

11. **RECORDS RETENTION AND AUDIT.** The term "Contractor" is used interchangeably to describe signatories to contracts, grants, and agreements with the City and applies to reflect the relationship with the City (Engineer, Contractor, Licensee, Supplier, Vendor, Contractor, Grant Recipient, etc.)

- a. All records relating in any manner whatsoever to the Project, or any designated portion thereof, which are in the possession of the Contractor, or any of the Contractor's independent contractors, associates, and/or subcontractors, shall be made available for inspection and copying upon written request to the City. Additionally, said records shall be made available upon request by the City to any state, federal or other regulatory authorities and any such authority may review, inspect and copy such records. Said records include, but are not limited to, all plans, specifications, submittals, correspondence, minutes, memoranda, tape recordings, videos, or other writings or things which document the Project, its design, and its construction. Said records expressly include those documents reflecting the time expended by the Contractor and its personnel to perform the obligations of this Agreement, and the records of expenses incurred by the Contractor in its performance under said Agreement. The Contractor shall maintain and protect these records for no less than **seven (7) years** after the completion of the Project, or for any longer period of time as may be required by applicable law, good professional practice, and upon notice during the pendency of any claims or litigation arising from the Project.
- b. The City, or its assigns, may audit all financial and related records (including digital) associated with the terms of the contract or agreement, including timesheets, reimbursable out of pocket expenses, materials, goods and equipment claimed by the Contractor. The City may further audit any of the Contractor's records to conduct performance audits (to identify waste and abuse or to determine efficiency and effectiveness of the contract or agreement), or to identify conflicts of interest.
- c. The Contractor shall at all times during the term of the contract or agreement, and for a period of seven (7) years after the end of the contract, keep and maintain records of the work performed pursuant to this contract or agreement. This shall include proper records of quotations, contracts, correspondence, invoices, vouchers, timesheets, and other documents that support actions taken by the Contractor. Documents shall be maintained by the Contractor, which are necessary to clearly reflect all work and actions taken. All such records shall be maintained in accordance with general accepted accounting principles. The Contractor shall, at its own expense, make such records available for inspection and audit (including copies and extracts of records as required) by the City at all reasonable times and without prior notice.
- d. The obligations of this Section shall be explicitly included in any subcontracts or agreements formed between the Contractor and any subcontractors or suppliers of goods or services to the extent that those subcontracts or agreements relate to fulfillment of the Contractor's obligations to the City.
- e. Costs of any audits conducted under the authority of this section and not addressed elsewhere will be borne by the City, unless the audit identifies significant findings that would benefit the City. The Contractor will reimburse the City for the total costs of an audit that identifies significant findings that would benefit the City.
- f. This Section shall not be construed to limit, revoke, or abridge any other rights, powers, or obligations relating to audit which the City may have by Federal, State, or Municipal law, whether those rights, powers, or obligations are express or implied.

12. **TERMINATION FOR CONVENIENCE.** City reserves the right to terminate this order or any part of this order at its sole convenience with thirty (30) days written notice. In the event of termination, Contractor must immediately stop all work and immediately cause any of its suppliers or subcontractors to cease any further work. Contractor will be paid a reasonable termination charge consisting of a percentage of the order price reflecting the percentage of the work performed before the notice of termination, plus actual direct costs resulting from termination. Contractor will not be paid for any work done after receipt of the notice of termination, nor for any costs incurred by Contractor's suppliers or subcontractors which Contractor could reasonably have avoided. Contractor must not unreasonably anticipate the requirements of this order.

13. **TERMINATION FOR CAUSE.** City may also cancel this order, or any part of this order, with seven (7) days written notice for cause in the event of any default by Contractor, or if Contractor fails to comply with any of the terms and conditions of this offer. Late deliveries, deliveries of products which are defective or which do not conform to this order, and failure to provide City, upon request, with adequate assurances of future performance are all causes allowing City to

cancel this order for cause. In the event of cancellation for cause, City is not liable to Contractor for any amount, and Contractor is liable to City for any and all damages sustained by reason of the default which gave rise to the cancellation. If it should be determined that City has improperly cancelled this contract for a default, the cancellation is considered a termination for convenience.

14. **DISPUTE RESOLUTION.** Claims, disputes, or other matters in question between the parties to this Agreement arising out of or relating to this Agreement, or breach thereof, shall be subject to mediation in Chattanooga, Tennessee, in accordance with the following provisions:

- a. The mediation shall be conducted by a mediator mutually acceptable to both parties.
- b. The parties agree to share equally in the expense of the mediation.
- c. Such mediation may include the Contractor or any other person or entity who may be affected by the subject matter of the dispute.
- d. Unless the parties agree otherwise, mediation shall be a condition precedent to the exercise of any legal remedy other than a proceeding seeking an immediate injunction or restraining order to protect the rights of a party pending litigation. Notwithstanding the issuance of an injunction or restraining order, or the refusal of a court to issue such an order, the dispute shall continue to be subject to mediation.

15. **DELAY IN PERFORMANCE.** Neither City nor Contractor shall be considered in default of the Agreement for delays in performance caused by circumstances beyond the reasonable control of the nonconforming party. For purposes of this Agreement, such circumstances include abnormal weather conditions; floods; earthquakes; fire; epidemics; war, riots, or other civil disturbances; sabotage; judicial restraint; discovery of unanticipated hazardous wastes; and inability to procure permits, licenses, or authorizations from any local, state, or federal agency for any of the supplies, materials, accesses, or services required to be provided by either City or Contractor under this Agreement. Should such circumstances occur, the nonconforming party shall, within a reasonable time of being prevented from performing, give written notice to the other party describing the circumstances preventing continued performance and the efforts being made to resume performance of the Agreement. If the Contractor is delayed in the performance of the services for more than three hundred sixty-five (365) calendar days, either by the City or circumstances beyond his control, an equitable adjustment to the contract amount can be made to compensate for additional costs incurred.

For delays in performance by Contractor caused by circumstances which are within its control, such delays shall be documented and presented to the Purchasing Department at the conclusion of Project and acknowledged by both City and Contractor. Completed form shall be retained by City for a period of seven years and reviewed prior to Contractor selection for future City projects. In the event Contractor is delayed in the performance of Services because of delays caused by City, Contractor shall have no claim against City for damages or contract adjustment other than an extension of time.

16. **HAZARDOUS MATERIALS.** Hazardous materials may exist at a site where there is no reason to believe they could or should be present. The City and Contractor agree that the discovery of unanticipated hazardous materials constitutes a changed condition mandating a renegotiation of the scope of work or termination of services. City and Contractor also agree that the discovery of unanticipated hazardous materials may make it necessary for the Contractor to take immediate measures to protect health and safety. City agrees to compensate Contractor for any equipment decontamination or other costs incident to the discovery of unanticipated hazardous materials.

Contractor agrees to notify City when unanticipated hazardous materials or suspected hazardous materials are encountered. City agrees to make any disclosures required by law to the appropriate governing agencies, and agrees to hold Contractor harmless for any and all consequences of disclosures made by Contractor which are required by governing law. In the event the project site is not owned by City, the City agrees to inform the City of the discovery of unanticipated hazardous materials or suspected hazardous materials.

17. **COMMUNICATIONS.** Any notice to the City shall be made in writing to the address specified below:

City of Chattanooga
Attn: Purchasing

101 E. 11th Street, Suite G13
Chattanooga, TN 37402
(423) 643-7230

Nothing contained in this Article shall be construed to restrict the transmission of routine communications between representatives of Contractor and City.

18. **WAIVER.** A waiver by either City or Contractor of any breach of this Agreement shall be in writing. City's failure to insist on performance of any of the terms or conditions of this purchase order or to exercise any right or privilege, or City's waiver of any breach does not waive any other terms, conditions, or privileges, whether of the same or similar type
19. **SEVERABILITY.** The invalidity, illegality, or unenforceability of any provision of this Agreement or the occurrence of any event rendering any portion or provision of this Agreement void shall in no way affect the validity or enforceability of any other portion or provision of this Agreement. Any void provision shall be deemed severed from this Agreement, and the balance of this Agreement shall be construed and enforced as if this Agreement did not contain the particular portion or provision held to be void. The parties further agree to amend this Agreement to replace any stricken provision with a valid provision that comes as close as possible to the intent of the stricken provision. The provisions of this Article shall not prevent this entire Agreement from being void should a provision which is of the essence of this Agreement be determined void.
20. **INTEGRATION.** This Agreement represents the entire and integrated agreement between City and Contractor. All prior and contemporaneous communications, representations, and agreements by Contractor, whether oral or written, relating to the subject matter of this Agreement, as set forth in the Purchase Order, are hereby incorporated into and shall become a part of this Agreement.
21. **SUCCESSORS AND ASSIGNS.** City and Contractor each binds itself and its directors, officers, partners, successors, executors, administrators, assigns, and legal representatives to the other party of this Agreement and to the directors, officers, partners, successors, executors, administrators, assigns, and legal representatives of such other party in respect to all provisions of this Agreement.
22. **ASSIGNMENT.** Neither City nor Contractor shall assign any rights or duties under this Agreement without the prior written consent of the other party. Unless otherwise stated in the written consent to an assignment, no assignment will release or discharge the assignor from any obligation under this Agreement. Nothing contained in this Article shall prevent Contractor from employing independent Contractors, associates, and subcontractors to assist in the performance of the Services; however, other agreements to the contrary notwithstanding, in the event Contractor employs independent Contractors, associates, and subcontractors to assist in performance of the Services, Contractor shall be solely responsible for the negligent performance of the independent Contractors, associates, and subcontractors so employed.
23. **THIRD PARTY RIGHTS.** Nothing in this Agreement shall be construed to give any rights or benefits to anyone other than City and Contractor.
24. **RELATIONSHIP OF PARTIES.** Nothing contained herein shall be construed to hold or to make the City a partner, joint venturer, or associate of Contractor, nor shall either party be deemed the agent of the other, it being expressly understood and agreed that the relationship between the parties is and shall at all times remain contractual as provided by the terms and conditions of this Agreement.
25. **NON-DISCLOSURE.** Contractor agrees not to disclose or to permit disclosure of any information designated by the City as confidential, except to the Contractor's employees and independent Contractors, associates, and subcontractors who require such information to perform the services specified in this agreement.
26. **NON-DISCRIMINATION.** Contractor agrees to comply with all federal, state, and local non-discrimination laws and regulations. Contractor agrees not to discriminate against any participant in this Agreement on the basis of race, color, religion, sex, age or national origin. Contractor further agrees to comply with all federal, state and local laws regarding treatment and accommodations for individuals with disabilities.

27. **DRUG FREE WORKFORCE.** Contractor certifies that it will provide a drug-free workplace and agrees to comply with the applicable requirements of the Drug-Free Workplace Act of 1988.
28. **FEDERAL OR STATE FUNDING.** In the event that the Project is funded in whole or in part by Federal or State grants, Contractor agrees to abide by all applicable Federal and State laws, regulations, grant conditions and procedures.
29. **COMPLIANCE WITH LAWS.** The City has entered into this agreement with Contractor relying on its knowledge and expertise to provide the services contracted for. As part of that reliance, Contractor represents that he knows and understands the relevant and applicable federal and state laws that apply to the services provided through this contract, and agrees to comply with these relevant and applicable federal and state laws.

The Contractor understands and acknowledges the applicability to it of the American with Disabilities Act, the Immigration Reform and Control Act of 1986, and the Drug Free Workplace Act of 1988.

**Exhibit B
CHILD AND ADULT CARE FOOD PROGRAM
MEAL PATTERN
SCHEDULE B**

FOOD COMPONENTS	BREAKFAST	LUNCH OR SUPPER	SNACK ¹ (choose two of the four)
Milk			
Milk, fluid	1 cup (8 fl. oz.) ²	1 cup (8 fl. oz.) ³	1 cup (8 fl. oz.) ²
Vegetable(s) and/or Fruit(s)			
Vegetable(s) and/or fruit(s) or	1/2 cup	3/4 cup total ⁴	3/4 cup
Full-strength vegetable or fruit juice or	1/2 cup (4 fl. oz.)		3/4 cup (6 fl. oz.)
An equivalent quantity of any combination vegetables(s), fruit(s), and juice			
Grains/Breads⁵			
Bread	1 slice (.9 oz.)	1 slice (.9 oz.)	1 slice (.9 oz.)
Cornbread, biscuits, rolls, muffins, etc., or	1 serving	1 serving	1 serving
Cold dry cereal or	3/4 cup or 1 oz. ⁶		3/4 cup or 1 oz. ⁶
Cooked pasta or noodle product or	1/2 cup	1/2 cup	1/2 cup
Cooked cereal or cereal grains or an equivalent quantity of any combination of bread/bread alternates	1/2 cup	1/2 cup	1/2 cup
Meat/Meat Alternates⁷	(optional)		
Lean meat, poultry, fish or	1 oz.	2 oz.	1 oz.
Cheese or	1 oz.	2 oz.	1 oz.
Cottage cheese or	1/4 cup	1/2 cup	1/4 cup
Eggs or	1 large egg	1 large egg	1 large egg
Cooked dry beans, peas, or	1/4 cup	1/2 cup	1/4 cup
Peanut butter, soy nut butter, seed butters, other nut butters, or	2 Tbsp.	4 Tbsp.	2 Tbsp.
Peanuts, soy nuts, tree nuts, seeds, or	1 oz. ⁷	1 oz. ⁷	1 oz. ⁷
Yogurt, flavored, plain, sweetened, or	1/2 cup (4 fl. oz.)	1 cup (8 fl. oz.)	1/2 cup (4 fl. oz.)
An equivalent quantity of any combination of the above meat/meat alternates	1 oz. total	2 oz. total	1 oz. total

**CHILD AND ADULT CARE FOOD PROGRAM
MEAL PATTERN**

MEAL PATTERN DEFINITIONS

1 SNACKS: Serve two food items. Each food item must be from a different food component. Juice may not be served when milk is served as the only other component. Sweet snack food products should not be served.

2 MILK FOR BREAKFAST: Serve as a beverage, on cereal, or use part of it for each purpose.

3 MILK FOR LUNCH OR SUPPER: Served as a beverage.

4 VEGETABLE/FRUIT FOR LUNCH OR SUPPER: Serve two or more kinds of vegetable(s) and/or fruit(s) or a combination of both. Full-strength vegetable or fruit juice may be counted to meet not more than one-half of this requirement.

5 DEFINITION OF GRAINS/BREADS: Grain products, pasta, noodles and cereal grains (such as rice, bulgur, oats, wheat or corn grits) shall be whole-grain or enriched; cornbread, biscuits, rolls, muffins, etc., shall be made with whole-grain or enriched meal or flour. Cereal including wheat germ, wheat bran, oat bran, etc., shall be whole-grain, enriched or fortified.

A bread serving is considered to be 1 slice of bread equivalent to 25 grams (.9 to 1 oz.) in weight. Instructions for determining the appropriate serving sizes for grain products served as bread alternatives (crackers, pancakes, bulgur, etc.) are found in the United States Department of Agriculture (USDA) or the grains/breads chart for Child Nutrition Programs.


6 QUANTITY OF DRY CEREAL: Use either volume (cup) or weight (oz.) whichever is less, according to the information in the USDA Food Buying Guide.

7 MEAT/MEAT ALTERNATES: No more than 50 percent of the requirement shall be met with nuts or seeds. Nut or seed butter may satisfy 100 percent of the requirement. Whole nuts or seeds shall be combined with another meat/meat alternate to fulfill the requirement. When determining combinations, 1 oz. of nuts or seeds is equal to 1 oz. of cooked lean meat, poultry, or fish; 1/4 cup of cottage cheese is equal to 1 oz. of meat alternate; 1/2 cup of yogurt is equal to 1 oz. of meat/meat alternate.

NOTE: The Meal Pattern (Schedule B) must be strictly adhered to for meals to be reimbursable, unless the Agency has a medical statement on file. The quantities listed represent the minimum Agencies must serve. Larger amounts may be served to accommodate the needs of older children (12 and up).

If infants will be served (under 1 year of age), the Agency must obtain a SFSP Infant Meal Pattern and provide it to the vendor. Younger children may be served smaller quantities. (Refer to Page 4 in the USDA Food Buying Guide).

CERTIFICATION – *The Contractor will comply with all meal and component requirements set forth in the federal regulations, 7 CFR Part 226 and outlined above. The Contractor understand that they may not be paid for any meal provided that does not meet these requirements as stated in the Invitation for Bid and Contract, Section F, Item 7.*

VENDOR SIGNATURE  COO	DATE 10/18/16
---	------------------

SCHEDULE C

SAMPLE COLD MEAL MENU CYCLE

See Attached Supplemental Table

MONDAY Try Something New	TUESDAY Sandwich	WEDNESDAY Wrap	THURSDAY Leafy Green Salad	FRIDAY Fun Day
August 1	2	3	4	5
			11. Italian Chicken Salad Diced Chicken (2 oz) Spring Mix (3/4 cup) Parmesan Cheese (1 oz) 2 Cherry Tomatoes 2 slices of Cucumber Croutons Italian Dressing Fresh Pear Cheddar Goldfish Crackers Low Fat Milk	12. BYO Pizza - Sausage Wholegrain Flatbread Marinara Sauce (1/4 cup) Mozzarella Cheese (1/4 cup) Ground Beef (2 oz) Fresh Orange Carrots (1/4 cup) Ranch Cup Low Fat Milk
15. Pasta Salad Tri-colored Tortellini (1/2 cup) Diced Chicken (2 oz) Corn (1/4 cup) Carrot and Pea Mixture (1/4 cup) Fresh Pear Wholegrain Animal Crackers Low Fat Milk	16. Deluxe Hoagie 5" Sub Bun Turkey Deli Meat (2 oz) Spinach (1/2 cup) 2 slices cucumber 1 slice tomato Provolone Cheese (1 oz) Low Fat Mayo and Mustard Fresh Apple Baked Lays Low Fat Milk	17. Grilled Chicken 10" Tortilla Grilled Chicken (2 oz) Mexican Blend Cheese (1 oz) Spring Mix (1/4 cup) Shredded Carrots (1/4 cup) Fresh Kiwi Goldfish Graham Low Fat Milk	18. Summer Salad Spring Mix (1/2 cup) Mandarin Oranges (1/4 cup) Dried Cranberries (1/4 cup) Mexican Blend Cheese (1/4 cup) Sunflower Seed Packet Ranch Cup Vanilla Yogurt Teddy Grahams Low Fat Milk	19. BYO Pizza – Pepperoni Wholegrain Flatbread Marinara Sauce (1/4 cup) Mozzarella Cheese (1/4 cup) 4 slices Pepperoni (2 oz) Fresh Orange Carrots (1/4 cup) Ranch Cup Low Fat Milk
22. BYO Tuna Salad Flatbread Whole Grain Flatbread Tuna Salad (4 oz) Carrots (1/2 cup) with Ranch Cup Fresh Orange Baked Lays Low Fat Milk	23. Ham Sandwich 2 Slices Whole Wheat Bread Ham Deli Meat (2 oz) Provolone Cheese (1 oz) Spinach (1/2 cup) Low Fat Mayo and Mustard Fresh Pear Pretzels Low Fat Milk	24. Italian Chicken 10" Tortilla Grilled Chicken (2 oz) Parmesan Cheese (1 oz) Spring Mix (1/2 cup) Fresh Broccoli (1/4 cup) Italian Dressing Packet Fresh Apple Wholegrain Animal Crackers Low Fat Milk	25. Taco Salad Spring Mix (1/2 cup) Beef Crumbles (2 oz) Mexican Blend Cheese (1 oz) Fresh Corn (1/4 cup) Salsa Cup Sour Cream packet Tostitos Scoops Chips Fresh Banana Low Fat Milk	26. Jammers Soy Butter and Jam Sandwich Mandarin Orange Cup Side Salad: Spring Mix (3/4 cup) 2 Cherry Tomatoes Shredded Carrots (1/4 cup) Cheese Cubes (1 oz) Ranch Cup Goldfish Graham Low Fat Milk
29. Turkey Wrap 8" Tortilla Turkey Deli Meat (3 pieces) Provolone Cheese (2 oz) Carrots (1/4 cup) Ranch Cup Fresh Banana Teddy Grahams Low Fat Milk	30. Regular Hoagie 5" Sub Bun Turkey Deli Meat (2 oz) Provolone Cheese (1 oz) Spinach (1/2 cup) Low Fat Mayo and Mustard Carrots (1/4 cup) Ranch Cup Fresh Orange Cheddar Goldfish Crackers Low Fat Milk	31. Ham and Cheese 8" Tortilla Ham Deli Meat (2 oz) Provolone Cheese (1 oz) Spinach (1/2 cup) Peach Yogurt Fresh Pear Pretzels Low Fat Milk	September 1. Power Salad Spring Mix (1 cup) Diced Chicken (2 oz) Shredded Carrots (1/4 cup) 2 Cherry Tomatoes Dried Cranberries (1/4 cup) Sunflower Seed Packet Ranch Packet Wholegrain Animal Crackers Fresh Apple Low Fat Milk	2. BYO Pizza - Sausage Wholegrain Flatbread Marinara Sauce (1/4 cup) Mozzarella Cheese (1/4 cup) Ground Beef (2 oz) Fresh Orange Carrots (1/4 cup) Ranch Cup Low Fat Milk

<p>5. Labor Day HOLIDAY</p>	<p>6. Jammers Soy Butter and Jam Sandwich Mandarin Orange Cup Side Salad: Spring Mix (3/4 cup) 2 Cherry Tomatoes Shredded Carrots (1/4 cup) Cheese Cubes (1 oz) Ranch Cup Goldfish Graham Low Fat Milk</p>	<p>7. Southwest Chick 10" Tortilla Grilled Chicken (2 oz.) Mexican Blend Cheese (1oz) Spring Salad Mix (1/4 cup) Fresh Corn (1/4 cup) Fresh Pear Tostitos Scoops Salsa Low Fat Milk</p>	<p>8. Ham Sandwich 2 Slices Whole Wheat Bread Ham Deli Meat (2 oz.) Provolone Cheese (1 oz.) Spinach (1/2 cup) Low Fat Mayo and Mustard Side Salad: Spring Mix (3/4 cup) 2 Cherry Tomatoes Shredded Carrots (1/4 cup) Fresh Fruit Cheddar Goldfish Low Fat Milk</p>	<p>9. Cranberry Chicken Wrap 10" Tortilla Grilled Chicken (2 oz.) Dried Cranberries (1/4 cup) Spinach (1/4 cup) Cheese (Provolone/ Parmesan) Fresh Fruit Carrots with ranch cup Tortilla Scoops Salsa Low Fat Milk</p>
<p>12. Pasta Salad Cooked Pasta (1/2 cup) Diced Chicken (2 oz) Corn (1/4 cup) Peas (1/4 cup) Diced Carrots (1/4 cup) Fresh Pear Wholegrain Animal Crackers Low Fat Milk</p>	<p>13. Turkey Sandwich 2 slices Whole Wheat Bread Turkey Deli Meat (2 oz) Provolone Cheese (1 oz) Spinach (1/2 cup) Fresh Apple Carrots with Ranch Cup Low Fat Mayo and Mustard Wholegrain Teddy Grahams Low Fat Milk</p>	<p>14. Beef Burrito 10" Tortilla Beef crumbles (2 oz) Mexican Blend Cheese (1 oz) Green Bell Peppers (1/4 cup) Spring Mix (1/2 cup) Fresh Banana Peach Yogurt Low Fat Milk</p>	<p>15. Italian Chicken Salad Diced Chicken (2 oz) Spring Mix (3/4 cup) Parmesan Cheese (1 oz) 2 Cherry Tomatoes 2 slices of Cucumber Croutons Italian Dressing Fresh Pear Cheddar Goldfish Crackers Low Fat Milk</p>	<p>16. BYO Pizza – Pepperoni Wholegrain Flatbread Marinara Sauce (1/4 cup) Mozzarella Cheese (1/4 cup) 4 slices Pepperoni (2 oz) Fresh Orange Carrots (1/4 cup) Ranch Cup Low Fat Milk</p>
<p>19. BYO Tuna Salad Flatbread Whole Grain Flatbread Tuna Salad (4 oz) Low Fat Mayo Packet Fresh Broccoli (1/2 cup) Ranch Cup Fresh Orange Baked Lays Low Fat Milk</p>	<p>20. Deluxe Hoagie 5" Sub Bun Turkey Deli Meat (2 oz) Spinach (1/2 cup) 2 slices cucumber 1 slice tomato Provolone Cheese (1 oz) Low Fat Mayo and Mustard Fresh Apple Baked Lays Low Fat Milk</p>	<p>21. Grilled Chick 10" Tortilla Grilled Chicken (2 oz) Mexican Blend Cheese (1 oz) Spring Mix (1/4 cup) Shredded Carrots (1/4 cup) Fresh Kiwi Goldfish Graham Low Fat Milk</p>	<p>22. Summer Salad Spring Mix (1/2 cup) Mandarin Oranges (1/4 cup) Dried Cranberries (1/4 cup) Mexican Blend Cheese (1/4 cup) Sunflower Seed Packet Ranch Cup Vanilla Yogurt Teddy Grahams Low Fat Milk</p>	<p>23. Jammers Soy Butter and Jam Sandwich Mandarin Orange Cup Side Salad: Spring Mix (3/4 cup) 2 Cherry Tomatoes Shredded Carrots (1/4 cup) Cheese Cubes (1 oz) Ranch Cup Goldfish Graham Low Fat Milk</p>
<p>26. Turkey Wrap Whole Wheat Tortilla 8" Turkey Deli Meat (3 pieces) Provolone Cheese (2 oz) Carrots (1/4 cup) Ranch Cup Fresh Banana Teddy Grahams Low Fat Milk</p>	<p>27. Ham Sandwich 2 Slices Whole Wheat Bread Ham Deli Meat (2 oz) Provolone Cheese (1 oz) Spinach (1/2 cup) Low Fat Mayo and Mustard Fresh Pear Pretzels Low Fat Milk</p>	<p>28. Italian Chicken 10" Tortilla Grilled Chicken (2 oz) Parmesan Cheese (1 oz) Spring Mix (1/2 cup) Fresh Broccoli (1/4 cup) Italian Dressing Packet Fresh Apple Wholegrain Animal Crackers Low Fat Milk</p>	<p>29. Taco Salad Spring Mix (1/2 cup) Beef Crumbles (2 oz) Mexican Blend Cheese (1 oz) Fresh Corn (1/4 cup) Salsa Cup Sour Cream packet Tostitos Scoops Chips Fresh Banana Low Fat Milk</p>	<p>30. BYO Pizza - Sausage Wholegrain Flatbread Marinara Sauce (1/4 cup) Mozzarella Cheese (1/4 cup) Ground Beef (2 oz) Fresh Orange Carrots (1/4 cup) Ranch Cup Low Fat Milk</p>

NOTE: * *menu items subject to change depending on vendor/supplier availability can substitute celery sticks, baby carrots, tomatoes + can substitute other fresh fruits – apples, bananas, orange, grapes, etc.



City of Chattanooga

Mayor Andy Berke

February 13, 2019

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

Subject: Contract Renewal of Blanket PO No. 542101 – Standard Valves – Waste Resource Division – Public Works Department

Dear Mr. Holland:

Council approval is recommended to renew Blanket PO No. 542101 for Standard Valves, Waste Resource Division, Public Works Department. The City of Chattanooga is renewing the second (2nd) and last renewal option for twelve (12) months through February, 2020, for an estimated annual amount of \$175,000. A copy of the contract is enclosed. This renewal will also include a price increase.

The original invitation to bid was sent to ten (10) vendors as well as formally advertised. Bids were received from five (5) vendors. Bids are retained on file in the Purchasing Office for your review upon request.

I recommend renewing Blanket PO No. 542101 for Standard Valves to Consolidated Pipe & Supply Company, 7724 Bellcamp Pike, Knoxville, TN 37931.

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: 749714 Vendor Alternate ID: 14545
	Consolidated Pipe & Supply 7724 Ballcamp Pike Knoxville, TN 37931

PO Date: 08-FEB-17 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 542101
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	
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
Requisition No.: 147438 Ordering Dept.: Waste Resources Buyer: Geoffrey Hipp 423-643-7233 ***** DESCRIPTION: This shall be a twelve (12) month blanket contract for Standard Valves for the Waste Resources Division. The contract may be renewed for two (2) additional twelve (12) month terms under the same Terms and Conditions by Mutual Agreement. The City of Chattanooga and the Contractor may bilaterally extend the contract by Written Confirmation by both parties at least 30 days prior to the contract's current expiration date into any successive term as provided herein. ***** NOTES: The bid submitted by Consolidated Pipe & Supply Co., Inc, dated 1-18-17 is hereby made a part of this contract. Payment Terms: Net 30 days Delivery Terms: As Needed ***** PRICE ESCALATION CLAUSE: All prices under this contract shall remain fixed during each twelve (12) month contract period. If as a result of a general change in prices or discounts, the contractor has changed prices to all of its customers, then, at the time of contract renewal, the price under this contract may be adjusted accordingly after acceptance. All price increases must be justified by providing a copy of the prevailing labor wage or material cost increases. Prompt notice of price changes (increases or reductions) must be furnished to the Purchasing Agent at least 30 days prior to the requested effective date and the prices for these services/materials shall remain firm for twelve (12) months. The effective date of price increases shall be the date the Purchasing Agent accepts the price changes or the effective date of increase stated by contractor's notice to Purchasing Agent, whichever is later. ***** APPROVED BY CITY COUNCIL ON FEBRUARY 7, 2017 ***** CONTRACT BEGINNING/ENDING DATES: 2-9-2017 TO 2-9-2018 ***** Vendor Contact: Cole Patty Phone: 423-493-9500 Fax: 423-493-9502					

***** 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: 749714 Vendor Alternate ID: 14545 Consolidated Pipe & Supply 7724 Ballcamp Pike Knoxville, TN 37931
--	--

PO Date: 08-FEB-17 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 542101 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
Line Nbr	Item ID - Item Description	Quantity	Unit Price
	Change Order #1		Total
..... Contract has been extended an additional twelve (12) months. The new contract performance date is February 8, 2019. City Council approved on January 9, 2018. 1st Renewal			

***** 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: 749714 Vendor Alternate ID: 14545
	Consolidated Pipe & Supply 7724 Ballcamp Pike Knoxville, TN 37931

PO Date: 08-FEB-17 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 542101 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
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
1	Gate Valve, Brass, 1/4", Threaded	0.00	Each	\$ 4.1000	\$ 0.00
2	Gate Valve, Brass, 3/8", Threaded	0.00	Each	\$ 3.8000	\$ 0.00
3	Gate Valve, Brass, 1/2", Threaded	0.00	Each	\$ 3.9000	\$ 0.00
4	Gate Valve, Brass, 3/4", Threaded	0.00	Each	\$ 5.2800	\$ 0.00
5	Gate Valve, Brass, 1", Threaded	0.00	Each	\$ 7.7900	\$ 0.00
6	Gate Valve, Brass, 1-1/4", Threaded	0.00	Each	\$ 10.6100	\$ 0.00
7	Gate Valve, Brass, 1-1/2", Threaded	0.00	Each	\$ 13.8900	\$ 0.00
8	Gate Valve, Brass, 2", Threaded	0.00	Each	\$ 21.1500	\$ 0.00
9	Gate Valve, Brass, 2-1/2", Threaded	0.00	Each	\$ 36.9500	\$ 0.00
10	Gate Valve, Brass, 3", Threaded	0.00	Each	\$ 51.9000	\$ 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: 749714 Vendor Alternate ID: 14545
	Consolidated Pipe & Supply 7724 Ballcamp Pike Knoxville, TN 37931

PO Date: 08-FEB-17 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 542101 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
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
11	Ball Valve, Brass, 1/4", Threaded	0.00	Each	\$ 2.4900	\$ 0.00
12	Ball Valve, Brass, 3/8", Threaded	0.00	Each	\$ 2.1900	\$ 0.00
13	Ball Valve, Brass, 1/2", Threaded	0.00	Each	\$ 3.6400	\$ 0.00
14	Ball Valve, Brass, 3/4", Threaded	0.00	Each	\$ 5.2900	\$ 0.00
15	Ball Valve, Brass, 1", Threaded	0.00	Each	\$ 8.3000	\$ 0.00
16	Ball Valve, Brass, 1-1/4", Threaded	0.00	Each	\$ 13.7400	\$ 0.00
17	Ball Valve, Brass, 1-1/2", Threaded	0.00	Each	\$ 18.4900	\$ 0.00
18	Ball Valve, Brass, 2", Threaded	0.00	Each	\$ 28.1700	\$ 0.00
19	Ball Valve, Brass, 2-1/2", Threaded	0.00	Each	\$ 67.1500	\$ 0.00
20	Ball Valve, Brass, 3", Threaded	0.00	Each	\$ 94.9500	\$ 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: 749714 Vendor Alternate ID: 14545
	Consolidated Pipe & Supply 7724 Ballcamp Pike Knoxville, TN 37931

PO Date: 08-FEB-17 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 542101 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
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
21	Ball Check Valve, PVC SCH 80, 1/2", Tru-Union	0.00	Each	\$ 26.2000	\$ 0.00
22	Ball Check Valve, PVC SCH 80, 3/4", Tru-Union	0.00	Each	\$ 31.1000	\$ 0.00
23	Ball Check Valve, PVC SCH 80, 1", Tru-Union	0.00	Each	\$ 37.4900	\$ 0.00
24	Ball Check Valve, PVC SCH 80, 1-1/2", Tru-Union	0.00	Each	\$ 62.2500	\$ 0.00
25	Ball Check Valve, PVC SCH 80, 2", Tru-Union	0.00	Each	\$ 85.4900	\$ 0.00
26	Ball Check Valve, PVC SCH 80, 3", Tru-Union	0.00	Each	\$ 240.2900	\$ 0.00
27	Ball Valve, PVC SCH 80, 1/2", Tru-Union	0.00	Each	\$ 4.6000	\$ 0.00
28	Ball Valve, PVC SCH 80, 3/4", Tru-Union	0.00	Each	\$ 6.2000	\$ 0.00
29	Ball Valve, PVC SCH 80, 1", Tru-Union	0.00	Each	\$ 8.9500	\$ 0.00
30	Ball Valve, PVC SCH 80, 1-1/2", Tru-Union	0.00	Each	\$ 14.9100	\$ 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: 749714 Vendor Alternate ID: 14545
	Consolidated Pipe & Supply 7724 Ballcamp Pike Knoxville, TN 37931

PO Date: 08-FEB-17 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 542101 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
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
31	Ball Valve, PVC SCH 80, 2", Tru-Union	0.00	Each	\$ 20.4900	\$ 0.00
32	Ball Valve, PVC SCH 80, 2-1/2", Tru-Union	0.00	Each	\$ 102.7900	\$ 0.00
33	Ball Valve, PVC SCH 80, 3", Tru-Union	0.00	Each	\$ 57.9200	\$ 0.00
34	Swing Check Valve, Brass, Y, 1/2", Threaded	0.00	Each	\$ 7.9900	\$ 0.00
35	Swing Check Valve, Brass, Y, 3/4", Threaded	0.00	Each	\$ 12.3500	\$ 0.00
36	Swing Check Valve, Brass, Y, 1", Threaded	0.00	Each	\$ 18.0500	\$ 0.00
37	Swing Check Valve, Brass, Y, 1-1/2", Threaded	0.00	Each	\$ 35.4900	\$ 0.00
38	Swing Check Valve, Brass, Y, 2", Threaded	0.00	Each	\$ 52.4900	\$ 0.00
39	Swing Check Valve, Brass, T, 1/4", Threaded	0.00	Each	\$ 6.4000	\$ 0.00
40	Swing Check Valve, Brass, T, 3/8", Threaded	0.00	Each	\$ 6.3200	\$ 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: 749714 Vendor Alternate ID: 14545
	Consolidated Pipe & Supply 7724 Ballcamp Pike Knoxville, TN 37931

PO Date: 08-FEB-17 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 542101
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
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
41	Swing Check Valve, Brass, T, 1/2", Threaded	0.00	Each	\$ 4.5900	\$ 0.00
42	Swing Check Valve, Brass, T, 3/4", Threaded	0.00	Each	\$ 5.8500	\$ 0.00
43	Swing Check Valve, Brass, T, 1", Threaded	0.00	Each	\$ 7.7200	\$ 0.00
44	Swing Check Valve, Brass, T, 1-1/2", Threaded	0.00	Each	\$ 15.0900	\$ 0.00
45	Swing Check Valve, Brass, T, 2", Threaded	0.00	Each	\$ 24.8100	\$ 0.00
46	Swing Check Valve, Brass, T, 2-1/2", Threaded	0.00	Each	\$ 44.9100	\$ 0.00
47	Swing Check Valve, Brass, T, 3", Threaded	0.00	Each	\$ 62.9600	\$ 0.00
48	Plug Valve, Dezurik, 4", Flange, PEC-4-F1-C1-NBR-NBRD-GS-6-HD8-0	0.00	Each	\$ 518.0000	\$ 0.00
49	Plug Valve, Dezurik, 6", Flange, PEC-6-F1-C1-NBR-NBRD-GS-6-HD8-0	0.00	Each	\$ 771.0000	\$ 0.00
50	Plug Valve, Dezurik, 8", Flange, PEC-8-F1-C1-NBR-NBRD-GS-6-HD8-0	0.00	Each	\$ 999.0000	\$ 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: 749714 Vendor Alternate ID: 14545
	Consolidated Pipe & Supply 7724 Ballcamp Pike Knoxville, TN 37931

PO Date: 08-FEB-17 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 542101 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
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
51	Plug Valve, Dezurik, 10", Flange, PEC-10-F1-C1-NBR-NBRD-GS-6-HD12-0	0.00	Each	\$ 1,695.0000	\$ 0.00
52	Plug Valve, Dezurik, 12", Flange, PEC-12-F1-C1-NBR-NBRD-GS-6-HD12-0	0.00	Each	\$ 2,113.0000	\$ 0.00
53	Plug Valve, Dezurik, 14", Flange, PEC-14-F1-C1-NBR-NBRD-GS-6-HD16-0	0.00	Each	\$ 3,109.0000	\$ 0.00
54	Plug Valve, Dezurik, 4" PLUG ONLY	0.00	Each	\$ 310.0000	\$ 0.00
55	Plug Valve, Dezurik, 6" PLUG ONLY	0.00	Each	\$ 369.0000	\$ 0.00
56	Plug Valve, Dezurik, 8" PLUG ONLY	0.00	Each	\$ 565.0000	\$ 0.00
57	Plug Valve, Dezurik, 10" PLUG ONLY	0.00	Each	\$ 1,267.0000	\$ 0.00
58	Plug Valve, Dezurik, 12" PLUG ONLY	0.00	Each	\$ 1,512.0000	\$ 0.00
59	Plug Valve, Dezurik, 14" PLUG ONLY	0.00	Each	\$ 2,849.0000	\$ 0.00
60	Air Release Valve, ARI D020, 2"	0.00	Each	\$ 2,680.0000	\$ 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: 749714 Vendor Alternate ID: 14545
	Consolidated Pipe & Supply 7724 Ballcamp Pike Knoxville, TN 37931

PO Date: 08-FEB-17 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 542101 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
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total
61	Air Release Valve, ARI D020, 4"	0.00	Each	\$ 3,979.0000	\$ 0.00
62	Air Release Valve, ARI D020, 6"	0.00	Each	\$ 4,795.0000	\$ 0.00
63	Air Release Valve, ARI D020, 8"	0.00	Each	\$ 4,998.0000	\$ 0.00
64	Asahi Valve, CPVC, 1-1/2", VPN 1532015	0.00	Each	\$ 512.9400	\$ 0.00
65	Asahi Valve, O-ring, Viton, VPN 3325015	0.00	Each	\$ 22.4400	\$ 0.00
66	14% Markup for Valves Not Listed	0.00	Each	\$ 1.0000	\$ 0.00

TOTAL: \$.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.

Standard Valves
Req# 147438, Bid No. 304545

**Consolidated Pipe &
 Supply Company**

LINE	CLASS-ITEM	UNIT OF MEASURE	2018 UNIT PRICE	UNIT OF MEASURE	2019 UNIT PRICE
1	Gate Valve, Brass, 1/4", Threaded	Each	\$ 4.10	Each	\$ 4.79
2	Gate Valve, Brass, 3/8", Threaded	Each	\$ 3.80	Each	\$ 4.79
3	Gate Valve, Brass, 1/2", Threaded	Each	\$ 3.90	Each	\$ 4.79
4	Gate Valve, Brass, 3/4", Threaded	Each	\$ 5.28	Each	\$ 6.49
5	Gate Valve, Brass, 1", Threaded	Each	\$ 7.79	Each	\$ 9.40
6	Gate Valve, Brass, 1-1/4", Threaded	Each	\$ 10.61	Each	\$ 12.95
7	Gate Valve, Brass, 1-1/2", Threaded	Each	\$ 13.89	Each	\$ 17.98
8	Gate Valve, Brass, 2", Threaded	Each	\$ 21.15	Each	\$ 25.65
9	Gate Valve, Brass, 2-1/2", Threaded	Each	\$ 36.95	Each	\$ 45.25
10	Gate Valve, Brass, 3", Threaded	Each	\$ 51.90	Each	\$ 68.20
11	Ball Valve, Brass, 1/4", Threaded	Each	\$ 2.49	Each	\$ 2.79
12	Ball Valve, Brass, 3/8", Threaded	Each	\$ 2.19	Each	\$ 2.79
13	Ball Valve, Brass, 1/2", Threaded	Each	\$ 3.64	Each	\$ 4.29
14	Ball Valve, Brass, 3/4", Threaded	Each	\$ 5.29	Each	\$ 6.40
15	Ball Valve, Brass, 1", Threaded	Each	\$ 8.30	Each	\$ 9.75
16	Ball Valve, Brass, 1-1/4", Threaded	Each	\$ 13.74	Each	\$ 16.45
17	Ball Valve, Brass, 1-1/2", Threaded	Each	\$ 18.49	Each	\$ 21.50
18	Ball Valve, Brass, 2", Threaded	Each	\$ 28.17	Each	\$ 33.25
19	Ball Valve, Brass, 2-1/2", Threaded	Each	\$ 67.15	Each	\$ 82.40
20	Ball Valve, Brass, 3", Threaded	Each	\$ 94.95	Each	\$ 130.00
21	Ball Check Valve, PVX SCH 80, 1/2", Tru-Union	Each	\$ 26.20	Each	\$ 26.20

22	Ball Check Valve, PVX SCH 80, 3/4", Tru-Union	Each	\$	31.10	Each	\$	31.10	\$	-
23	Ball Check Valve, PVX SCH 80, 1", Tru-Union	Each	\$	37.49	Each	\$	37.49	\$	-
24	Ball Check Valve, PVX SCH 80, 1-1/2", Tru-Union	Each	\$	62.25	Each	\$	62.25	\$	-
25	Ball Check Valve, PVX SCH 80, 2", Tru-Union	Each	\$	85.49	Each	\$	85.49	\$	-
26	Ball Check Valve, PVX SCH 80, 3", Tru-Union	Each	\$	240.29	Each	\$	240.29	\$	-
27	Ball Valve, PVC SCH 80, 1/2", Tru-Union	Each	\$	4.90	Each	\$	4.90	\$	0.30
28	Ball Valve, PVC SCH 80, 3/4", Tru-Union	Each	\$	6.80	Each	\$	6.80	\$	0.60
29	Ball Valve, PVC SCH 80, 1", Tru-Union	Each	\$	9.90	Each	\$	9.90	\$	0.95
30	Ball Valve, PVC SCH 80, 1-1/2", Tru-Union	Each	\$	15.98	Each	\$	15.98	\$	1.07
31	Ball Valve, PVC SCH 80, 2", Tru-Union	Each	\$	22.90	Each	\$	22.90	\$	2.41
32	Ball Valve, PVC SCH 80, 2-1/2", Tru-Union	Each	\$	36.50	Each	\$	36.50	\$	(66.29)
33	Ball Valve, PVC SCH 80, 3", Tru-Union	Each	\$	64.00	Each	\$	64.00	\$	6.08
34	Swing Check Valve, Brass, Y, 1/2", Threaded	Each	\$	9.98	Each	\$	9.98	\$	1.99
35	Swing Check Valve, Brass, Y, 3/4", Threaded	Each	\$	15.25	Each	\$	15.25	\$	2.90
36	Swing Check Valve, Brass, Y, 1", Threaded	Each	\$	21.65	Each	\$	21.65	\$	3.60
37	Swing Check Valve, Brass, Y, 1-1/2", Threaded	Each	\$	44.98	Each	\$	44.98	\$	9.49
38	Swing Check Valve, Brass, Y, 2", Threaded	Each	\$	66.50	Each	\$	66.50	\$	14.01
39	Swing Check Valve, Brass, T, 1/4", Threaded	Each	\$	7.49	Each	\$	7.49	\$	1.09
40	Swing Check Valve, Brass, T, 3/8", Threaded	Each	\$	7.49	Each	\$	7.49	\$	1.17
41	Swing Check Valve, Brass, T, 1/2", Threaded	Each	\$	5.59	Each	\$	5.59	\$	1.00
42	Swing Check Valve, Brass, T, 3/4", Threaded	Each	\$	6.98	Each	\$	6.98	\$	1.13
43	Swing Check Valve, Brass, T, 1", Threaded	Each	\$	9.40	Each	\$	9.40	\$	1.68
44	Swing Check Valve, Brass, T, 1-1/2", Threaded	Each	\$	18.50	Each	\$	18.50	\$	3.41
45	Swing Check Valve, Brass, T, 2", Threaded	Each	\$	29.98	Each	\$	29.98	\$	5.37
46	Swing Check Valve, Brass, T, 2-1/2", Threaded	Each	\$	52.00	Each	\$	52.00	\$	7.09

47	Swing Check Valve, Brass, T, 3", Threaded	Each	\$	62.96	Each	\$	74.00	\$	11.04
48	Plug Valve, Dezurik, 4", Flange, PEC-4-F1-C1-NBR-NBRD-GS-6-HD8-0	Each	\$	518.00	Each	\$	585.00	\$	67.00
49	Plug Valve, Dezurik, 6", Flange, PEC-6-F1-C1-NBR-NBRD-GS-6-HD8-0	Each	\$	771.00	Each	\$	840.00	\$	69.00
50	Plug Valve, Dezurik, 8", Flange, PEC-8-F1-C1-NBR-NBRD-GS-6-HD8-0	Each	\$	999.00	Each	\$	1,205.00	\$	206.00
51	Plug Valve, Dezurik, 10", Flange, PEC-10-F1-C1-NBR-NBRD-GS-6-HD12-0	Each	\$	1,695.00	Each	\$	1,840.00	\$	145.00
52	Plug Valve, Dezurik, 12", Flange, PEC-12-F1-C1-NBR-NBRD-GS-6-HD12-0	Each	\$	2,113.00	Each	\$	2,320.00	\$	205.00
53	Plug Valve, Dezurik, 14", Flange, PEC-14-F1-C1-NBR-NBRD-GS-6-HD16-0	Each	\$	3,109.00	Each	\$	3,490.00	\$	381.00
54	Plug Valve, Dezurik, 4", Plug Only	Each	\$	310.00	Each	\$	310.00	\$	-
55	Plug Valve, Dezurik, 6", Plug Only	Each	\$	369.00	Each	\$	369.00	\$	-
56	Plug Valve, Dezurik, 8", Plug Only	Each	\$	565.00	Each	\$	565.00	\$	-
57	Plug Valve, Dezurik, 10", Plug Only	Each	\$	1,267.00	Each	\$	1,267.00	\$	-
58	Plug Valve, Dezurik, 12", Plug Only	Each	\$	1,512.00	Each	\$	1,512.00	\$	-
59	Plug Valve, Dezurik, 14", Plug Only	Each	\$	2,849.00	Each	\$	2,849.00	\$	-
60	Air Release Valve, ARI D020, 2"	Each	\$	2,680.00	Each	\$	2,680.00	\$	-
61	Air Release Valve, ARI D020, 4"	Each	\$	3,979.00	Each	\$	4,120.00	\$	141.00
62	Air Release Valve, ARI D020, 6"	Each	\$	4,795.00	Each	\$	4,890.00	\$	95.00
63	Air Release Valve, ARI D020, 8"	Each	\$	4,998.00	Each	\$	5,087.00	\$	89.00
64	Asahi Valve, CPVC, 1-1/2", VPN 1532015	Each	\$	512.94	Each	\$	512.94	\$	-
65	Asahi Valve, O-Ring, Viton, VPN 3325015	Each	\$	22.44	Each	\$	22.44	\$	-
			\$	34,471.66	\$	35,987.88	\$	6.0%	

Purchase Order BLANKET



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

V E N D O R	Vendor Number: 749714 Vendor Alternate ID: 14545
	Consolidated Pipe & Supply 7724 Ballcamp Pike Knoxville, TN 37931

PO Date: 08-FEB-17 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 542101
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: 5%;">Line Nbr</th> <th style="width: 10%;">Item ID</th> <th style="width: 45%;">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> <tbody> <tr> <td colspan="7" style="padding: 5px;"> Requisition No.: 147438 Ordering Dept.: Waste Resources Buyer: Geoffrey Hipp 423-643-7233 ***** DESCRIPTION: This shall be a twelve (12) month blanket contract for Standard Valves for the Waste Resources Division. The contract may be renewed for two (2) additional twelve (12) month terms under the same Terms and Conditions by Mutual Agreement. The City of Chattanooga and the Contractor may bilaterally extend the contract by Written Confirmation by both parties at least 30 days prior to the contract's current expiration date into any successive term as provided herein. ***** NOTES: The bid submitted by Consolidated Pipe & Supply Co., Inc. dated 1-18-17 is hereby made a part of this contract. Payment Terms: Net 30 days Delivery Terms: As Needed ***** PRICE ESCALATION CLAUSE: All prices under this contract shall remain fixed during each twelve (12) month contract period. If as a result of a general change in prices or discounts, the contractor has changed prices to all of its customers, then, at the time of contract renewal, the price under this contract may be adjusted accordingly after acceptance. All price increases must be justified by providing a copy of the prevailing labor wage or material cost increases. Prompt notice of price changes (increases or reductions) must be furnished to the Purchasing Agent at least 30 days prior to the requested effective date and the prices for these services/materials shall remain firm for twelve (12) months. The effective date of price increases shall be the date the Purchasing Agent accepts the price changes or the effective date of increase stated by contractor's notice to Purchasing Agent, whichever is later. ***** APPROVED BY CITY COUNCIL ON FEBRUARY 7, 2017 ***** CONTRACT BEGINNING/ENDING DATES: 2-9-2017 TO 2-9-2018 ***** Vendor Contact: Cole Paity Phone: 423-493-9500 Fax: 423-493-9502 </td> </tr> </tbody> </table>			Line Nbr	Item ID	Item Description	Quantity	Unit	Unit Price	Total	Requisition No.: 147438 Ordering Dept.: Waste Resources Buyer: Geoffrey Hipp 423-643-7233 ***** DESCRIPTION: This shall be a twelve (12) month blanket contract for Standard Valves for the Waste Resources Division. The contract may be renewed for two (2) additional twelve (12) month terms under the same Terms and Conditions by Mutual Agreement. The City of Chattanooga and the Contractor may bilaterally extend the contract by Written Confirmation by both parties at least 30 days prior to the contract's current expiration date into any successive term as provided herein. ***** NOTES: The bid submitted by Consolidated Pipe & Supply Co., Inc. dated 1-18-17 is hereby made a part of this contract. Payment Terms: Net 30 days Delivery Terms: As Needed ***** PRICE ESCALATION CLAUSE: All prices under this contract shall remain fixed during each twelve (12) month contract period. If as a result of a general change in prices or discounts, the contractor has changed prices to all of its customers, then, at the time of contract renewal, the price under this contract may be adjusted accordingly after acceptance. All price increases must be justified by providing a copy of the prevailing labor wage or material cost increases. Prompt notice of price changes (increases or reductions) must be furnished to the Purchasing Agent at least 30 days prior to the requested effective date and the prices for these services/materials shall remain firm for twelve (12) months. The effective date of price increases shall be the date the Purchasing Agent accepts the price changes or the effective date of increase stated by contractor's notice to Purchasing Agent, whichever is later. ***** APPROVED BY CITY COUNCIL ON FEBRUARY 7, 2017 ***** CONTRACT BEGINNING/ENDING DATES: 2-9-2017 TO 2-9-2018 ***** Vendor Contact: Cole Paity Phone: 423-493-9500 Fax: 423-493-9502						
Line Nbr	Item ID	Item Description	Quantity	Unit	Unit Price	Total										
Requisition No.: 147438 Ordering Dept.: Waste Resources Buyer: Geoffrey Hipp 423-643-7233 ***** DESCRIPTION: This shall be a twelve (12) month blanket contract for Standard Valves for the Waste Resources Division. The contract may be renewed for two (2) additional twelve (12) month terms under the same Terms and Conditions by Mutual Agreement. The City of Chattanooga and the Contractor may bilaterally extend the contract by Written Confirmation by both parties at least 30 days prior to the contract's current expiration date into any successive term as provided herein. ***** NOTES: The bid submitted by Consolidated Pipe & Supply Co., Inc. dated 1-18-17 is hereby made a part of this contract. Payment Terms: Net 30 days Delivery Terms: As Needed ***** PRICE ESCALATION CLAUSE: All prices under this contract shall remain fixed during each twelve (12) month contract period. If as a result of a general change in prices or discounts, the contractor has changed prices to all of its customers, then, at the time of contract renewal, the price under this contract may be adjusted accordingly after acceptance. All price increases must be justified by providing a copy of the prevailing labor wage or material cost increases. Prompt notice of price changes (increases or reductions) must be furnished to the Purchasing Agent at least 30 days prior to the requested effective date and the prices for these services/materials shall remain firm for twelve (12) months. The effective date of price increases shall be the date the Purchasing Agent accepts the price changes or the effective date of increase stated by contractor's notice to Purchasing Agent, whichever is later. ***** APPROVED BY CITY COUNCIL ON FEBRUARY 7, 2017 ***** CONTRACT BEGINNING/ENDING DATES: 2-9-2017 TO 2-9-2018 ***** Vendor Contact: Cole Paity Phone: 423-493-9500 Fax: 423-493-9502																

***** 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: 749714 Vendor Alternate ID: 14545
	Consolidated Pipe & Supply 7724 Ballcamp Pike Knoxville, TN 37931

PO Date: 08-FEB-17 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 542101 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	
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total	
1	Gate Valve, Brass, 1/4", Threaded	0.00	Each	\$ 4.1000	4.99	\$ 0.00
2	Gate Valve, Brass, 3/8", Threaded	0.00	Each	\$ 3.8000	4.79	\$ 0.00
3	Gate Valve, Brass, 1/2", Threaded	0.00	Each	\$ 3.9000	4.79	\$ 0.00
4	Gate Valve, Brass, 3/4", Threaded	0.00	Each	\$ 5.2800	6.49	\$ 0.00
5	Gate Valve, Brass, 1", Threaded	0.00	Each	\$ 7.7900	9.40	\$ 0.00
6	Gate Valve, Brass, 1-1/4", Threaded	0.00	Each	\$ 10.8100	12.95	\$ 0.00
7	Gate Valve, Brass, 1-1/2", Threaded	0.00	Each	\$ 13.8900	17.98	\$ 0.00
8	Gate Valve, Brass, 2", Threaded	0.00	Each	\$ 21.1500	25.65	\$ 0.00
9	Gate Valve, Brass, 2-1/2", Threaded	0.00	Each	\$ 36.8500	45.25	\$ 0.00
10	Gate Valve, Brass, 3", Threaded	0.00	Each	\$ 51.9000	68.20	\$ 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 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: 749714 Vendor Alternate ID: 14545 Consolidated Pipe & Supply 7724 Ballcamp Pike Knoxville, TN 37931
--	--

PO Date: 08-FEB-17 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number <h3 style="text-align: center;">542101</h3> INVOICES: Direct invoices in DUPLICATE to the Invoice address shown below.
--	---

S H I P T O	
--	--

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	
11	Ball Valve, Brass, 1/4", Threaded	0.00	Each	\$ 2.4900	2.79	\$ 0.00
12	Ball Valve, Brass, 3/8", Threaded	0.00	Each	\$ 2.1900	2.79	\$ 0.00
13	Ball Valve, Brass, 1/2", Threaded	0.00	Each	\$ 3.6400	4.29	\$ 0.00
14	Ball Valve, Brass, 3/4", Threaded	0.00	Each	\$ 5.2900	6.40	\$ 0.00
15	Ball Valve, Brass, 1", Threaded	0.00	Each	\$ 8.3000	9.75	\$ 0.00
16	Ball Valve, Brass, 1-1/4", Threaded	0.00	Each	\$ 13.7400	16.45	\$ 0.00
17	Ball Valve, Brass, 1-1/2", Threaded	0.00	Each	\$ 18.4900	21.50	\$ 0.00
18	Ball Valve, Brass, 2", Threaded	0.00	Each	\$ 28.1700	33.25	\$ 0.00
19	Ball Valve, Brass, 2-1/2", Threaded	0.00	Each	\$ 67.1500	82.40	\$ 0.00
20	Ball Valve, Brass, 3", Threaded	0.00	Each	\$ 94.9500	130.00	\$ 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: 749714 Vendor Alternate ID: 14545 Consolidated Pipe & Supply 7724 Ballcamp Pike Knoxville, TN 37931
--	--

PO Date: 08-FEB-17 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 542101 INVOICES: Direct invoices in DUPLICATE to the Invoice address shown below.
--	--

S H I P T O	
--	--

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
21	Ball Check Valve, PVC SCH 80, 1/2", Tru-Union	0.00	Each	\$ 26.2000	✓	\$ 0.00
22	Ball Check Valve, PVC SCH 80, 3/4", Tru-Union	0.00	Each	\$ 31.1000	✓	\$ 0.00
23	Ball Check Valve, PVC SCH 80, 1", Tru-Union	0.00	Each	\$ 37.4900	✓	\$ 0.00
24	Ball Check Valve, PVC SCH 80, 1-1/2", Tru-Union	0.00	Each	\$ 62.2500	✓	\$ 0.00
25	Ball Check Valve, PVC SCH 80, 2", Tru-Union	0.00	Each	\$ 85.4900	✓	\$ 0.00
26	Ball Check Valve, PVC SCH 80, 3", Tru-Union	0.00	Each	\$ 240.2900	✓	\$ 0.00
27	Ball Valve, PVC SCH 80, 1/2", Tru-Union	0.00	Each	\$ 4.6000	4.90	\$ 0.00
28	Ball Valve, PVC SCH 80, 3/4", Tru-Union	0.00	Each	\$ 6.2000	6.80	\$ 0.00
29	Ball Valve, PVC SCH 80, 1", Tru-Union	0.00	Each	\$ 8.9500	9.90	\$ 0.00
30	Ball Valve, PVC SCH 80, 1-1/2", Tru-Union	0.00	Each	\$ 14.9100	15.98	\$ 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: 749714 Vendor Alternate ID: 14545 Consolidated Pipe & Supply 7724 Ballcamp Pike Knoxville, TN 37931
--	--

PO Date: 08-FEB-17 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 542101 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	
Line Nbr	Item ID - Item Description	Quantity	Unit	Unit Price	Total	
31	Ball Valve, PVC SCH 80, 2", Tru-Union	0.00	Each	\$ 20.4900	22.90	\$ 0.00
32	Ball Valve, PVC SCH 80, 2-1/2", Tru-Union	0.00	Each	\$ 102.7900	36.50	\$ 0.00
33	Ball Valve, PVC SCH 80, 3", Tru-Union	0.00	Each	\$ 57.9200	64.00	\$ 0.00
34	Swing Check Valve, Brass, Y, 1/2", Threaded	0.00	Each	\$ 7.9900	9.90	\$ 0.00
35	Swing Check Valve, Brass, Y, 3/4", Threaded	0.00	Each	\$ 12.3500	15.25	\$ 0.00
36	Swing Check Valve, Brass, Y, 1", Threaded	0.00	Each	\$ 18.0500	21.65	\$ 0.00
37	Swing Check Valve, Brass, Y, 1-1/2", Threaded	0.00	Each	\$ 35.4900	44.98	\$ 0.00
38	Swing Check Valve, Brass, Y, 2", Threaded	0.00	Each	\$ 52.4900	66.50	\$ 0.00
39	Swing Check Valve, Brass, T, 1/4", Threaded	0.00	Each	\$ 6.4000	7.49	\$ 0.00
40	Swing Check Valve, Brass, T, 3/8", Threaded	0.00	Each	\$ 6.3200	7.49	\$ 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: 749714 Vendor Alternate ID: 14545 Consolidated Pipe & Supply 7724 Ballcamp Pike Knoxville, TN 37931
--	--

PO Date: 08-FEB-17 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate
--

Purchase Order Number 542101
INVOICES: Direct invoices in DUPLICATE to the Invoice address shown below.

S H I P P I N G	
--	--

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	
41	Swing Check Valve, Brass, T, 1/2", Threaded	0.00	Each	\$ 4.5900	5.59	\$ 0.00
42	Swing Check Valve, Brass, T, 3/4", Threaded	0.00	Each	\$ 5.8500	6.98	\$ 0.00
43	Swing Check Valve, Brass, T, 1", Threaded	0.00	Each	\$ 7.7200	9.40	\$ 0.00
44	Swing Check Valve, Brass, T, 1-1/2", Threaded	0.00	Each	\$ 15.0900	18.50	\$ 0.00
45	Swing Check Valve, Brass, T, 2", Threaded	0.00	Each	\$ 24.8100	29.98	\$ 0.00
46	Swing Check Valve, Brass, T, 2-1/2", Threaded	0.00	Each	\$ 44.9100	52.00	\$ 0.00
47	Swing Check Valve, Brass, T, 3", Threaded	0.00	Each	\$ 62.8600	74.00	\$ 0.00
48	Plug Valve, Dezurk, 4", Flange, PEC-4-F1-C1-NBR-NBRD-GS-6-HD8-0	0.00	Each	\$ 518.0000	585.00	\$ 0.00
49	Plug Valve, Dezurk, 6", Flange, PEC-6-F1-C1-NBR-NBRD-GS-6-HD8-0	0.00	Each	\$ 771.0000	840.00	\$ 0.00
50	Plug Valve, Dezurk, 8", Flange, PEC-8-F1-C1-NBR-NBRD-GS-6-HD8-0	0.00	Each	\$ 999.0000	1205.00	\$ 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: 749714 Vendor Alternate ID: 14545 Consolidated Pipe & Supply 7724 Ballcamp Pike Knoxville, TN 37931
--	--

PO Date: 08-FEB-17 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number <h2 style="text-align: center;">542101</h2> 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	
Line Nbr	Item ID: Item Description	Quantity	Unit	Unit Price	Total	
51	Plug Valve, Dezurik, 10", Flange, PEC-10-F1-C1-NBR-NBRD-GS-6-HD12-0	0.00	Each	\$ 1,695.0000	1840. ⁰⁰	\$ 0.00
52	Plug Valve, Dezurik, 12", Flange, PEC-12-F1-C1-NBR-NBRD-GS-6-HD12-0	0.00	Each	\$ 2,113.0000	2320. ⁰⁰	\$ 0.00
53	Plug Valve, Dezurik, 14", Flange, PEC-14-F1-C1-NBR-NBRD-GS-6-HD16-0	0.00	Each	\$ 3,109.0000	3490. ⁰⁰	\$ 0.00
54	Plug Valve, Dezurik, 4" PLUG ONLY	0.00	Each	\$ 310.0000	✓	\$ 0.00
55	Plug Valve, Dezurik, 6" PLUG ONLY	0.00	Each	\$ 369.0000	✓	\$ 0.00
56	Plug Valve, Dezurik, 8" PLUG ONLY	0.00	Each	\$ 565.0000	✓	\$ 0.00
57	Plug Valve, Dezurik, 10" PLUG ONLY	0.00	Each	\$ 1,267.0000	✓	\$ 0.00
58	Plug Valve, Dezurik, 12" PLUG ONLY	0.00	Each	\$ 1,512.0000	✓	\$ 0.00
59	Plug Valve, Dezurik, 14" PLUG ONLY	0.00	Each	\$ 2,849.0000	✓	\$ 0.00
60	Air Release Valve, ARI D020, 2"	0.00	Each	\$ 2,680.0000	✓	\$ 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: 749714 Vendor Alternate ID: 14545 Consolidated Pipe & Supply 7724 Ballcamp Pike Knoxville, TN 37931
--	--

PO Date: 08-FEB-17 Buyer: Mark McKeel FOB: DESTINATION Terms: Immediate	Purchase Order Number 542101 INVOICES: Direct invoices in DUPLICATE to the Invoice address shown below.
--	--

S H I P T O	
--	--

C I T Y	O F	C H A T T A N O O G A	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	Air Release Valve, ARI D020, 4"	0.00	Each	\$ 3,979.0000	4,120. ⁰⁰	\$ 0.00
62	Air Release Valve, ARI D020, 6"	0.00	Each	\$ 4,795.0000	4,890. ⁰⁰	\$ 0.00
63	Air Release Valve, ARI D020, 8"	0.00	Each	\$ 4,998.0000	5,087. ⁰⁰	\$ 0.00
64	Asahi Valve, CPVC, 1-1/2", VPN 1532015	0.00	Each	\$ 512.9400	✓	\$ 0.00
65	Asahi Valve, O-ring, Vilon, VPN 3325015	0.00	Each	\$ 22.4400	✓	\$ 0.00
66	14% Markup for Valves Not Listed	0.00	Each	\$ 1.0000	✓	\$ 0.00

TOTAL: \$.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

February 13, 2019

Chief David Roddy
Administrator, Chattanooga Police Department
3410 Amnicola Highway
Chattanooga, TN 37406

Subject: R179555 / Bid# 305342– Yamaha 4.2 Liter V6 250HP Boat Engines –
Chattanooga Police Department

Dear Chief Roddy:

Council approval is recommended to issue a purchase order for the purchase of Yamaha 4.2 Liter V6 250HP Boat Engines for Marine Operations of the Chattanooga Police Department.

The invitation to bid was sent to seven (7) vendors and received one (1) response as shown below and on the attachment. The original requirement was re-advertised after receiving no bids. One (1) response was received after re-advertisement. Copy of the quote is retained on file and available for review in the Purchasing Office upon request.

<u>Vendor</u>	<u>Quote</u>
RMP Marine / Roane Marine Powersport	\$ 51,021.00

I recommend awarding this purchase to RMP Marine / Roane Marine Powersport, 6320 Hwy 58, Harrison, TN 37341 in the amount of \$51,021.00, who offers the best value quote which meets the specifications for the City of Chattanooga.

Respectfully yours,

Bonnie Woodward
Director of Purchasing

BW/mlm

Attachments

White's Cycle & Marine
4917 Hwy 58 N
Chattanooga, TN 37416

Skier's Marine Chattanooga
4280 Bonny Oaks Drive
Chattanooga, TN 37406

Moses Powersports
6200 Hwy 58
Harrison, TN 37341

Chattanooga Fish-N-Fun LLC
1730 Gold Point Circle North
Hixson, TN 37343

**Roane Marine & Powersports,
LLC**
6320 Hwy 58
Harrison, TN 37341

Harbor Lights Marina
9718 Hixson Pike
Soddy Daisy, TN 37379

Water Workz Marine
3201 APD 40
Cleveland, TN 37311

Item #	Item	Quantity	Unit Price	Total Price
1	Yamaha 4.2 Liter V6 250HP Port Engine	1	\$ 22,600.00	\$ 22,600.00
2	Yamaha 4.2 Liter V6 250HP Starboard Engine	1	\$ 22,600.00	\$ 22,600.00
3	Yamaha Stainless Steel Props	2	\$ 650.00	\$ 1,300.00
4	Command Link Control Box	1	\$ 1,820.00	\$ 1,820.00
5	Command Link Gauges & Harnesses	1	\$ 1,976.00	\$ 1,976.00
6	Engine Oil, Filter, Lower Unit Gear Oil	1	\$ 100.00	\$ 100.00
7	Labor for Removal & Install of Engines and All Associated Work	1	\$ 625.00	\$ 625.00
TOTAL:				\$51,021.00

RMP Marine /
Roane Marine
Powersport

Date: January 17, 2019

Requisition No.: 179555

**PURCHASING DEPARTMENT
101 EAST 11TH STREET
CITY HALL
SUITE G13
CHATTANOOGA, TENNESSEE
37402**

Request for Bid (RFB) for the City of Chattanooga, Tennessee

*Proposals will be received at 101 East 11th Street, Suite G13,
Chattanooga, TN 37402 until 2:00 P.M., EST. on January 31, 2019*

**Requisition / Bid No.: R179555 / 305342
Ordering Dept.: Chattanooga Police Department
Buyer & E-mail: Mark McKeel mmckeel@chattanooga.gov**

**Items Being Purchased: Purchase of Yamaha 4.2 Liter V6 250HP
Boat Engines**

*****REQUEST FOR BIDS MUST BE RECEIVED***
2:00 P.M., EST on January 31, 2019**

The City of Chattanooga reserves the right to reject any and/or all proposals, waive any informality in the proposals received, and to accept any proposal which in its opinion may be for the best interest of the City.

The City of Chattanooga will be non-discriminatory in the purchase of all goods and services on the basis of race, color or national origin.

The City's Standard Terms and Conditions may be found on website:
<http://www.chattanooga.gov/purchasing/standard-terms-and-conditions>

Note: ALL BIDS MUST BE SIGNED

All proposals received are subject to the terms and conditions contained herein and as listed in the above referenced website. The undersigned Offeror acknowledges having received, reviewed, and agrees to be bound to these terms and conditions, unless specific written exceptions are otherwise stated.

PLEASE PROVIDE THE FOLLOWING INFORMATION:

Company Name: RMP Marine / Roape Marine! Boatsport

Mailing Address: 6320 HWY 58

City & Zip Code: Harrison TN. 37341

Phone/Toll Free No.: (423) 777-9059

Fax No.: (423) 777-9058

E-Mail Address: capt. John @ getrmp.com

Contact Person: John Howe

Company Title: Sales manager

Signature: J. B. Howe

BID SOLICITATION



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

SEALED BIDS

Mail or submit two (2) signed copies of bid form to this office in the enclosed envelope. Retain one copy for your file.

BID OPENING DATE AND TIME:
 31-JAN-19 at 2:00 PM

BID NUMBER: 305342

BUYER:
PHONE #: (423) 643-7230
DELIVERY REQUIRED:

M City of Chattanooga
A 101 East 11th Street, Suite G13
I Chattanooga, TN 37402
L
T
O

V
E
N
D
O
R

RFQ

Item	Class-Item	Quantity	Unit	Unit Price	Total
------	------------	----------	------	------------	-------

Requisition / Bid No.: 179555 / 305342
 Ordering Dept.: Chattanooga Police Department
 Buyer: Mark McKeel
 Phone No.: 423-643-7236

Items Being Purchased: Yamaha 4.2 Liter V6 250HP Engines for Police Service Boat

ATTACHMENTS:

1. Specification (1 page)
2. Affirmative Action Plan (2 pages)
3. Insurance Requirements (2 pages)
3. Iran Divestment Act Disclosure (1 page)
4. No Contact / No Advocacy Notice (1 page)

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.

*** BIDS MUST BE RECEIVED NO LATER THAN ***
 ***** 2:00 PM ON JANUARY 31, 2019 *****

PLEASE SUBMIT BIDS IN DUPLICATE INDICATING
 BID NUMBER (305342) ON OUTSIDE PACKAGING
 ALL ITEMS MUST BE QUOTED F.O.B. DESTINATION, FREIGHT ALLOWED.

NOTE:
ALL BIDS MUST BE SIGNED
 All bids received are subject to the terms and conditions contained herein and as listed in the above referenced website. The undersigned Bidder acknowledges having received, reviewed, and agrees to be bound to these terms and conditions, unless specific written exceptions are otherwise stated.

Any manufacturer;s names, trade names, brand names, or catalog numbers used in the specifications are for the purpose of describing and establishing general quality levels. Such references ar enot intended to be restrictive. Bids will be considered for any brand which meets or exceeds the quality of the specifications listed for any item.

The City of Chattanooga reserves the right to reject any and/or all bids, waive any informalities in the bids received, and to accept any bid which in its opinion may be for the best interest of the city.

The City of Chattanooga will be non-discriminatory in the purchase of all goods and services on the basis of race, color, or national origin.

**** NOTE ****
 PLEASE PROVIDE US WITH THE FOLLOWING INFORMATION:

Company Name RMP Marine
 Address 6320 HWY 58
Harrison TN. 37341
 Phone/Toll-Free No. (423) 777-9059

BID SOLICITATION



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

SEALED BIDS
Mail or submit two (2) signed copies of bid form to this office in the enclosed envelope. Retain one copy for your file.

BID OPENING DATE AND TIME:
31-JAN-19 at 2:00 PM
BID NUMBER: 305342
BUYER:
PHONE #: (423) 643-7230
DELIVERY REQUIRED:

**V
E
N
D
O
R** RFQ

**M
A
I
L
T
O** City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

Item	Class-Item	Quantity	Unit	Unit Price	Total
Fax No. <u>(423) 777-9058</u> eMail Address <u>CAPT. John@gcrmp.com</u> Contact Person's Name <u>John Howe</u> Estimated Delivery <u>7-10 days - BUT Yamaha owl Buck ordered. ship ASAP.</u> Minority-Owned Business _____ Small Business _____ Veteran <input checked="" type="checkbox"/> Minority Woman-Owned Business _____ Disabled Veteran _____ Woman-Owned Business _____ **** ALL ITEMS MUST BE QUOTED F.O.B. DESTINATION ****					

NOTE: ALL BIDS RECEIVED ARE SUBJECT TO THE TERMS AND CONDITIONS

The City is Exempt from all Federal and State Tax.
Bids will be received at the above mentioned address.

ALL BIDS MUST BE SIGNED - The undersigned offers the above quoted prices under the conditions contained herein.

TERMS OF PAYMENT: net 30
TELEPHONE NUMBER: (423) 777-9059

COMPANY: RMP Marine
SIGNATURE: John B. Howe
NAME AND TITLE: John Howe / sales manager

BID SOLICITATION



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

SEALED BIDS
Mail or submit two (2) signed copies of bid form to this office in the enclosed envelope. Retain one copy for your file.

BID OPENING DATE AND TIME:
31-JAN-19 at 2:00 PM
BID NUMBER: 305342

BUYER:
PHONE #: (423) 643-7230
DELIVERY REQUIRED:

**V
E
N
D
O
R** RFQ

**M
A
I
L
T
O**
City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

Item	Class-Item	Quantity	Unit	Unit Price	Total
1	Yamaha 4.2 Liter V6 250HP Port Engine	1	Each	22,600	22,600.00
2	Yamaha 4.2 Liter V6 250HP Starboard Engine	1	Each	22,600	22,600.00
3	Yamaha Stainless Steel Props	2	Each	650.00	1,300.00
4	Command Link control box	1	Each	1,820.-	1,820.-
5	Command Link gauges and harnesses	1	Each	1,976.-	1,976.-
6	Engine oil, filter, Lower unit gear oil	1	Each	100.00	100.00
7	Labor for removal and install of engines and all associated work.	1	Each	625.00	625.00

NOTE: ALL BIDS RECEIVED ARE SUBJECT TO THE TERMS AND CONDITIONS

The City is Exempt from all Federal and State Tax.
Bids will be received at the above mentioned address.

TERMS OF PAYMENT: Net 30
TELEPHONE NUMBER: (423) 777-9059

ALL BIDS MUST BE SIGNED – The undersigned offers the above quoted prices under the conditions contained herein.

COMPANY: RMP Marine
SIGNATURE: [Signature]
NAME AND TITLE: John Howe / sales manager

**CITY OF CHATTANOOGA
REQUEST FOR PROPOSALS
December 2018**

The City of Chattanooga requests proposals for upgrade the engines and controls for the Police's Zodiac LE2800. The proposals shall cover parts and labor. Each proposer should price costs per item. The City reserves the right to reject any or all proposals and to waive any informality in proposals received whenever such rejection or waiver is in the best interest of the City.

**SPECIFICATIONS
JAG BOAT MOTOR**

Upgrade the engines and controls on Zodiac LE2800 to Yamaha 4.2 V6 250hp with command link digital throttles.

Port engine - \$ 22,600.- ;
Starboard engine - \$ 22,600.- ;
Props - \$ 1300.00 ;
Command link control box - \$ 1,820.- ;
Gauges/ all control harnesses - \$ 1,976.- ;
Fluids - \$ 100.00 ;
Labor for removing and installing all of the items above - \$ 625.00

Chattanooga Police Department prefers to have onsite service required.

For questions concerning this proposal, please email all questions to Mark McKeel at mmckeel@chattanooga.gov. All questions will be forwarded to the Chattanooga Police Department to answer.

“Additional Information AND PART #”

F250XCA - Port Engine, Lf250XCA - Starboard Engine, CL-2MC - Command Link System, 6CE-45972-00-00 & 6CF-45972-00-00 - for Props, Gauges, Switches & Harnesses To Connect Command Link System To The 2 New Engines, 6X6-0E8331-00, 6X6-82570-60-00, 6X6-82570-40-00, 6Y8-82521-41-00, 6X6-8258A-00-00

Affirmative Action Plan

The City of Chattanooga is an equal opportunity employer and during the performance of this Contract, the Contractor agrees to abide by the equal opportunity goals of the City of Chattanooga as follows:

- 1 The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, or handicap. The Contractor will take affirmative action to ensure that applicants are employed, and the employees are treated during employment without regard to their race, color, religion, sex, national origin, or handicap. Such action shall include, but not be limited to, the following: employment, upgrading, demotion, or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay, or other forms of compensation, and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
- 2 The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, or handicap.
- 3 The Contractor will send to each labor union or representative of workers with which he/she has a collective bargaining agreement or other contract or understanding, a notice advising the said labor union or workers' representatives of the Contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- 4 In all construction contracts or subcontracts in excess of \$10,000 to be performed for the City of Chattanooga, any contractor and/or subcontractor is further required to file in duplicate within ten (10) days of being notified that it is the lowest responsible bidder, an affirmative action plan with the EEO Director of the City of Chattanooga. This plan shall state the Contractor's goals for minority and women utilization as a percentage of the work force on this project.
- 5 This Plan or any attachments thereto shall further provide a list of all employees annotated by job function, race, and sex who are expected to be utilized on this project. This plan or attachment thereto shall further describe the methods by which the Contractor or Subcontractor will utilize to make good faith efforts at providing employment opportunities for minorities and women.

During the term of this contract, the Contractor upon request of the City, will make available for inspection by the City of Chattanooga copies of payroll records, personnel documents and similar records or documents that may be used to verify the Contractor's compliance with these Equal Opportunity provisions.

- 6 The Contractor will include the portion of the sentence immediately preceding paragraph 1 and the provisions of paragraphs 1 through 6 in every subcontract so that such provisions will be requested of each subcontractor. The Contractor agrees to notify the City of Chattanooga of any subcontractor who refuses or fails to comply with these equal opportunity provisions. Any failure or refusal to comply with these provisions the Contractor and/or Subcontractor shall be a breach of this contract



(Signature of Contractor)

Sales Manager RMP Marine

(Title and Name of Construction Company)

Feb 1st 2019

(Date)

REQUIREMENTS FOR INSURANCE COVERAGE

The Contractor shall not commence work under these Contract Documents until he has obtained all insurance required herein nor shall the Contractor allow any Subcontractor to commence work on his subcontract until similar insurance required of the Subcontractor has been obtained by the Subcontractor. Insurance shall be placed by the Contractor with one or more insurance carriers licensed to do business in the State of Tennessee. Each insurance policy shall be renewed ten (10) days before the expiration date of the policy.

Certificates of Insurance shall be filed with the City prior to commencement of the work. These certificates shall contain a provision that coverage's afforded under the policies will not be changed or canceled unless at least fifteen (15) days' written notice has been given to the City. The Contract shall not be binding upon the City until the insurance coverage required herein has been obtained and certificates have been filed with the City.

Adequate insurance coverage shall be maintained by the Contractor at all times. Failure to maintain adequate coverage shall not relieve the Contractor of any responsibilities or obligations under these Contract Documents. In the event any insurance coverage is canceled or allowed to lapse, the Contractor will not be permitted to prosecute the work until adequate and satisfactory insurance has been obtained and Certificates of Insurance furnished to the City. Failure to keep insurance policies in effect will not be cause for any claims for extension of time under these Contract Documents.

All such policies shall be subject to approval by the City Attorney. Should the City Attorney at any time in his sole discretion determine that the insurance policies and certificate provided may not be sufficient to protect the interests of the City because of the insolvency of the insurance company or otherwise, the Contractor shall replace such policies with policies meeting his approval.

The Contractor shall procure and maintain at his own expense, during the Contract Time, insurance as hereinafter specified:

Workmen's Compensation Insurance that shall protect the Contractor against all claims under applicable state workmen's compensation laws shall be maintained. The Contractor shall also be protected against claims for injury, disease or death of employees which, for any reason, may not fall within the provisions of a workmen's compensation law. This policy shall also include an endorsement providing coverage in all States in which work is performed. The Contractor shall require all the Subcontractors to provide similar Workmen's Compensation Insurance for all the Subcontractors' employees on the work unless such employees are covered by the protection afforded by the Contractor. The liability limits shall not be less than that required by statute.

General Public Liability and Property Damage Insurance that shall be written in comprehensive form and shall protect the Contractor against all claims arising from injuries including death, to members of the public or damage to property of others arising out of any act or omission of the Contractor or his agents, employees, or Subcontractors. In addition, this policy shall specifically insure the contractual liability assumed by the successful bidder to defend and indemnify the City of Chattanooga against such claims or suits.

To the extent that the work may require blasting, explosive conditions or underground operation, the comprehensive general public liability and property damage coverage shall contain no exclusion relative to blasting, explosion, collapse of buildings, or damage to underground property.

The comprehensive general public liability and property damage coverage shall also protect the Contractor against all claims from damage to:

1. Private driveways, walks, shrubbery and plantings;
2. Public utility facilities; and
3. U.S Government monuments.

The liability limits shall not be less than:

Bodily Injury	\$ 500,000 each person \$1,000,000 each occurrence
Property Damage	\$ 250,000 each occurrence \$ 500,000 aggregate

The general public liability and property damage insurance shall carry an endorsement in form satisfactory to the City to the effect that the Contractor shall save harmless the City from any claims and damages whatsoever, including patent infringement. General public liability and property damage insurance shall be kept in force at all times during the course of the work until such time as the work covered by these Contract Documents has been completed and accepted by the City.

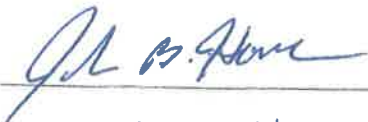
Comprehensive Motor Vehicle Liability and Property Damage Insurance that shall be written in comprehensive form and shall protect the Contractor against all claims for injuries to members of the public and damage to property of others arising from the use of motor vehicles, and shall cover operation on or off the site of all motor vehicles licensed for highway use, whether they are owned, non-owned, or hired

The liability limits shall not be less than:

Bodily Injury	\$ 250,000 each person \$ 500,000 each occurrence
Property Damage	\$ 100,000 each occurrence

Chapter No. 817 (HB0261/SB0377). "Iran Divestment Act" enacted.
Vendor Disclosure and Acknowledgement

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief that each bidder is not on the list created pursuant to § 12-12-106.

(SIGNED) 
(PRINTED NAME) John Howe
(BUSINESS NAME) RMP MORRIS
(DATE) 2/1/19

For further information, please see website:

https://www.tn.gov/assets/entities/generalservices/cpo/attachments/List_of_persons_pursuant_to_Tenn._Code_Ann._12-12-106,_Iran_Divestment_Act-July.pdf

No Contact/No Advocacy

Notice Receipt

City of Chattanooga
Purchasing Division

For Submission with Sealed Bid Solicitation Responses:

John Howe

(Vendor Agent name), states that:

(1) He/She is the owner, partner, officer, representative, or agent of RMP MARINE

(Business name), the Submitter of the

attached sealed solicitation response to Solicitation # R17955/305342, and said

Business has taken notice, and will abide by the following No Contact and No Advocacy clauses:

NO CONTACT POLICY: After the posting of this solicitation, a potential submitter is prohibited from directly or indirectly contacting any City of Chattanooga representative concerning the subject matter of this solicitation, unless such contact is made with the Purchasing Division.

NO ADVOCATING POLICY: To ensure the integrity of the review and evaluation process, companies and/or individuals submitting sealed solicitation responses, as well as those persons and/or companies formally/informally representing such submitters, may not directly or indirectly lobby or advocate to any City of Chattanooga representative.

Any business entity and/or individual that does not comply with the No Contact and No Advocating policies may be subject to the rejection or disqualification of its solicitation response from consideration.

Submitter Signature:

John B. Howe

Printed Name:

John Howe

Title: Sales Manager RMP Marine

Date: 2/1/19



City of Chattanooga

Mayor Andy Berke

February 6, 2019

Phil Hyman, Fire Chief
Chattanooga Fire Department
910 Wisdom Street
Chattanooga, TN 37406

Subject: R181658 – Chemical Identification System – Fire Department

Dear Chief Hyman:

Council approval is recommended for purchase of one (1) Rigaku Progeny ResQ Handheld Chemical Identification System. The amount of this purchase is \$49,870.00.

This is a sole-source purchase from Rigaku Analytical Devices, Inc. A Sole-source Justification Form is attached. A copy of the Quotation from Rigaku Analytical Devices is also attached.

TCA 6-56-304.2 allows this single source contract to be exempted from the usual advertising and bidding requirements.

I recommend approval of this purchase from Rigaku Analytical Devices, Inc., as being in the best interest of the City of Chattanooga.

Respectfully yours,

Bonnie Woodward
Director of Purchasing

BW/wt
Attachments

Supplier Address:
Rigaku Analytical Devices, Inc.
30 Upton Drive, Suite 2
Wilmington MA 01887

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 \$ 60,000

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.

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

What steps were taken to verify that these features are not available elsewhere?
(Attach any additional explanation)

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? THIS IS THE ONLY 1064 NM HANDHELD RAMAN SPECTROSCOPY

Suggested Vendor: RIGAKU ANALYTICAL DEVICES

Department: TERRITORY SALES MANAGER Contact: HOYT HUGHES

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

1-31-19
Date



Chattanooga Fire Department
 910 Wisdom St
 Chattanooga, Tennessee 37406
 United States

Captain Thompson
 (423) 643-5612
 rwthompson@chattanooga.gov

Quote Number: CFDR10641419
Date: January 4, 2019
Validity: March 31, 2019
Shipment: FCA: Wilmington, MA
Installation: Included
Warranty: 24 Month Warranty
Payment Terms: Net 30 days
Progeny Delivery Terms: 2 Weeks ARO

Rigaku Progeny ResQ 1064 Price Quotation

* Pricing Only Valid for US Deliveries

Product Name	Standard Features and Accessories	Qty	Price USD	Extended
Rigaku Progeny ResQ 1064nm  Item Number 1006877	<ul style="list-style-type: none"> • (2) Li-ION Rechargeable Batteries >5hours life • AC power adaptor (100-250V) • Mini-USB cable • Progeny ResQ Standard Library-over 12,000 compounds including CWA, Explosives, TIC/TIM, narcotics, precursors and simulants • User Manual (PDF) • Progeny ResQ operating software optimized for Safety and Security applications • Quick Start Guide • 1064nm Laser test card • Adjustable Focal Point Nose Cone • Rugged Carrying Case with Custom Foam • Certified Benzonitrile Reference Standard • Free software updates for the life of the product • 24/7/365 Reachback support • On- site 4 hr training class 	1	\$46,000.00	\$46,000.00
1014097	<ul style="list-style-type: none"> • Universal Sample Accessory 	1	Included	Included
Warranty	<ul style="list-style-type: none"> • 24 Month Limited Warranty 	1	Included	Included
	Price:			\$46,000.00
	Shipping & Handling			\$120.00
	TOTAL PRICE (FCA: Wilmington, MA) <i>Price excludes all import fees, duties, applicable taxes & freight unless otherwise stated</i>			\$46,120.00

Rigaku Analytical Devices, Inc.
 30 Upton Drive, Suite 2, Wilmington, MA 01887 USA
 T: +1 855.785.1064 or +1 781.328.1024 • F: +1 781.328.0119
 www.rigaku.com/resq • handhelds@rigaku.com



Optional Accessories

Item Number	Description	Price USD
1012438	<ul style="list-style-type: none"> Vial Holder, Progeny ResQ 1064 – Provides customizable settings to accommodate vials of varying sizes 	\$750.00
1013313	<ul style="list-style-type: none"> Bottle Adapter 	\$350.00
1006107	<ul style="list-style-type: none"> Progeny Docking Station – Docking Station, AC Power Adaptor, USB cable 	\$2,500.00
1017860	<ul style="list-style-type: none"> Progeny Protective Boot (Gray) 	\$150.00
1006234	<ul style="list-style-type: none"> 3 Year Warranty – Extension of 2yr standard Warranty (60 months total coverage) 	\$13,800.00

PURCHASE ORDER

Agreed and Accepted By:

Signature of Authorized Company Representative:		Bill To:
Print Name:		
Title:	Ship To:	
Date:		

Rigaku Analytical Devices, Inc.
 30 Upton Drive, Suite 2, Wilmington, MA 01887 USA
 T: +1 855.785.1064 or +1 781.328.1024 • F: +1 781.328.0119
www.rigaku.com/resq • handhelds@rigaku.com



January 3, 2018

Rigaku Analytical Devices, Inc.
30 Upton Drive, Suite 2
Wilmington, MA 01887

Re: Sole Source Verification Requirement

To Whom It May Concern:

I would like to take this opportunity to thank you for considering Progeny ResQ 1064nm handheld Raman chemical identification system.

Rigaku Analytical Devices, Inc is the only manufacturer of the Progeny ResQ 1064nm handheld Raman chemical detection system. Currently, there is no other device providing comparable advanced analytics and unique features which extend analysis capabilities in the field.

The following table lists ResQ's technical specifications and their associated advantages for rapid detection of the largest number of "Real World" chemical threats most commonly encountered in the field and not offered on any other device of its kind.

Table 1: Progeny ResQ 1064nm handheld Raman specifications with user benefits

Technology	<ul style="list-style-type: none"> Raman Spectroscopy.
Excitation wavelength	<ul style="list-style-type: none"> 1064nm minimizes fluorescence effects: allows for direct analysis of colored/impure chemicals through colored packaging.
Portability	<ul style="list-style-type: none"> Small handheld device, optimized for one handed operation. 11.8in x 3.2in x 2.9in (29.9cm x 8.1cm x 7.4cm). ~3.5lbs (1.6kg).
Ruggedness	<ul style="list-style-type: none"> US MIL-STD 810G designed, tested and certified rugged. IP 68 designed, tested, certified use in varying environmental conditions.
Operational temperature range	<ul style="list-style-type: none"> Unit can be operated in -10°C to +50°C temperatures. Withstands temperature and humidity fluctuations.
Rapid start-up Rapid results	<ul style="list-style-type: none"> 60 seconds from power on to analysis. Analysis results in less than one minute.
Ease of operation	<ul style="list-style-type: none"> Scans in direct contact AND through translucent plastic or glass containers. Universal sample holder for analysis of samples in varying forms and packaging. Smartphone like touch-screen interface or large button activation. User prompted step-by-step onscreen analysis activation. Typically 3 button presses to receive analysis result. Onboard system status monitoring and calibration. Reduces down-time and necessity for re-calibration at a service depot.
Capability of analysis	<ul style="list-style-type: none"> Liquids, solids, powders, pastes, gels. Colored substances and substances found in colored translucent packaging. These types of substances are most often encountered in real-world samples. Comparative spectral analysis overlay easily performed onboard. User adjustable focus ensures analysis of material and not the packaging. 4C software automatically monitors analysis for combinations of substances used in threat, drug manufacturing, and other recipes. Users receive onscreen alert to potential threat or drug manufacturing activity.
Onboard Library	<ul style="list-style-type: none"> Over 12,000 substances in Master Library. ResQ library includes more than 700 of the latest explosives, precursors, CWAs, TICs/TIMs, narcotics and psychotropic drugs, steroids, cutting agents, pharmaceuticals and diluents. Easily expandable to add emerging threats and other substances. 4C library with drug manufacturing and other types of threat manufacturing recipes. Library updates provided more than once a year.

Table continued...

Evidence documentation	<ul style="list-style-type: none"> Onboard 5MP camera captures image of sample and surroundings. Image(s) stored along with analysis results in tamper-resistant file. All analysis results are traceable and include unique date, time and serial number stamp.
Remote activation Remote viewing Data transfer Reporting	<ul style="list-style-type: none"> Remotely operate ResQ on cell phone, tablet, or PC. Remotely view analysis data in "Real-Time" on cell phone, tablet or PC. Exportable data in numerous file formats. Data transfer to cell phone, tablet, computer or laptop via USB and WiFi (can be disabled). Customizable report template and easy report generation.
Onboard safety features	<ul style="list-style-type: none"> Nominal Ocular Hazard Distance (NOHD): 5.5 in (13.9 cm) User activated scan delay timer of up to 10 minutes in case an energetic is suspected.
Customer support package	<ul style="list-style-type: none"> 24/7/365 Reachback service for the life of the unit. Library updates provided for the life of the unit. Software updates provided for the life of the unit. Support: online, phone, email, and in some cases text message for the life of the unit.
Warranty	<ul style="list-style-type: none"> 24-months.
Training	<ul style="list-style-type: none"> Comprehensive 4 hour onsite training for an unlimited number of users. Online accessible training modules.
Made in the USA	

The entire team at Rigaku Analytical Devices stands behind Progeny ResQ, and is here to partner with your agencies' efforts to stop the proliferation of threats- narcotic, explosive, Chemical Warfare Agent and others. We are committed to supporting our end users in the field.

Please contact us at any time for assistance. Your feedback is always appreciated. Thank you again for considering Rigaku Analytical Devices.

Sincerely,



Bree Allen
President
Rigaku Analytical Devices



Progeny ResQ
Awarded one of 2015's top
100 analytical technologies

Rigaku Analytical Devices, Inc.

Founded in 2011 in response to a growing need for more rugged and technologically advanced mobile and handheld spectroscopic analyzers, Rigaku Analytical Devices is a leader innovator of solutions for use in the protection of public health and safety and aid in the advancement of scientific and academic study. The company is based in the United States in Wilmington, Massachusetts just outside of Boston. Rigaku Analytical Devices' products are manufactured at this 1395 sq. meter state-of-art ISO 9001:2008 certified facility.

Rigaku Analytical Devices has a great deal of organizational experience in performing solutions for rapid detection and identification of solid and liquid narcotics, explosives, chemical warfare agents (CWAs), and toxic industrial chemical and material threats (TICs/TIMs). Several members of the engineering and product development teams joined Rigaku Analytical Devices after spending critical roles developing products for manufacturers of the equipment currently used by law enforcement, customs and border protection, first responders, military and others.



Rigaku Analytical Devices, Inc
(hereinafter referred to as "Seller")

Terms & Conditions

ORDERS: Each order for Instruments is subject to acceptance in writing by Seller. Orders may not be cancelled or rescheduled after delivery by Seller to the carrier. Special orders for Instruments requiring additional design or manufacturing costs shall be non-cancelable. Orders for standard Instruments cancelled at any time after acknowledgement may be subject to a cancellation charge.

CONTROLLING TERMS AND CONDITIONS: Any terms in buyer's Purchase Order (or other document pursuant to which goods have been ordered or requested by buyer) that are different from, in conflict with, or in addition to those contained herein or in the accompanying order acknowledgement or invoice from seller do not supercede the terms and conditions contained herein unless specifically accepted in writing by Seller. Further, acceptance by Seller of any Purchase Order or other offer to purchase goods from Seller which contains terms or conditions different from or in additions to those terms and conditions contained herein is expressly conditional on acceptance in writing by Seller of such different or additional terms and conditions.

SPECIFICATIONS: The equipment quoted herein is certified to meet published Seller standard specifications at the time of quotation. Unless specifically agreed in writing, Seller does not certify the equipment to meet any government or buyer specifications.

PACKING: Prices contained in this quotation are based on standard commercial packing and packaging suitable for domestic air or motor freight shipment, or international air freight. MIL-SPEC (Military specification) packing or packaging suitable for ocean freight is at extra cost. Failure to note special packing requirements contained in buyers' RFQ (Request for Quote) shall not obligate Seller to perform same.

FREIGHT: Unless otherwise agreed to in writing, Domestic U.S.A, shipments will be made by air or motor freight charges collect, FCA, Sellers Manufacturing Facility. All products are automatically carrier insured at the carrier-determined rate, which is adequate. Additional insurance is recommended and is the sole responsibility of the Buyer. Any air or surface prepaid and bill shipments, other than by the carrier selected by Seller, must be pre-approved by Seller. International shipments will be made via airfreight, with all pickup, inland freight, customs, duties, documentary, consular, and insurance charges collect. If CPT, CIP, DAT, DAP, or DDP shipment has been quoted, such charges are estimates only. Concerning the goods sold under this contract, and unless an affirmation, representation, or warranty made by an agent, employee, or representative is specifically included within this contract, it will not be enforceable by buyer.

ACCEPTANCE: The point of acceptance for equipment quoted herein shall be Seller's shipping dock. Buyer is permitted to perform source inspection prior to shipment, however, failure to inspect within 48 hours after notification that equipment is ready for inspection shall be deemed acceptance.

DELIVERY/TITLE: The quoted delivery is the delivery applicable at the time of quotation. Buyer should verify delivery at the time of order placement as all deliveries are subject to prior sale. Subject to seller's right of stoppage in transit, delivery of the Instruments to a carrier shall constitute delivery to Buyer, and risk of loss shall thereupon pass to Buyer.

EXPORT SALES: If this transaction involves an export of items (including, but not limited to, commodities, software or technology) subject to the Export Administration Regulations, such items were exported from the United States by Seller in accordance with the Export Administration Regulations. Customer agrees that it will not divert, use, export or re-export such items contrary to United States law. Customer expressly acknowledges and agrees that it will not export, re-export, or provide such items to any entity or person within any country that is subject to United States economic sanctions imposing comprehensive embargoes without obtaining prior authorization from the United States Government. The list of such countries subject to United States economic sanctions or embargoes may change from time to time but currently includes Cuba, Iran, Sudan, and Syria. Customer also expressly acknowledges and agrees that it will not export, re-export, or provide such items to entities and persons that are ineligible under United States law to receive such items, including but not limited to, any person or entity on the United States Treasury Department's list of Specially Designated Nationals or on the United States Commerce Department's Denied Persons List, Entity List, or Unverified List.

Rigaku Analytical Devices, Inc.
30 Upton Drive, Suite 2, Wilmington, MA 01887 USA
T: +1 855.785.1064 or +1 781.328.1024 • F: +1 781.328.0119
www.rigaku.com/resq • handhelds@rigaku.com

TAXES: Unless otherwise agreed to in writing, all taxes, use fees, or other charges now or hereafter imposed by any governmental authority upon the sale, purchase, resale, delivery, manufacture, or possession of the Instruments specified herein, which may be paid by Seller or for which Seller may be liable, shall be paid to Seller by Buyer in addition to the purchase price of the Instruments.

PAYMENT: Domestic (USA) pending credit approval, payment in advance by cash, certified check, or wire transfer. Credit card payment (Visa or Mastercard) is also acceptable. Following credit approval by Seller, terms are Net 30 days unless other terms are agreed upon in writing. International (including Foreign Governmental Agencies or Entities) 100% Wire Transfer or Irrevocable Confirmed Letter of Credit in favor of Rigaku Analytical Devices, Inc.

DAMAGE IN TRANSIT: The instrument should be tested as soon as it is received. If it fails to operate properly, or is damaged in any way, a claim should be filed immediately with the carrier. A full report of the damage should be obtained by the claim agent, and a copy of this report should be forwarded to Seller. Seller will prepare an estimate of repair cost, and repair the instrument when authorized by the claim agent. Please include model number and serial number when referring to the instrument.

INSTALLATION/TRAINING: Buyer acknowledges that no factory installation support, training or education is contracted for or purchased under the terms of this contract unless specifically agreed in writing.

WARRANTY: Seller warrants each instrument manufactured by it to be free from defects in material and workmanship for a period of two years from the date of shipment to the original purchaser. For international shipments, warranty is 24 months from date of commissioning, not to exceed 27 months from date of shipment. Seller will service, replace, or adjust any defective part or parts, free of charge, when the instrument is returned freight prepaid, and when examination reveals that the fault has not occurred because of misuse, abnormal conditions of operation, user modification, or attempted user or third party repair. Instrument warranty does not include batteries or accessories. The original manufacturer's warranty for batteries and accessories are extended to the purchaser. Equipment repaired beyond the effective date of warranty or when abnormal usage has occurred will be charged at applicable rates. Seller will submit an estimate for such charges before commencing repair, if so requested. No other express warranty is given and no affirmation of seller, by words or action, will constitute a warranty.

RETURNS: Returns other than for repair under warranty provisions below are subject to the approval of Seller, and are subject to a restocking charge of 15% for parts and 25% for standard instruments within the first 30 days. If a return is approved, a Return Material Authorization (RMA) number will be given, and must be displayed on the shipping label of the returned Instrument. Upon receipt at Seller or their authorized agent, the Instrument will be inspected. Credit shall be issued if the Instrument is in good working order. Seller shall not be responsible for any damage due to improper handling or packing. Instruments returned without authorization will not be credited.

PROCEDURE FOR SERVICE: If a fault develops, notify Seller, its local sales representative or authorized service center, giving full details of the difficulty, and including the model number and serial number. On receipt of this information, a Return Material Authorization (RMA) number will be given or service engineer scheduled when applicable. For depot service, pack instrument in its original packing or equivalent to prevent transportation damage, include the RMA number on the shipping label and ship freight prepaid to the factory or authorized service center.

Seller shall not be responsible for repair of damage due to improper handling or packing. Instruments returned without RMA No., or shipped freight collect will be refused unless authorized in advance in writing. Instruments repaired under Warranty will be returned by prepaid air or surface freight. The method of return shipment will be at the sole discretion of the Seller. Instruments repaired outside the Warranty will be returned freight collect, FCA Seller's Facility. A valid credit card or purchase order (on approved credit) must be provided before work begins on repairs not covered by the Warranty, which shall be at least in the amount of applicable evaluation charges. Repairs are warranted for 90 days or until the end of the instruments original warranty, whichever is longer.

GENERAL: This contract contains the entire agreement between the parties and supersedes any prior or contemporaneous oral or written agreements or communications between them relating to the subject matter hereof. This contract may not be assigned, modified, or cancelled without Seller's prior written consent, and any attempt to assign, modify or cancel it without such consent shall be absolutely void. No delay or omission to exercise any right, power or remedy accruing to Seller upon breach or default by Buyer under this contract shall impair any such right, power or remedy of Seller, or shall be construed as a waiver of any such breach or default. All waivers must be in writing. In the event any of the provisions hereof shall, for any reason, be held void or unenforceable, the remaining provisions shall remain in full force and effect and shall control. Any provisions of this contract prohibited by the law of any state shall, as to said state, be ineffective to the extent of such prohibition without invalidating the remaining provisions of this contract.

No agent, employee, or representative of Seller has any authority to bind Seller to any affirmation, representation, or warranty

Rigaku Analytical Devices, Inc.

30 Upton Drive, Suite 2, Wilmington, MA 01887 USA

T: +1 855.785.1064 or +1 781.328.1024 • F: +1 781.328.0119

www.rigaku.com/resq • handhelds@rigaku.com

LIMITATION OF DAMAGES: If Seller breaches or repudiates this agreement, buyer shall not be entitled to any consequential damages as defined in the Uniform Commercial Code except that if the goods sold are "consumer goods," personal injuries shall be recoverable.

BUYER: Buyer shall indemnify, defend with competent and experienced counsel and hold harmless Seller, its parent, subsidiaries, affiliates and divisions, and their respective officers, directors, shareholders and employees, from and against any and all damages, liabilities, actions, causes of action, suits, claims, demands, losses, costs and expenses (including without limitation reasonable attorneys' fees and disbursements and court costs) to the extent arising from or in connection with (i) the negligence or willful misconduct of Buyer, its agents, employees, representatives or contractors; (ii) use of a Product in combination with equipment or software not supplied by Seller where the Product itself would not be infringing; (iii) Seller's compliance with designs, specifications or instructions supplied to Seller by Buyer; (iv) use of a Product in an application or environment for which it was not designed; (v) modifications of a Product by anyone other than Seller without Seller's prior written approval; or (vi) Use of device in a manner that is not accordance with state or local regulations for laser safety.

APPLICABLE LAW: This contract shall be governed by and interpreted under the laws of the State of Texas. Any dispute between buyer and Rigaku Analytical Devices, Inc. regarding this agreement will be subject to the exclusive jurisdiction of the state and federal courts in the State of Texas. Buyer agrees to submit to exclusive jurisdiction in the State of Texas, and buyer expressly waives all defenses to jurisdiction.

ARBITRATION: Any disputes arising under this contract shall be resolved by arbitration in The Woodlands, Texas by the American Arbitration Association in accordance with its rules then prevailing.

LIABILITY: In no event shall RIGAKU ANALYTICAL DEVICES, INC. or RIGAKU CORPORATION be liable for any direct, indirect, punitive, incidental, special consequential damages, to property or life, whatsoever arising out of or connected with the use or misuse of its products.

EXCEPT AS SET FORTH ABOVE, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, OF ANY NATURE WHATSOEVER, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

Rigaku Analytical Devices, Inc.
30 Upton Drive, Suite 2, Wilmington, MA 01887 USA
T: +1 855.785.1064 or +1 781.328.1024 • F: +1 781.328.0119
www.rigaku.com/resq • handhelds@rigaku.com



City of Chattanooga

Mayor Andy Berke

February 6, 2019

Phil Hyman, Fire Chief
Chattanooga Fire Department
910 Wisdom Street
Chattanooga, TN 37406

Subject: R181720 – Tanker Fire Apparatus – Fire Department

Dear Chief Hyman:

Council approval is recommended for purchase of two (2) U.S. Tanker Company 1250 gallon per minute tanker fire apparatus. The amount of this purchase is \$607,348.00.

This purchase is utilizing the Sourcewell contract, PO No. 022818-SPR. The U.S. Tanker Company is a wholly-owned subsidiary of Spartan Motors, Inc. A copy of the Sourcewell Contract and the Bid Proposal from Spartan Motors USA are attached.

TCA 6-56-304.2 allows this single source contract to be exempted from the usual advertising and bidding requirements.

I recommend approval of this purchase to Spartan Motors USA, as being in the best interest of the City of Chattanooga.

Respectfully yours,

**Bonnie Woodward
Director of Purchasing**

**BW/wt
Attachments**

**Supplier Address:
Spartan Motors USA
610 West 4th Street
Snyder, NE 68664**

FORM E
CONTRACT ACCEPTANCE AND AWARD



(Top portion of this form will be completed by NJPA if the vendor is awarded a contract. The vendor should complete the vendor authorized signatures as part of the RFP response.)

NJPA Contract #: 022818-SPR

Proposer's full legal name: Spartan Motors, Inc.

Based on NJPA's evaluation of your proposal, you have been awarded a contract. As an awarded vendor, you agree to provide the products and services contained in your proposal and to meet all of the terms and conditions set forth in this RFP, in any amendments to this RFP, and in any exceptions that are accepted by NJPA.

The effective date of the Contract will be April 16, 2018 and will expire on April 16, 2022 (no later than the later of four years from the expiration date of the currently awarded contract or four years from the date that the NJPA Chief Procurement Officer awards the Contract). This Contract may be extended for a fifth year at NJPA's discretion.

NJPA Authorized Signatures:



NJPA DIRECTOR OF COOPERATIVE CONTRACTS
AND PROCUREMENT/ CPO SIGNATURE

Jeremy Schwartz
(NAME PRINTED OR TYPED)



NJPA EXECUTIVE DIRECTOR/CEO SIGNATURE

Chad Coquette
(NAME PRINTED OR TYPED)

Awarded on April 16, 2018

NJPA Contract # 022818-SPR

Vendor Authorized Signatures:

The Vendor hereby accepts this Contract award, including all accepted exceptions and amendments.

Vendor Name Spartan Motors USA, Inc.

Authorized Signatory's Title Account Manager



VENDOR AUTHORIZED SIGNATURE

Stephen Carleton
(NAME PRINTED OR TYPED)

Executed on April 11, 2018

NJPA Contract # 022818-SPR



EMERGENCY RESPONSE

Charlotte, MI | Brandon, SD | Ephrata, PA | P: 517,543,6400
SPARTANMOTORS.COM



Vendor Contract #022818-SPR

February 1, 2019

City of Chattanooga
Member #98923
3211 Belle Arbor Ave
Chattanooga, TN 37406-3636

We are pleased to offer to you two (2) 1250 gallon per minute PM/ 2000 gallon capacity US Tanker fire apparatus through the Sourcewell contract based on the provided specifications and drawings.

Category #SD-02	Standard Price	\$322,359.81
Options		\$ 2,082.19
Sourcewell Discount		\$ 21,768.00
Sourcewell Contract Fee		\$ 1,000.00 per unit
Discount Percentage		6.6887%
Total Contract Price		\$ 607,348.00 (303,674.00 each)

Prices above do not include any Federal, State or local taxes.

We look forward to providing your agency with an industry leading apparatus. Our legacy of expertise means your apparatus is built from the ground up on a foundation ready to handle your specific response equipment and route needs. We work with you to strategically configure your truck's specs into a design that represents the best possible mix of safety, speed, agility, ergonomics, and serviceability. And we don't stop once the truck is delivered.



A SPARTAN MOTORS BRAND

Spartan Motors USA, Inc.



A SPARTAN MOTORS BRAND

Prepared for:

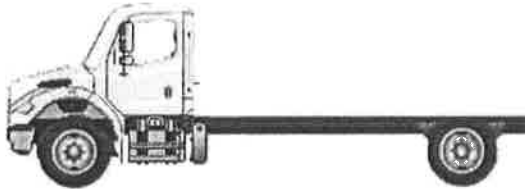
US Tanker Company
PO Box 8
Snyder, NE 68664
Phone: 262-763-6220

A proposal for
US Tanker Company

Prepared by
TRUCK COUNTRY OF WISCONSIN, INC
Bill Haasl

Jan 25, 2019

Freightliner M2 106



Components shown may not reflect all spec'd options and are not to scale

Prepared for:

US Tanker Company
PO Box 8
Snyder, NE 68664
Phone: 262-763-6220

S P E C I F I C A T I O N P R O P O S A L

Description	Weight Front	Weight Rear
Price Level		
M2 PRL-18M (EFF:04/17/18)		
Data Version		
SPECPRO21 DATA RELEASE VER 002		
Interior Convenience/Driver Retention Package		
INTERIOR CONVENIENCE PACKAGE		
Vehicle Configuration		
M2 106 CONVENTIONAL CHASSIS	5,709	3,503
2020 MODEL YEAR SPECIFIED		
SET BACK AXLE - TRUCK		
STRAIGHT TRUCK PROVISION		
LH PRIMARY STEERING LOCATION		
General Service		
TRUCK CONFIGURATION		
DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
FIRE SERVICE		
EMERGENCY VEHICLES BUSINESS SEGMENT		
LIQUID BULK COMMODITY		
TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
MAXIMUM 8% EXPECTED GRADE		
SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
MEDIUM TRUCK WARRANTY		
EXPECTED FRONT AXLE(S) LOAD : 14600.0 lbs		
EXPECTED REAR DRIVE AXLE(S) LOAD : 30000.0 lbs		
EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 44600.0 lbs		
Truck Service		

Prepared for:

US Tanker Company
PO Box 8
Snyder, NE 68664
Phone: 262-763-6220

FIRE TANK - NO MAIN DRIVELINE DRIVEN
SPLIT-SHAFT PTO/PUMP
U.S. TANK
EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE
FRAME "XX" INCHES : 32.0 in

Engine

CUM L9 350EV HP @ 2000 RPM, 2200 GOV RPM , 640 30
1000 LB/FT @ 1400 RPM

Electronic Parameters

60 MPH ROAD SPEED LIMIT
CRUISE CONTROL SPEED LIMIT SAME AS
ROAD SPEED LIMIT
PTO MODE ENGINE RPM LIMIT - 1100 RPM
PTO RPM WITH CRUISE SET SWITCH - 700 RPM
PTO RPM WITH CRUISE RESUME SWITCH - 800
RPM
PTO MODE CANCEL VEHICLE SPEED - 5 MPH
PTO GOVERNOR RAMP RATE - 250 RPM PER
SECOND
PTO MINIMUM RPM - 700
RFGFN INHIBIT SPEED THRESHOLD - 5 MPH

Engine Equipment

2016 ONBOARD DIAGNOSTICS/2010
EPA/CARB/FINAL GHG17 CONFIGURATION
NO 2008 CARB EMISSION CERTIFICATION
STANDARD OIL PAN
ENGINE MOUNTED OIL CHECK AND FILL
ONE PIECE VALVE COVER
SIDE OF HOOD AIR INTAKE WITH NFPA
COMPLIANT EMBER SCREEN AND FIRE
RETARDANT DONALDSON AIR CLEANER
LN 12V 320 AMP 4962PA PAD MOUNT 10
ALTERNATOR
(2) DTNA GENUINE, FLOODED STARTING, MIN
2250CCA, 390RC, THREADED STUD BATTERIES
BATTERY BOX FRAME MOUNTED
STANDARD BATTERY JUMPERS
SINGLE BATTERY BOX FRAME MOUNTED LH
SIDE UNDER CAB
WIRE GROUND RETURN FOR BATTERY CABLES
WITH ADDITIONAL FRAME GROUND RETURN
NON-POLISHED BATTERY BOX COVER
NO CAB AUXILIARY POWER WIRING

Prepared for:

US Tanker Company
PO Box 8
Snyder, NE 68664
Phone: 262-763-6220

POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	8	
POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR		
AIR COMPRESSOR DISCHARGE LINE		
GVG, FIRE AND EMERGENCY SERVICE VEHICLES ENGINE WARNING		
C-BRAKE BY JACOBS WITH LOW/OFF/HIGH BRAKING DASH SWITCH	80	
RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE EXITING FORWARD OF REAR TIRES	10	5
ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD ACTIVE REGENERATION AND DASH MOUNTED SINGLE REGENERATION REQUEST/INHIBIT SWITCH		
STANDARD EXHAUST SYSTEM LENGTH		
RH HORIZONTAL TAILPIPE, EXIT FORWARD OF REAR TIRES AT 90 DEGREES	20	20
6 GALLON DIESEL EXHAUST FLUID TANK		
100 PERCENT DIESEL EXHAUST FLUID FILL		
LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
STANDARD DIESEL EXHAUST FLUID TANK CAP		
HORTON DRIVEMASTER ADVANTAGE ON/OFF FAN DRIVE		
AUTOMATIC FAN CONTROL WITH DASH SWITCH AND INDICATOR LIGHT, NON ENGINE MOUNTED		
CUMMINS SPIN ON FUEL FILTER		
COMBINATION FULL FLOW/BYPASS OIL FILTER		
1100 SQUARE INCH ALUMINUM RADIATOR	70	
ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		

Prepared for:

US Tanker Company
PO Box 8
Snyder, NE 68664
Phone: 262-763-6220

RADIATOR DRAIN VALVE
LOWER RADIATOR GUARD
ALUMINUM FLYWHEEL HOUSING
ELECTRIC GRID AIR INTAKE WARMER
DELCO 12V 39MT HD/OCP STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH 15

Transmission

ALLISON 3000 EVS AUTOMATIC TRANSMISSION WITH PTO PROVISION 200 60

Transmission Equipment

ALLISON VOCATIONAL PACKAGE 198 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODEL EVS
ALLISON VOCATIONAL RATING FOR FIRE TRUCK/EMERGENCY VEHICLE APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES
PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 5, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY
SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 5, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY
PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE
SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE
PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE
SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE
ENGINE BRAKE RANGE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE
ENGINE BRAKE RANGE ALTERNATE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE
LOAD BASED SHIFT SCHEDULE AND VEHICLE ACCELERATION CONTROL RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED VOCATIONAL USAGE
NEUTRAL AT STOP - DISABLED, FUELSENSE - DISABLED

Prepared for:

US Tanker Company
PO Box 8
Snyder, NE 68664
Phone: 262-763-6220

DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES
VEHICLE INTERFACE WIRING CONNECTOR WITH BLUNT CUTS, AT BACK OF CAB
ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED
CUSTOMER INSTALLED CHELSEA 277 SERIES PTO
PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION
MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN
PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED
TRANSMISSION PROGNOSTICS - ENABLED 2013
WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK
TRANSMISSION OIL CHECK AND FILL WITH CROSSOVER TO CLEAR LH PTO AND DIRECT MOUNT PUMP
SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)

Front Axle and Equipment

N	MFS-14-143A 14,700# FF1 71.5 INCH KPI/3.74 INCH DROP SINGLE FRONT AXLE	60
	BENDIX ADB22X AIR DISC FRONT BRAKES	10
	NON-ASBESTOS FRONT BRAKE LINING	
	FRONT DISC BRAKE ROTORS	
	FRONT OIL SEALS	
	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL	
	STANDARD SPINDLE NUTS FOR ALL AXLES	
	FRONT AIR DISC BRAKE INTERNAL ADJUSTERS	
	TRW TAS-85 POWER STEERING	40
	POWER STEERING PUMP	
	2 QUART SEE THROUGH POWER STEERING RESERVOIR	
	SYNTHETIC 75W-90 FRONT AXLE LUBE	

Front Suspension

	14,600# TAPERLEAF FRONT SUSPENSION	170
	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION	
	FRONT SHOCK ABSORBERS	

Prepared for:

US Tanker Company,
PO Box 8
Snyder, NE 68664
Phone: 262-763-6220

Rear Axle and Equipment

	RS-30-185 31,000# U-SERIES FIRE/EMERGENCY SERVICE SINGLE REAR AXLE		300
	5.38 REAR AXLE RATIO		
	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
	MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	20	20
N	MERITOR 16.5X7 P CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, CAST SHOES		20
	FIRE AND EMERGENCY SEVERE SERVICE NON-ASBESTOS REAR BRAKE LINING		
	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)		
	WEBB CAST IRON REAR BRAKE DRUMS		50
	REAR OIL SEALS		
	BENDIX EVERSURE LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS		
	HALDEX AUTOMATIC REAR SLACK ADJUSTERS		
	SYNTHETIC 75W-90 REAR AXLE LUBE		

Rear Suspension

	31,000# FLAT LEAF SPRING REAR SUSPENSION WITH HELPER AND RADIUS ROD FOR FIRE/EMERGENCY SERVICE		180
	SPRING SUSPENSION - 1.50" AXLE SPACER		10
	STANDARD AXLE SEATS IN AXLE CLAMP GROUP		
	FORE/AFT CONTROL RODS		

Brake System

	AIR BRAKE PACKAGE		
	WABCO 4S/4M ABS WITH TRACTION CONTROL, WITH ATC OFF-ROAD SWITCH		
	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
	FIBER BRAID PARKING BRAKE HOSE		
	STANDARD BRAKE SYSTEM VALVES		
	STANDARD AIR SYSTEM PRESSURE PROTECTION AND 85 PSI PRESSURE PROTECTION FOR AIR HORN(S)		
	STD U.S. FRONT BRAKE VALVE		
	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
	BW AD-9 BRAKE LINE AIR DRYER WITH HEATER	20	
	AIR DRYER MOUNTED INBOARD ON LH RAIL		

Prepared for:

US Tanker Company
PO Box 8
Snyder, NE 68664
Phone: 262-763-6220

STEEL AIR TANKS MOUNTED AFT INSIDE
AND/OR BELOW FRAME JUST FORWARD OF
REAR SUSPENSION
CLEAR FRAME RAILS 36 INCHES FROM BACK
OF CAB INSIDE/OUTBOARD/BELOW BOTH
FRAME RAILS
BW DV-2 AUTO DRAIN VALVE WITH HEATER -
WET TANK

Trailer Connections

UPGRADED CHASSIS MULTIPLEXING UNIT
UPGRADED BULKHEAD MULTIPLEXING UNIT

Wheelbase & Frame

5375MM (212 INCH) WHEELBASE
7/16X3-9/16X11-1/8 INCH STEEL FRAME 330 290
(11.11MMX282.6MM/0.437X11.13 INCH) 120KSI
1500MM (59 INCH) REAR FRAME OVERHANG
FRAME OVERHANG RANGE: 51 INCH TO 60 10 -50
INCH
CALC'D BACK OF CAB TO REAR SUSP C/L (CA) :
146.05 in
CALCULATED EFFECTIVE BACK OF CAB TO
REAR SUSPENSION C/L (CA) : 143.05 in
CALC'D FRAME LENGTH - OVERALL : 300.09
CALC'D SPACE AVAILABLE FOR DECKPLATE :
146.45 in
CALCULATED FRAME SPACE LH SIDE : 111.33
in
CALCULATED FRAME SPACE RH SIDE : 216.38
in
SQUARE END OF FRAME
FRONT CLOSING CROSSMEMBER
STANDARD WEIGHT ENGINE CROSSMEMBER
STANDARD CROSSMEMBER BACK OF
TRANSMISSION
STANDARD MIDSHIP #1 CROSSMEMBER(S)
STANDARD REARMOST CROSSMEMBER
STANDARD SUSPENSION CROSSMEMBER

Chassis Equipment

THREE-PIECE 14 INCH CHROME STEEL 30
BUMPER WITH COLLAPSIBLE ENDS AND LH
WING CUTOUT FOR FEDERAL
MS100/ES100/ES100C SPEAKER
FRONT TOW HOOKS - FRAME MOUNTED 15

Prepared for:

US Tanker Company
PO Box 8
Snyder, NE 68664
Phone: 262-763-6220

N	BUMPER MOUNTING FOR SINGLE LICENSE PLATE	
	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS	
	GRADE 8 THREADED HEX HEADED FRAME FASTENERS	
	CUSTOMER REQUESTS (1) COPY STANDARD BODY BUILDER DIAGRAM 2D DXF/PDF FORMAT ELECTRONICALLY TRANSMITTED	
	TANK BODY 1501 TO 3000 GALLONS	
Fuel Tanks		
	50 GALLON/189 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH	20
	RECTANGULAR FUEL TANK(S)	
	POLISHING OF FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS	
	FUEL TANK(S) FORWARD	
	POLISHED STAINLESS STEEL STEP FINISH	
	FUEL TANK CAP(S)	
	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR	-5
	EQUIFLO INBOARD FUEL SYSTEM	
	NO NATURAL GAS VEHICLE FUEL TANK VENT LINE/STACK	
	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE	
Tires		
	MICHELIN X WORKS Z 12R22.5 16 PLY RADIAL FRONT TIRES	76
	MICHELIN X WORKS Z 315/80R22.5 20 PLY RADIAL REAR TIRES	200
Hubs		
	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS	
	WEBB IRON REAR HUBS	70
Wheels		
	ALCOA LVL ONE 88367X 22.5X8.25 10-HUB PILOT 5.79 INSET ALUMINUM DISC FRONT WHEELS	-50
	ALCOA ULTRA ONE 89U64X 22.5X9.00 10-HUB PILOT 5.99 INSET ALUMINUM REAR WHEELS	-56
	POLISHED FRONT WHEELS; OUTSIDE ONLY	
	POLISHED REAR WHEELS; OUTSIDE OF OUTER WHEELS ONLY	

Prepared for:

US Tanker Company
PO Box 8
Snyder, NE 68664
Phone: 262-763-6220

FRONT WHEEL MOUNTING NUTS
REAR WHEEL MOUNTING NUTS

Cab Exterior

106 INCH BBC FLAT ROOF ALUMINUM
CONVENTIONAL CAB
AIR CAB MOUNTING
CAB ROOF REINFORCEMENTS FOR ROOF
MOUNTED COMPONENTS 2
LH AND RH EXTERIOR GRAB HANDLES WITH
SINGLE RUBBER INSERT
HOOD MOUNTED CHROMED PLASTIC GRILLE
CHROME HOOD MOUNTED AIR INTAKE GRILLE
FIBERGLASS HOOD
TUNNEL/FIREWALL LINER
DUAL 25 INCH ROUND STUTTER TONE HOOD
MOUNTED AIR HORNS 8
DUAL ELECTRIC HORNS
DUAL HORN SHIELDS
DOOR LOCKS AND IGNITION SWITCH KEYED
THE SAME
REAR LICENSE PLATE MOUNT END OF FRAME
INTEGRAL HEADLIGHT/MARKER ASSEMBLY
WITH CHROME BEZEL
LED AERODYNAMIC MARKER LIGHTS
DAYTIME RUNNING LIGHTS
OMIT STOP/TAIL/BACKUP LIGHTS AND
PROVIDE WIRING WITH SEPARATE STOP/TURN
WIRES TO 4 FEET BEYOND END OF FRAME -5
STANDARD FRONT TURN SIGNAL LAMPS
DUAL WEST COAST BRIGHT FINISH HEATED
MIRRORS WITH LH AND RH REMOTE
DOOR MOUNTED MIRRORS
102 INCH EQUIPMENT WIDTH
LH AND RH 8 INCH BRIGHT FINISH CONVEX
MIRRORS MOUNTED UNDER PRIMARY
MIRRORS
STANDARD SIDE/REAR REFLECTORS
RH AFTERTREATMENT SYSTEM CAB ACCESS
WITH POLISHED DIAMOND PLATE COVER
63X14 INCH TINTED REAR WINDOW
TINTED DOOR GLASS LH AND RH WITH TINTED
NON-OPERATING WING WINDOWS
RH AND LH ELECTRIC POWERED WINDOWS,
PASSENGER SWITCHES ON DOOR(S) 4

Prepared for:

US Tanker Company
PO Box 8
Snyder, NE 68664
Phone: 262-763-6220

TINTED WINDSHIELD
2 GALLON WINDSHIELD WASHER RESERVOIR
WITHOUT FLUID LEVEL INDICATOR, FRAME
MOUNTED

Cab Interior

OPAL GRAY VINYL INTERIOR
MOLDED PLASTIC DOOR PANEL WITHOUT
VINYL INSERT WITH ALUMINUM KICKPLATE
LOWER DOOR
MOLDED PLASTIC DOOR PANEL WITHOUT
VINYL INSERT WITH ALUMINUM KICKPLATE
LOWER DOOR
BLACK MATS WITH SINGLE INSULATION
FORWARD ROOF MOUNTED CONSOLE WITH
UPPER STORAGE COMPARTMENTS WITHOUT
NETTING
IN DASH STORAGE BIN
(2) CUP HOLDERS LH AND RH DASH
GRAY/CHARCOAL FLAT DASH
SMART SWITCH EXPANSION MODULE
HEATER, DEFROSTER AND AIR CONDITIONER
STANDARD HVAC DUCTING
MAIN HVAC CONTROLS WITH RECIRCULATION
SWITCH
STANDARD PLUMBING WITH SHUTOFF VALVES
DENSO HEAVY DUTY AIR CONDITIONER
COMPRESSOR
BINARY CONTROL, R-134A
PREMIUM INSULATION
SOLID-STATE CIRCUIT PROTECTION AND
FUSES
12V NEGATIVE GROUND ELECTRICAL SYSTEM
DOME DOOR ACTIVATED LH AND RH, DUAL
READING LIGHTS, FORWARD CAB ROOF
LH AND RH ELECTRIC DOOR LOCKS
(2) 12 VOLT POWER RECEPTACLES MOUNTED
IN DASH
SEATS INC 911 UNIVERSAL SERIES HIGH BACK 50
AIR SUSPENSION DRIVER SEAT WITH NFPA
1901-2009/2016 COMPLIANT SEAT SENSOR
SEATS INC 911 2 MAN MID BACK NON 105 50
SUSPENSION PASSENGER SEAT WITH NFPA
2009 COMPLIANT SEAT SENSORS
LH AND RH INTEGRAL DOOR PANEL
ARMRESTS

Prepared for:

US Tanker Company
PO Box 8
Snyder, NE 68664
Phone: 262-763-6220

GRAY VINYL DRIVER SEAT COVER WITH GRAY
CORDURA CLOTH BOLSTER AND HEADREST
BLACK CORDURA PLUS CLOTH PASSENGER
SEAT COVER
NFPA 1901-2009 HIGH VISIBILITY ORANGE SEAT
BELTS
ADJUSTABLE TILT AND TELESCOPING 10
STEERING COLUMN
4-SPOKE 18 INCH (450MM) STEERING WHEEL
DRIVER AND PASSENGER INTERIOR SUN
VISORS

Instruments & Controls

WOODGRAIN DRIVER INSTRUMENT PANEL
WOODGRAIN CENTER INSTRUMENT PANEL
ENGINE REMOTE INTERFACE WITH PARK
BRAKE AND NEUTRAL INTERLOCKS
BLACK GAUGE BEZELS
LOW AIR PRESSURE INDICATOR LIGHT AND
AUDIBLE ALARM
2 INCH PRIMARY AND SECONDARY AIR
PRESSURE GAUGES
ENGINE COMPARTMENT MOUNTED AIR
RESTRICTION INDICATOR WITH GRADUATIONS,
WITH WARNING LIGHT IN DASH
ELECTRONIC CRUISE CONTROL WITH
SWITCHES IN LH SWITCH PANEL
IGNITION SWITCH WITH NON REMOVABLE KEY
ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28
LED WARNING LAMPS AND DATA LINKED
HEAVY DUTY ONBOARD DIAGNOSTICS
INTERFACE CONNECTOR LOCATED BELOW LH
DASH
2 INCH ELECTRIC FUEL GAUGE
ENGINE REMOTE INTERFACE WITH MULTIPLE
SET SPEEDS
ENGINE REMOTE INTERFACE CONNECTOR AT
BACK OF CAB
ELECTRICAL ENGINE COOLANT TEMPERATURE
GAUGE
2 INCH TRANSMISSION OIL TEMPERATURE
GAUGE
ENGINE AND TRIP HOUR METERS INTEGRAL
WITHIN DRIVER DISPLAY
CUSTOMER FURNISHED AND INSTALLED PTO
CONTROLS
ELECTRONIC STABILITY CONTROL

Prepared for:

US Tanker Company
PO Box 8
Snyder, NE 68664
Phone: 262-763-6220

ELECTRIC ENGINE OIL PRESSURE GAUGE
OVERHEAD INSTRUMENT PANEL
NFPA VEHICLE DATA RECORDER AND
SEATBELT DISPLAY
AM/FM/WB WORLD TUNER RADIO WITH
BLUETOOTH AND USB AND AUXILIARY INPUTS,
J1939
DASH MOUNTED RADIO
(2) RADIO SPEAKERS IN CAB
AM/FM ANTENNA MOUNTED ON FORWARD LH
ROOF
ELECTRONIC MPH SPEEDOMETER WITH
SECONDARY KPH SCALE, WITHOUT
ODOMETER
STANDARD VEHICLE SPEED SENSOR
ELECTRONIC 3000 RPM TACHOMETER
IDLE LIMITER, ELECTRONIC ENGINE
(1) RH FOOT SWITCH WITH DASH SWITCH FOR
HORN BUTTON TO CONTROL AIR HORN,
DEFAULT TO ELECTRIC <85 PSI
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH
DRIVER DISPLAY
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR
WITH DELAY
MARKER LIGHT SWITCH INTEGRAL WITH
HEADLIGHT SWITCH
ONE VALVE PARKING BRAKE SYSTEM WITH
WARNING INDICATOR
SELF CANCELING TURN SIGNAL SWITCH WITH
DIMMER, WASHER/WIPER AND HAZARD IN
HANDLE
INTEGRAL ELECTRONIC TURN SIGNAL
FLASHER WITH HAZARD LAMPS OVERRIDING
STOP LAMPS

10

Design

* PAINT: ONE SOLID COLOR

Color

* CAB COLOR A: PPG FBCH 74035 RED
MATCH FBCH 74035 RED
BLACK, HIGH SOLIDS POLYURETHANE
CHASSIS PAINT
STANDARD E COAT/UNDERCOATING

Certification / Compliance

U.S. FMVSS CERTIFICATION, EXCEPT SALES
CABS AND GLIDER KITS

Prepared for:

US Tanker Company
PO Box 8
Snyder, NE 68664
Phone: 262-763-6220

Raw Performance Data

CALC'D FRAME LENGTH - OVERALL : 300.09
CALCULATED EFFECTIVE BACK OF CAB TO
REAR SUSPENSION C/L (CA) : 143.05 in
CALC'D SPACE AVAILABLE FOR DECKPLATE :
146.45 in

Sales Programs

NO SALES PROGRAMS HAVE BEEN SELECTED

TOTAL VEHICLE SUMMARY

Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight*	7699 lbs	4697 lbs	12396 lbs
Total Weight*	7699 lbs	4697 lbs	12396 lbs

Extended Warranty

TOWING: 1 YEAR/UNLIMITED MILES/KM EXTENDED TOWING
COVERAGE \$550 CAP FEX APPLIES

(+) Weights shown are estimates only.
If weight is critical, contact Customer Application Engineering.

CHATTANOOGA FD
 2000 GALLON
 CHASSIS: FREIGHTLINER M2106
 TOTAL GVWR: 44,600 LBS
 PUMP: WATEROUS CX 1250 GPM
 REV: 1/24/19

USTBID
 53"X77"X159" LG
 147 CA

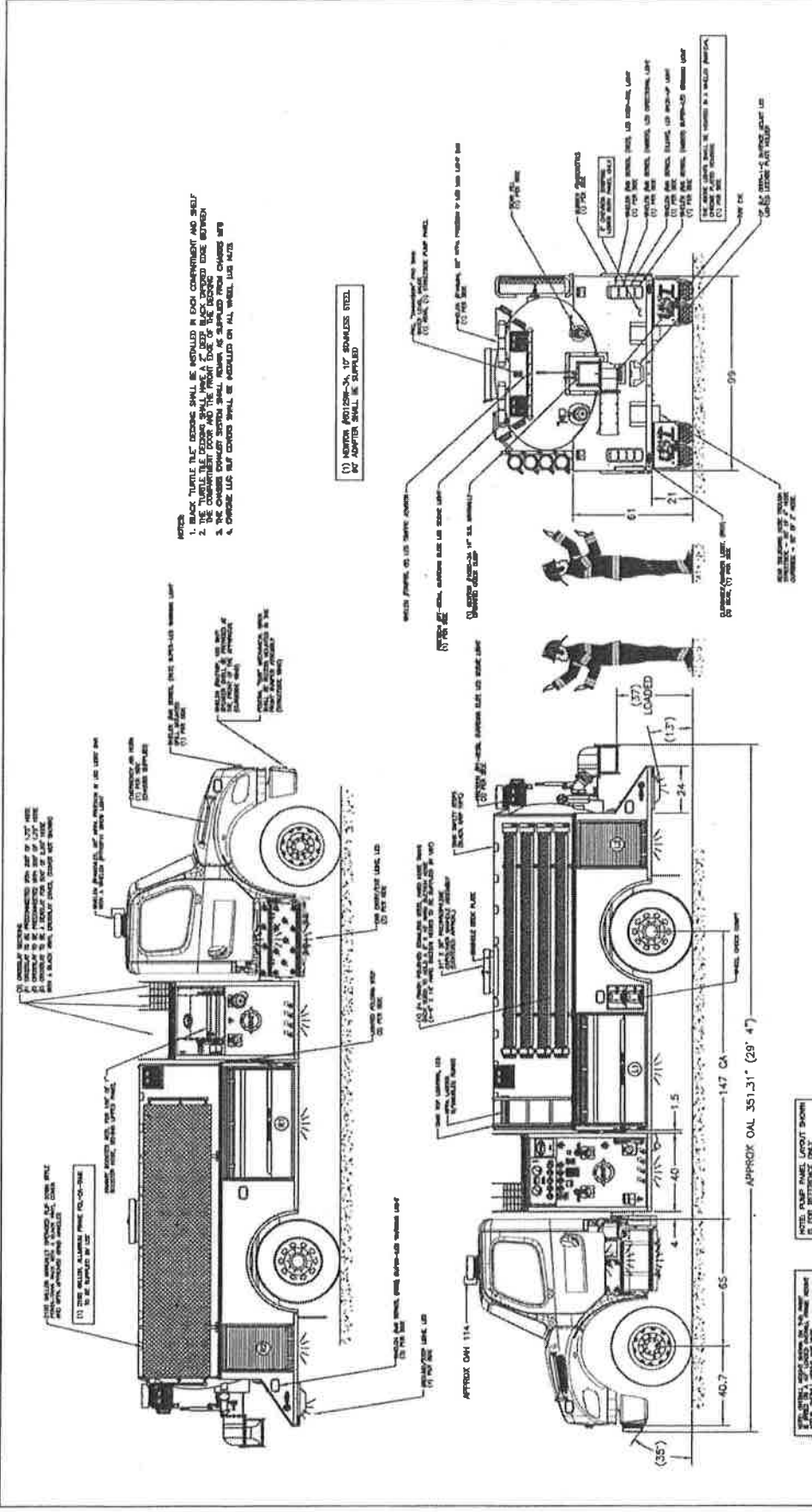
CHASSIS WEIGHT - FRONT	7,629
CHASSIS WEIGHT - REAR	4,697
WHEEL BASE	212.00

(CHASSIS SPEC WTS)

	TOTAL WEIGHT (POUNDS)	DISTANCE FROM FRONT AXLE (INCHES)
OCCUPANTS - ROW 1	750	48.00
	0	0.00
WRAP	375	191.50
SUBFRAME	725	191.50
FUEL	417	48.00
PMP/HSG/PRECONNS/BR	2,250	89.00
WATER	16,868	191.50
TANK	1,650	191.50
BODY	2,100	191.50
(4) TIER HH RACK W/HOSE	265	201.50
PORTA TANK	210	202.00
FRONT COMPT	800	141.62
REAR COMPT	200.00	256.50
TOTAL WEIGHT	38,936	

	WEIGHT FRONT	WEIGHT REAR
CHASSIS	7,629	4697.00
OCCUPANTS - ROW 1	580	169.81
	0	0.00
WRAP	36	338.74
SUBFRAME	70	654.89
FUEL	323	94.42
PMP/HSG/PRECONNECTS	1,305	944.58
WATER	1,631	15236.90
TANK	160	1490.45
BODY	203	1896.93
(4) TIER HH RACK W/HOSE	13	251.88
PORTA TANK	10	200.09
LADDER RACK WITH LADDERS	266	534.42
EQUIPMENT	-42	241.98

TOTAL WEIGHT	12183.92	26752.08
PERCENT	31%	69%
ACTUAL GVWR OF CHASSIS	14600.00	30000.00



CUSTOMER APPROVAL

THIS DRAWING IS ONLY A REPRESENTATION OF THE PRODUCT. THE LOCATION OF COMPONENTS MAY VARY FROM THE DRAWING. THE CUSTOMER SHALL BE RESPONSIBLE FOR ANY CHANGES TO THE DRAWING. APPROVE WITH SIGNATURE AND DATE.

APPROVED: _____ DATE: _____

CONCEPT: OR APPROVAL: OR

THIS DRAWING IS FOR REFERENCE ONLY

SCALE: 1/2" = 1'-0"

SHEET: 1 OF 1

REV: 1/24/14

LST
A SPARTAN MOTORS BRAND

907 7TH AVE. N.
BRANDON, SD 57005
PHONE: 1-(800)-279-4911
WEBSITE: WWW.LSTAKEER.COM

COMPARTMENTATION	WIDTH	HEIGHT	DEPTH
STREET/CURB - L1/R1	80"	37.5"	27"
STREET/CURB - L2/R2	84"	37.5"	27"

QUOTATION

UST Fire Apparatus

CHATTANOOGA FIRE DEPARTMENT
 910 WISDOM ST
 CHATTANOOGA, TN 37406
 423-643-5600

Quote No: JR001-2293
 01/28/2019

S	PG	PART NO	DESCRIPTION
== 2000 GALLON TANKER/PUMPER (PATRIOT SERIES) ==			
S	1	1A-W0-1503	Warranty SS Body - (30/10/10/2)
	1	1A-W0-4100	Warranty (UPF Patriot)
S	2	1C-60-2000	2000 Gallon Water Tank (UPF)
S	2	1C-70-1000	Tank Construction and Mounting SS (1500 - 2000 Gallons)
	3	1C-90-0000	Additional 6" Tank Vent/Overflow
	4	1C-A0-1000	Tank Exterior (Wrapped - Mirror Finish) 1800-2000 Gallons
	4	1C-C0-4000	Tank Top Black Grip Tape Steps
S	4	1C-DA-1000	Rear Dump System - Single Newton - Manual
	4	1C-DA-2200	90 Degree - Left/Right Rear Dump Swivel (Newton)
	4	1C-F2-0000	Rear Fill 2-1/2" (Rearhead)
S	4	1C-F4-1000	Rear Fill - One (1) 4" (Storz) (Rear Head)
S	4	1D-00-0500	Apparatus Body and Construction - SS (Single Axle)
S	5	1D-00-7540	Fenderettes - Rubber (Single Axle)
	5	1D-00-9500	Rear Platform
S	5	1D-00-9600	Rear Tailboard Hose Troughs
S	5	1E-00-2000	Compartmentation (SS)
	5	1E-02-2100	Compartment Doors - R.O.M Corp Series IV
S	6	1E-03-2000	Adjustable Shelves
	6	1E-03-4000	Compartment Decking
	6	1E-03-5000	Compartment Decking - Tapered Edge (Black)
S	6	1E-02-5200	Wheel Chock Storage Compartment
	7	1E-03-7000	Body Cosmetics (Alum. Dia. Plt.)
	7	1E-04-0000	Ladder for Tank - NFPA
	7	1E-04-2200	Folding Steps - Front of Body (Two (2) Each Side)
	7	1E-05-1500	Porta-Tank Rack (2100)
	7	1E-11-2000	Vinyl Cover (Flip Down Porta-Tank Rack)
S	8	1E-HT-3100	Hard Hose Trays (4-Tier) #4 Stainless Steel
	8	1F-B0-0000	Paint Procedure (Single Axle Tanker)
	8	1F-B1-0000	Chassis Paint - Single Color (Chassis Supplied)
	8	1F-C0-1000	Touch-Up Paint & Assorted Fasteners
	9	1F-C0-1500	Anti-Corrosion Protection
S	9	1F-C0-4100	NFPA Striping (1"-4")
	9	1F-C0-4730	NFPA Striping Color (Black)
S	9	1F-C0-9000	Chevron Striping (Lower Panel)
	9	1F-C0-9200	Standing and/or Walking Surface Outline (NFPA)
S	9	1F-C0-5000	Lettering (Reflective)
	10	1G-00-6500	Chassis Modifications
S	10	1F-C0-3500	Wheel Dress-Up Kit (Chrome Lug Nuts Only)
	10	1F-C0-3700	Tire Pressure Indicators - RealWheels LED AirGuard®
	11	1G-00-7100	Exhaust Modifications (Factory)
	11	1G-00-8100	Rear Apparatus Body Mud Flaps
	11	1G-00-9000	Air Outlet Valve
	11	1G-01-2000	Fuel Tank Enclosure - Alum. Diamond Plate
	11	1G-01-2900	Entrance Step Enclosure - Alum. Diamond Plate
	11	1G-T0-3500	Tow Eye
	11	1J-00-0300	Electrical System (V-MUX)
	13	1J-00-0350	Electrical System Testing
	15	1J-00-0930	Vehicle Data Recorder & Seat Belt Warning System - Weldon (Chassis Supplied)
	15	1J-01-2000	Cab Dash for Electrical
	15	1J-12-0000	Electrical Schematics
	15	1J-16-0000	Rocker Switch Panel - 6 to 8 Place (UST Std)

S	PG	PART NO	DESCRIPTION
S	15	1J-50-0100	Radio (Power & Ground)
S	15	1J-50-0500	Antenna Installation
S	15	1J-65-0000	External Radio Speaker
	15	1J-B0-0000	DOT & ICC Lighting (PATRIOT)
S	16	1J-B0-1600	Stop-Tail/Turn/Back-Up Lights (Whelen M6 Series LED Lights)
	16	1J-B0-2000	Back-Up Alarm
	16	1J-BH-0000	Hazard Light
	16	1J-BL-0000	License Plate Holder (Cast Products)
S	16	1J-BN-2000	Siren - Whelen - 295SLSA1
S	17	1J-BS-3900	Speaker - Whelen #SA315P
S	17	1J-BT-2500	Siren - Q2B-NN
	17	1J-C0-1250	Brow Light - Whelen Dual Pioneer LED (Mounted in Front of Freedom Light Bar)
S	17	1J-C0-3002	Rear Scene Lights (Patriot) FireTech Guardian Elite 12V LED
S	17	1J-C0-3302	Side Scene Lights (Front) (Patriot) FireTech Guardian Elite 12V LED
S	17	1J-C0-3502	Side Scene Lights (Rear) (Patriot) FireTech Guardian Elite 12V LED
	17	1J-C3-0800	Tank Top Lighting - LED
S	17	1J-C3-1200	Cab Entry/Exit Lighting - LED
S	18	1J-C3-1000	Ground/Step Lights - LED
	18	1J-C3-1150	Rear Platform Work Lights - LED
	18	1J-C3-2200	Compartment Lighting (OnScene-LED) - With Roll-Up or Hinged Doors
	18	1J-C3-2400	Engine Compartment Light - LED
	18	1J-H0-0500	Air Horns, Chassis Supplied
S	18	1J-SO-7200	Whelen #TANF85 - 45.12" LED Traffic Advisor
	18	1J-W1-7000	Water Level Gauge - FRC - Rear of Apparatus
	19	1J-W1-7500	Water Level Gauge - FRC - Pump Panel
	19	1L-C2-9000	NFPA Certified Lighting Requirements
S	19	1L-WE-0300	Whelen - NFPA M6 series LED Lighting Pkg W/60" Freedom IV Light Bar
		1P-AA-0000	PUMP SECTION
S	20	1P-WS-2000	Single Stage (CX 1250 GPM) Waterous (PTO)
	21	1P-X0-1000	Priming Pump - Trident Manual AirPrime (1250 GPM and Larger Pumps)
	21	1Q-A0-1500	PTO "Hot Shift" (750 Pumps & Larger)
S	22	1Q-A0-1800	Pump in Motion
	22	1Q-A0-3010	Pump Shift Electric (PTO, Auto. Trans.)
	22	1R-00-1000	2-1/2" Aux. Suction Inlet (Streetside)
	22	1R-00-6000	6" Suction Inlets (Non-Gated)
	22	1R-05-5000	Two (2) 2-1/2" Streetside Discharges
	22	1R-05-8000	One (1) 2-1/2" Curbside Discharge
S	22	1R-06-3600	One (1) 4" Storz Curbside LDH Discharge (4" Manual Valve)
S	23	1R-09-3600	Booster Reel 150' of 1" - Hannay (In Pump House - Behind Upper CS Access Door)
	23	1R-10-2100	Drain Valves (Lift-Up and/or Automatic) - IC
	23	1R-10-3000	Master Drain
	23	1R-10-5500	Tank To Pump 3" (Manual)
	23	1R-10-6200	Tank Refill 2"
	23	1R-10-7100	Pump Piping, General Specifications (Stainless Steel)
	24	1R-10-8000	Valves for Pump Operation (Akron)
S	24	1R-20-0000	Suction Pressure Relief Valve, Elkhart
	24	1R-20-2000	Heat Exchanger
	24	1R-40-0050	Pump House Enclosure - Side Mount - Line-X Panels
S	25	1R-40-3550	Pump House Side Panel Lighting LED
S	25	1R-60-1000	Crosslay Preconnects - Two (2) 1-3/4"
	25	1R-70-1100	Crosslay Cover - Vinyl (Black)
S	25	1R-80-0101	Pump Operator's Control Panel (Governor)
	26	1R-80-3710	Fire Research "PumpBoss 400" Pressure Governor
S	27	1E-02-5000	Speaker Compartment (CPI)
	28	1R-89-1000	Color Coded Identification Plates
	28	1R-90-0000	Pump Safety Features - PTO - Automatic Trans.
	28	1R-90-3000	Pump Certification Test - U.L.
	29	1R-90-4000	N.F.P.A. Tag Requirements
	30	1R-90-4500	NFPA 1901-2016 Compliance Tests
	31	1A-00-9000	Manuals
	31	1T-00-0000	Additional Equipment - To Be Supplied
S	32	1T-00-1300	Wheel Chocks (Worden)
	32	1T-01-4500	Road Safety Kit
S	32	1T-03-1500	Suction Hose - 6"
	32	1T-04-4150	Fol-Da-Tank - 2100 Gallon - Alum. Frame

CHATTANOOGA FIRE DEPARTMENT

WARRANTY

UST - A Spartan Motors Brand, warrants the new fire apparatus to be free from manufacturing defects in material and workmanship.

Thirty (30) year warranty on the stainless steel frame and body assembly against full perforation as a result of rust or corrosion and failure of structural integrity due to manufacturing defects in material and workmanship.

Ten (10) year warranty on the stainless steel plumbing against full perforation as a result of rust or corrosion and failure of structural integrity due to manufacturing defects in material and workmanship.

Ten (10) year prorated warranty on the exterior paint and finish against blistering, peeling or bubbling arising from manufacturing defects in material or workmanship. In addition the exterior paint shall be warranted against corrosion perforation for a prorated period of ten (10) years.

Two (2) year warranty on any item not mentioned above.

UST - A Spartan Motors Brand, obligation under this warranty is strictly limited to the repair or replacement, at the discretion of the company, of those components which upon examination by us, prove to be defective and not a result of misuse. Authorization from the company is necessary prior to any warranty work being started. All components must be returned to our factory, freight prepaid, within their specific warranty period.

The warranty is only valid if the apparatus is still owned by the original owner and is being used for the original anticipated end use and has not been repaired or altered outside the company's factory.

The warranty does not cover;

Normal maintenance services, adjustments or consumables which are required either in the operations or maintenance of the apparatus.

Any loss of time or use of the apparatus, inconvenience, loss or damage, whether direct or indirect, incidental, consequential or otherwise arising out of an alleged defect or failure of a component.

Any component parts or trade accessories, such as chassis, engine, tires, pumps, tanks, valves, signaling devices, batteries, radios, electric lights, bulbs, alternators, and all other installed equipment and accessories which are warranted separately by their respective manufacturers.

Any failures as a result of the introduction into or onto the apparatus of chemicals or exposure to excessive heat which may adversely react with the material and cause pitting, corrosion, blistering, peeling or bubbling.

This warranty is in lieu of all warranties, expressed or implied, or all other representations made to the purchaser, and all other obligations or liabilities, including liability for incidental or consequential damages on the part of UST - A Spartan Motors Brand. This warranty contains the entire warranty. It is the sole warranty and all agreements or representations, whether oral or written, are either merged herein or expressly canceled. We neither assume nor authorize any person supposing to act on our behalf, to modify, extend or waive any provision of this Warranty, to assume any liability on our behalf other than as set forth in this Warranty, or to make any representation or warranty concerning the merchantability of our products.

WARRANTY

UPF ELLIPSE - ELLIPTICAL TANK

CHATTANOOGA FIRE DEPARTMENT

The ALL-OUT Lifetime Warranty

UNITED PLASTIC FABRICATING, INC., warrants each UPF Ellipse Elliptical Tank to be free from manufacturing defects in material and workmanship for the service life of the original vehicle (vehicle must be actively used in fire suppression). The warranty is transferable* within the United States and Canada by notifying UPF within thirty (30) days of the vehicle transfer date. Every UPF Ellipse is thoroughly inspected and tested for leaks before leaving our facility and must be installed in accordance with the United Plastic Fabricating Installation Guidelines. Should any problems develop with your UPF Ellipse Elliptical Tank, please notify UPF in writing or call our TOLL FREE SERVICE HOT LINE 1-800-USA-POLY and provide UPF with the serial number and a description of the problem. If UPF determines that the tank problem has rendered the truck out-of-service, UPF will dispatch a service technician WITHIN 48 HOURS (2 DAYS) to repair the tank (This time period is for the United States and Canada only). If it is determined that the vehicle can remain in service, UPF will dispatch a service technician within a mutually agreed upon time period. Should the vehicle be located outside the United States and Canada, UPF will assume costs for labor and material for the repair and for any travel costs to the U.S. port of embarkation. Cost for airline or other means of travel outside of the U.S. and Canada will not be the responsibility of UPF, Inc.

UPF will repair or, at its option, replace the tank with a new UPF Ellipse. UPF will cover customary and reasonable costs to remove and install the UPF Ellipse. This warranty will not cover tanks that have been improperly installed or misused, and the serial number must not have been altered, defaced or removed. UPF will not cover unauthorized third party repairs or alterations. These actions may void the warranty.

THERE ARE NO WARRANTIES, EXPRESSED OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION OF THE FACE HEREOF. THERE IS NO EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. ADDITIONALLY, THIS WARRANTY IS IN LIEU OF ALL OTHER OBLIGATIONS OR LIABILITIES ON THE PART OF UNITED PLASTIC FABRICATING, INC..

This warranty contains the entire warranty. It is the sole warranty and the price agreements or representation, whether oral or written, are either merged herein or expressly canceled. UNITED PLASTIC FABRICATING, INC., neither assumes, nor authorizes any person supposing to act on its behalf to change, nor assume for it, any warranty or liability concerning its product.

IN NO EVENT WILL UNITED PLASTIC FABRICATING, INC., BE LIABLE FOR AN AMOUNT IN EXCESS OF THE CURRENTLY PUBLISHED RETAIL PRICE PLUS INSTALLATION AND REMOVAL COST OF THE ELLIPTICAL TANK, FOR ANY LOSS OR DAMAGE, WHETHER DIRECT OR INDIRECT, INCIDENTAL, CONSEQUENTIAL, OR OTHERWISE ARISING OUT OF FAILURE OF ITS PRODUCT.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow exclusion of limitation of incidental or consequential damage, so the above limitation or exclusion may not apply to you. Since some states do not allow limitations on the length of an implied warranty, the above limitation may not apply to you.

(*All transfers subject to approval by UPF.)

WATER TANK CAPACITY

The tank shall have a capacity of 2000 U.S. gallons. It shall have a cross section of 53" X 77" and a length of 159" inches.

TANK CONSTRUCTION AND MOUNTING

CHATTANOOGA FIRE DEPARTMENT

The water tank shall be custom built to meet the needs of the fire department. It shall be elliptical in design to benefit from the superior strength and safety of that shape. The material of construction shall be ultra high impact polypropylene copolymer using welded construction.

The use of any other type of tank or material will not be acceptable (no exceptions).

The tank shall be self-supporting and constructed by welding together a series of modules to build the complete tank. Each module shall consist of 3/4" or 1/2" dividers and a 3/8" thick shell together with one longitudinal and one transverse partition to create the baffling system.

To improve the safety of the vehicle by reducing undesired water movement while traveling, the tank will be constructed with a containment baffling system that exceeds current NFPA 1901 recommendations. The containment type baffling system shall include primary transverse partitions and end walls that shall extend down to the bottom of the support sills. Additional partitions shall be placed in an efficient design to minimize water motion and turbulence while traveling. Holes shall be cut to allow both air and water to pass through the baffles to facilitate dumping of the water (no exceptions).

Channel shaped longitudinal sill supports shall be fabricated from 3/4" polypropylene copolymer and full extrusion welded to the underside of the barrel as well as the primary transverse partitions and the end walls. Drain holes will be provided at the end of each section.

A fill tower shall be positioned approximately in the center of the tank and have an open area of no less than 480 square inches and shall be 6" above the top of the shell. The fill tower lid shall be hinged on the curbside and shall open towards the streetside of the tank. The lid shall be retained using a pull latch and sealed with a bulb type EPDM gasket. A tether shall be provided to hold the lid in an open position.

An internal overflow and venting system consisting of a 6" diameter polypropylene copolymer pipe shall be provided and fitted into the fill tower. The combination vent/overflow is permanently open to the atmosphere allowing automatic free entry and escape of air while filling or dumping. The overflow shall discharge behind the rear axle per N.F.P.A #1901. The automatic venting feature of this assembly means that the water load can be dumped quickly without any mechanical or manual operation of the vent.

A sump shall be provided on the underside of the tank with a 3" NPTF clean out port and a NPTF tank to pump suction connection. An anti-swirl plate will be provided internally to exclude cavitation during rapid suction. Note: if midship pump then the tank to pump suction connection will be located at the front head of the tank.

A discharge sump shall be provided at the rear of the tank and positioned below the bottom of the shell to allow complete evacuation during dumping. This sump shall be fabricated from 3/4" polypropylene copolymer and accommodate the installation of dump valves.

The tank shall be mounted to the truck chassis utilizing the structural tubular stainless steel body framework. Captive mounting brackets adequately sized for the tank shall be provided to attach the tank to the framework utilizing a cushioned isolator for positive and negative vertical retention. The sub frame will be separated from the chassis frame by a 1" x 3" solid sill cushion of 60 D (durometer) hardness rubber isolator, and attached to the chassis frame using a minimum of six (6) tie downs. The two front and rear tie downs will be "springer" assemblies and the center tie downs shall be firm (no exceptions). All tie down bolts shall be a minimum, 5/8" grade 8 bolts.

ADDITIONAL 6" VENT/OVERFLOW

An additional 6" diameter vent/overflow pipe shall be provided and shall run through the tank, from the fill tower and exit through the floor of the tank behind the rear axle. This location will not interfere with water flow during dump

CHATTANOOGA FIRE DEPARTMENT

operations and will minimize traction loss of the rear wheels. The additional vent/overflow system enhances tank fill and dump times for optimum operational functionality.

TANK EXTERIOR FINISH (WRAPPED)

The exterior of the water tank shall be jacketed with a 20 gauge stainless steel, mirror finish. The front and rear outer heads shall be 16 gauge stainless steel with a #4 finish. All exterior welds will be butt welded, polished and of the highest quality workmanship. There will be 1" insulation between the inner barrel and the outer wrap reducing thermal transfer. For added strength and stability the top walk way of the barrel will be reinforced with a section of 16 gauge corrosion resistant sheet curved to conform to the radius of the tank. The area around the fill tower and dump manifold will be trimmed with polished stainless steel in a pleasing manner.

TANK TOP STEPS

Black grip tape strip steps shall be installed from the ladder to the rear of the tank. These strips will be approximately 4" wide X 16" long and provide for secure safe footing when on top of the tank.

REAR DUMP SYSTEM

One (1) #1050-34 manually operated stainless steel 10" Newton quick dump will be provided at the rear center of the water tank.

90 DEGREE - LEFT/RIGHT REAR DUMP SWIVEL

One (1) Newton #6012SW-34, stainless steel 90 degree swivel shall be supplied to allow the unit to dump left, right, or rear using one (1) 10" dump valve assembly. The adapter shall be equipped with a #4036-34 telescoping slide extension to insure water is dumped away from the vehicle.

REAR FILL (2-1/2")

One (1) 2-1/2" stainless steel fill line shall be installed at the rear of the unit. It will be located on the curbside of the rear dump assembly and installed in the rear head. It shall be equipped with an Akron #8825-P1S-FE3SS-TSC, 2-1/2", 1/4 turn, ball valve with 2-1/2" NSTF swivel, chrome plug with chain and individual 1/4-turn drain valve.

REAR FILL (4")

One (1) 4" stainless steel fill line shall be installed at the rear of the unit. It will be located on the streetside of the rear dump assembly and installed in the rear head. It shall be equipped with a South Park #BV78H-41AH, 4" NPTF (rigid) X 4" NSTM, 5" valve, black hand wheel, butterfly valve with individual 1/4-turn drain valve. One (1) 4" NSTF swivel x 30 degree x 4" Storz adaptor with cap and cable shall be provided.

APPARATUS BODY AND CONSTRUCTION

The entire body is designed to be independent of the chassis frame and water tank so it can be removed at some later date if required. A body sub-framework will be built and tied down to the chassis frame. The body sections will be welded to the framework forming a single integrated unit that is engineered to withstand the demands of the Fire Service.

The body side panels and catwalks will be 14 gauge stainless steel attached to the subframe by stainless steel tig welding. The side panels will contour around the rear wheels in such a manner to give a pleasing appearance.

CHATTANOOGA FIRE DEPARTMENT

Wheel well liners of 1/8" thick vacuum formed ABS composite will be incorporated into the side panels. They will be full depth and height and form a complete seal with the outside skirting. They will be mounted by use of 1/4" stainless steel bolts.

The rear end panel will be 12 gauge stainless steel and welded to the side panels and bolted to the rear subframe cross member using stainless steel 3/8" bolts.

FENDERETTES (RUBBER)

Rubber fenderettes are to be installed around the wheel well openings and mounted by use of 1/4" stainless steel bolts.

REAR PLATFORM

A 24" rear platform will be furnished and will be integral to the body construction. It will be equipped with open grip grating. It will have beavertail supports on the ends, of not less than 2" angle and cross bracing of 2" channel. Mirror finish stainless trim protectors will be provided on the rearmost edge of each beavertail support.

REAR TAILBOARD HOSE TROUGHS

One (1) recessed hose trough shall be provided and installed in the rear tailboard assembly, beneath the 2-1/2" rear fill. The hose trough shall be large enough to accommodate a 3" X 50' section of hose.

One (1) recessed hose trough shall be provided and installed in the rear tailboard assembly, beneath the 4" rear fill. The hose trough shall be large enough to accommodate a 4" X 50' section of hose.

A velcro strap shall be provided on both troughs to keep the hose in the troughs while in transit.

COMPARTMENTATION

Two (2) compartments of 14 gauge stainless steel will be installed, one (1) on each side of the body, in front of the rear wheels. The approximate inside dimensions will be 27" deep X 37-1/2" high X 60" wide.

Two (2) compartments of 14 gauge stainless steel will be installed, one (1) on each side of the body, behind the rear wheels. The approximate inside dimensions will be 27" deep X 37-1/2" high X 24" wide.

The compartments will be "sweep out" design and assembled by use of stainless steel welding. They will be fully welded on the seams to assure a nice fit and to keep the elements from entering.

Each compartment shall be properly vented.

A mirror finish stainless steel bottom edge guard will be furnished for each compartment. It will both accent the apparatus and protect the paint from chipping when loading and unloading tools and equipment.

COMPARTMENT SUPPORTS:

The compartments shall be supported on both ends and from underneath. Brackets from 2" X 2" stainless steel tubing will be fabricated and welded to the body framework. A 2" X 2" stainless steel tube crossmember will be welded between the brackets and bolted to the floor of the compartment. The front side will be fixed to the body frame by means of a tig welded bracket and the rear will be bolted to an extended frame crossmember.

COMPARTMENT DOORS

CHATTANOOGA FIRE DEPARTMENT

All compartment doors will be a R•O•M Corporation Series IV roll-up shutter door. Each shutter slat, track, bottom rail, and drip rail shall be constructed from anodized 6063 T6 aluminum. The side compartment roll up doors shall be satin aluminum finish.

Shutter slats shall feature a double wall extrusion 0.315 inches thick with a concave interior surface to minimize loose equipment jamming the shutter door closed. Shutter slats shall feature an interlocking end shoe to prevent side to side binding of the shutter door during operation. Slat must have interlocking joints with an inverted locking flange. Slat inner seal shall be a one piece PVC extrusion; seal design shall be such to prevent metal to metal contact while minimizing dirt and water from entering the compartment.

Shutter door track shall be one piece design with integral overlapping flange to provide a clean finished look without the need of caulk. Door track shall feature an extruded Santoprene rubber double lip low profile side seal with a silicone co-extruded back to reduce friction during shutter operation.

Shutter bottom rail shall be a one piece double wall extrusion with integrated finger pull. Finger pull shall be curved upward with a linear striated surface to improve operator grip while operating the shutter door. Bottom rail shall have a smooth contoured interior surface to prevent loose equipment from jamming the shutter door. Bottom rail seal shall be made from Santoprene; it will be a double "V" seal to prevent water and debris from entering compartment. Bottom rail lift bar shall be a one piece "D" shaped aluminum extrusion with linear striations to improve operator grip during operation. Lift bar shall have a wall thickness of 0.125 inches. Lift bar shall be supported by no less than two pivot blocks; pivot blocks shall be constructed from Type 66 Glass filled reinforced nylon for superior strength. Bottom rail end blocks shall have incorporated drain holes which will allow any moisture that collects inside the extrusion to drain out.

Shutter door shall have an enclosed counter balance system. Counter balance system shall be 4.00 inches in diameter and held in place by 2 heavy duty 18 gauge zinc plated plates. Counter balance system shall have 2 over-molded rubber guide wheels to provide a smooth transition from vertical track to counter balance system.

ADJUSTABLE SHELVES

Two (2) 3/16" aluminum adjustable shelves shall be provided and installed in compartments specified below. The shelves shall be able to be adjusted the entire height of the compartments and shall have a minimum 2" high sides. They shall be mounted to stainless steel uni-strut "c" channel which is securely fastened to the compartment walls.

Black "Turtle Tile" decking shall be installed on the floor of each shelf.

Shelf Location: (1) - L1
(1) - R1

COMPARTMENT DECKING

Black "Turtle Tile" decking shall be installed in each compartment.

COMPARTMENT DECKING EDGE

The "Turtle Tile" decking shall have a 2" deep black tapered edge between the compartment door and the front edge of the decking. This will allow equipment to be easily removed and put back without catching the edge.

WHEEL CHOCK STORAGE COMPARTMENT

CHATTANOOGA FIRE DEPARTMENT

One (1) wheel chock storage compartment shall be provided in the rear fender housing area, streetside ahead of the rear wheels. The compartment will be constructed of stainless steel and the floor shall be lined with a plastic/poly matting and come equipped with a #4 finish polished stainless steel door complete with hinge and latch assembly. The doors shall be wired into the hazard warning light.

The compartment shall house two (2) Worden HWG wheel chocks.

BODY COSMETICS

The area above the storage compartments and body skirting will be clad with embossed aluminum NFPA diamond plate. The outer edge will be broke twice. Once at a downward angle of 90 degrees in order to protect the outer compartment edges, and then broke out at approximately 45 degrees to serve as a drip rail for the compartments.

The front outer face of the compartments shall be clad with polished aluminum diamond plate.

All tread plate used will be fastened with stainless steel screws and treated with anti-corrosion dispersion.

A 1/4" X 2" #4 finished polished stainless steel rub rail shall be installed along the bottom of the compartments and skirting on both sides. The rub rail shall have chamfered edges for increased appeal, style, and cleanability. The rub rail shall have tapered ends at the front and rear of the apparatus body and at the wheel well openings. The rub rail shall be fastened with stainless steel bolts and held away from the body with rubber spacers. It shall be easily removable if replacement becomes necessary.

LADDER FOR TANK

To reach the top of the tank and allow access to the manhole, a ladder will be provided on the front streetside of the apparatus from the skirting to the top of the tank. It will be positioned at the front end of the tank to allow room for equipment to be installed along the rest of the skirting. The vertical handrails and rungs will be 1-1/4" diameter and will be knurled for added safety.

FOLDING STEPS

Two (2) Trident folding steps shall be provided on the front face of the driver's side and passenger side compartments. The steps shall be NFPA compliant in design for load and size requirements and slip resistance. The steps shall be constructed of die cast alloy, with non-corrosive coating. The steps surface shall be lighted with a super bright LED light. The steps shall be fastened with stainless steel bolts with nylon lock nuts and reinforced with backing plates.

PORTA-TANK RACK

A 2100 gallon manually operated flip down style porta-tank rack will be provided and installed on top of the curbside skirting. It shall be constructed from 1-1/2" .065 wall stainless steel tubing with a polished #4 satin finish. It shall be held in the upright position by two (2) stainless steel over center toggle locking clamps with safety latch. The overall inside dimension shall measure 137 inches. A magnetic switch shall be mounted to the hinge that will activate the "HAZARD LIGHT" when it is not in the transport mode.

Two (2) 16 gauge stainless steel wind deflectors shall be fabricated and installed (one (1) front, one (1) rear) of the Porta-Tank rack. A NFPA non-slip safety grab handle will be provided at each end to facilitate handling.

VINYL COVER

CHATTANOOGA FIRE DEPARTMENT

Two (2) 16 gauge stainless steel wind deflectors shall be fabricated and installed (one (1) front, one (1) rear) of the Porta-Tank rack. A black vinyl cover shall be installed on the outside of the wind deflectors. An aluminum reinforcing bar shall be installed through the top and bottom of the vinyl cover for added strength and durability. A NFPA non-slip safety grab handle will be provided at each end to facilitate handling.

HARD HOSE TRAYS

A four (4) tier #4 finish polished stainless steel hard hose tray shall be fabricated and installed on top of the streetside skirting. Each tier will hold one (1) 6" x 10' length of hard suction hose. Velcro straps shall be utilized with stainless hardware to keep the hose in its tray when not in use.

PAINT PROCEDURE

All metal surfaces on the apparatus body shall be cleaned and prepared for painting. Every imperfection shall be removed or filled and then the entire surface(s) that are to be painted shall be etched and sanded smooth. All seams shall be sealed before painting.

To ensure proper adhesion of the coatings to the stainless steel it shall be chemically cleaned to remove all dirt, oil, grease and metal oxides.

A two (2) part epoxy primer/surfacer shall be applied to the cleaned metal surfaces to provide a strong corrosion resistant base coat and to smooth out the surface(s).

The primer coats shall be sanded to an extremely smooth finish before the sealer coat and paint are applied.

Before painting, the entire area that is to be painted shall be tacked off to remove any and all dust particles. Acrylic urethane paint is then applied in multiple coats until uniform color coverage is achieved, followed by two (2) coats of urethane clear.

After drying, the entire painted surface(s) shall be wet sanded to remove any imperfections in clear coat and machine buffed for a smooth and pleasing appearance.

All removable items such as compartment doors, hinges, trim, bracketry, etc., shall be removed and painted separately to insure complete paint coverage behind all mounted items.

: Roll-up doors are not to be painted and shall remain a natural aluminum finish, unless called out in the roll-up door section.

All trim pieces mounted to the apparatus shall be de-burred to eliminate any sharp cutting edges.

The insides of the compartments, rear end panel and the tank shall not be painted, but the exterior of the apparatus body (sides) shall be painted the same color as the chassis. The interior of the cabinets and the rear end panel will be a polished #4 satin finish.

CHASSIS PAINT - SINGLE COLOR

The chassis color shall be a solid single color painted by the chassis manufacturer.

TOUCH-UP PAINT & ASSORTED FASTENERS

CHATTANOOGA FIRE DEPARTMENT

A two (2) ounce container with applicator brush of touch-up paint shall be supplied for each color of the finished apparatus body color. This touch-up paint shall be delivered with the apparatus at the time of delivery and include the paint make and number for future reference.

A bag of assorted stainless steel fasteners used in the construction of the apparatus shall be provided to the purchaser at the time of delivery and acceptance of the completed apparatus.

ANTI-CORROSION PROTECTION

The design of the apparatus body is such that the association of different metals is minimized. Where it is unavoidable an anti-corrosion coating is used between the two metals.

The anti-corrosion material is a dispersion of metallic zinc in a mobile vehicle designed to prevent corrosion caused by electrolysis between the two metals.

When stainless steel screws pass through aluminum they will be treated with the anti-corrosion coating to prevent the onset of electrolysis.

NFPA STRIPING

In accordance with the guidelines of NFPA Pamphlet #1901-2016 edition, a retroreflective stripe(s) shall be affixed to at least 50% of the cab and body length on each side (excluding pump panel areas), and at least 25% of the width of the front of the apparatus.

The striping shall be 1"-4" wide with a 1" space between stripes.

Reflective striping shall also be applied on the inside of the chassis cab doors.

NFPA STRIPING COLOR

The reflective stripe(s) shall be **BLACK** in color.

CHEVRON STRIPING

Chevron striping shall be provided and installed at the rear of the apparatus, lower body panel only. Striping will be 6" wide red/white reflective and installed in an inverted "V" pattern.

A 1/4" black pinstripe border shall be provided around the outer edge of the chevron striping.

Department to sign NFPA Statement of Exceptions as red/white colors do not meet NFPA 1901 standards for chevron colors (red/yellow).

STANDING AND/OR WALKING SURFACE OUTLINE (NFPA)

Any designated horizontal standing or walking surface higher than 48" from the ground and not guarded by a railing, or structure at least 12" high shall have a "safety yellow line" marking the outside perimeter of the designated standing or walking surface area. Yellow reflective SCENE dots shall be used to create the line along the outside edges of standing and walking surfaces. Steps and ladders shall not be required to have the yellow line.

LETTERING

CHATTANOOGA FIRE DEPARTMENT

The apparatus shall be lettered with up to sixty (60) 3" high Reflective vinyl lettering with black outline and shadow. The lettering shall be of a style and script comparable to the department's existing apparatus.

CAB DOORS:

CHATTANOOGA	(arched)
X	(CFD maltese cross)
FIRE DEPARTMENT	(straight)

REAR HEAD OF TANK:

CFD	(CFD decal)
-----	-------------

CHASSIS MODIFICATIONS

If chassis cab is equipped with an ignition key it shall be permanently attached to the chassis cab dash per N.F.P.A. codes.

All NFPA pamphlet #1901-2016 warning and information placards shall be provided and installed.

WHEEL DRESS-UP KIT

CHATTANOOGA FIRE DEPARTMENT

Chrome lug nut covers shall be installed on all wheel lug nuts.

TIRE PRESSURE INDICATORS

There shall be a RealWheels LED AirGuard® visual tire pressure indicator at each tire's valve stem on the vehicle that shall indicate if there is insufficient pressure in the specific tire.

EXHAUST MODIFICATIONS (FACTORY)

The chassis exhaust system shall be left as it comes from the chassis manufacturer.

MUD FLAPS

Black rubber mud flaps, with Manufacturer's logo, shall be provided and installed behind the rear wheels.

AIR OUTLET VALVE

An air outlet valve shall be installed with the female quick disconnect coupling on the left side pump panel. This system shall tie into the chassis air reservoir brake system and include an 85 psi pressure protection regulator and a shutoff valve. A mating male fitting shall be provided and shipped loose.

FUEL TANK ENCLOSURE

The fuel tank and entrance steps will be clad with embossed aluminum NFPA diamond plate. This will be done in a manner which is both safe and practical. The diamond plate should add to the appearance, not distract from it.

ENTRANCE STEPS ENCLOSURE

The entrance steps beneath the passenger door will be clad with embossed aluminum NFPA diamond plate. This will be done in a manner which is both safe and practical. The diamond plate should add to the appearance, not distract from it.

TOW EYE

A 3/4" x 6" single painted rear tow eye will be installed at the rear of the unit, under the rear dump and attached directly to the chassis frame. It shall be surrounded by a rubber boot and trimmed with a 16 gauge stainless steel frame assembly.

ELECTRICAL SYSTEM

Wiring harnesses shall be the automotive type, engineered specifically for the builder's apparatus, and shall meet the following criteria. Under no circumstances shall diodes, resistors, or fusible links be located within the wiring harness. All such components shall be located in an easy to access wiring junction box or the main circuit breaker area. All wiring shall meet white book, baseline advanced design transit coach specification and Society of Automotive Engineers recommended practices. It shall be stranded copper wire core with cross linked polyethylene insulation complying with SAE specification J1128. Each wire shall be hot stamp function coded every three inches starting one inch from the end and continuing throughout the entire harness. In addition to function coding, each wire shall be number, color, and gauge coded.

Wire harnesses shall be wrapped with a high abrasion and chemical resistant thermoplastic polyester elastomer coated polyester yarn for braiding constructions of electrical wiring systems. The braid yarn shall have a minimum tensile strength of 15 lbs. before breaking and have a maximum of 20% elongation before breaking. Temperature

CHATTANOOGA FIRE DEPARTMENT

properties for the yarn shall range from a minimum 280°F (138°C) service temperature to a maximum -112°F (-80°C) brittleness temperature with a cold flex tolerance of at least -49°F (-45°C).

Harnesses shall be modular in design; a main harness system subdivided into several smaller sub-harnesses. The harness subsections shall be connected using Deutsch branded, heavy duty, environmentally sealed, connectors with silicone seals and a rear insertion/removal contact system. For isolation of electrical "zones" the harness subsections shall consist of a main harness, a pump harness with a separate pump gauge panel harness, a left body harness with a separate left compartment harness, a right body harness with a separate right compartment harness, and a rear body harness with two separate rear compartment harnesses.

The main harness and three body harnesses shall interconnect at a central, easy to reach location and their connectors shall not be obstructed by other harnesses or fuel/air lines. In addition, the main and body harness connectors shall be color coded for ease of identification with their respective colors noted on the accompanying electrical diagrams.

Where connectors are not provided by the electrical component manufacturer, all 12 volt lights and other electrical components (excluding rocker and toggle switches) shall connect to the harnesses using Deutsch brand connectors; butt connectors are considered unacceptable.

All Deutsch connectors shall meet the following criteria:

- All connectors shall have a minimum IP67 rating.
- Temperature range from -67°F (-55°C) to 257°F (125°C) continuous at rated current.
- Only solid contacts will be used. Stamped and formed contacts are unacceptable.
- All contacts shall be soldered unless a crimping tool or machine is used that gives an even and precise pressure for the terminal being used.
- All contacts shall be pull-tested to insure their integrity.

V-MUX ELECTRICAL MANAGEMENT SYSTEM

The apparatus shall be equipped with a V-MUX Multiplex System. There are several key benefits to multiplexing, one is to reduce the number of connections in a vehicles electrical system, because of this it is important to limit the amount of modules that control certain functions of the vehicle.

Outputs:

The outputs shall perform all the following items without added modules to perform any of the tasks:

1. **Load Shedding:** The System shall have the capability to Load Shed with 8 levels any output. This means you can specify which outputs (barring NFPA restrictions) you would like Load Shed. Level 1 12.9v, Level 2 12.5V, Level 3 - 12.1V, Level 4 - 11.7V, Level 5 11.3V, Level 6 10.9V, Level 7 10.5, Level 8 10.1. Unlike conventional load shedding devices you can assign a level to any or all outputs. No add-on modules shall be acceptable; the module with the outputs must perform this function.
2. **Load Sequencing:** The System shall be able to sequence from 0 8 levels any output. With 0 being no delay and 1 being a 1 second delay, 2 being a 2 second delay and so on. Sequencing reduces the amount of voltage spikes and drops on your vehicle, and can help limit damage to your charging system. No add-on modules shall be acceptable; the module with the outputs must perform this function.
3. **Output Device:** The System shall have solid-state output devices. Each solid-state output shall be a MOS-FET (Metal Oxide Semiconductor - Field Effect Transistors); MOS-FETs are solid-state

CHATTANOOGA FIRE DEPARTMENT

- devices with no moving parts to wear out. A typical relay when loaded to spec has a life of 100,000 cycles. The life of a FET is more than 100 times that of a relay. No add-on modules shall be acceptable; the module with the outputs must perform this function.
4. Flashing Outputs: The System shall be able to flash any output in either A or B phase, and logic is used to shut down needed outputs in park, or any one of several combined interlocks. The flash rate can be selected at either 80, or 160 FPM. This means any light can be specified with a multiplex truck with no need to add flashers. Flashing outputs can also be used to warn of problems. No add-on modules shall be acceptable; the module with the outputs must perform this function.
 5. PWM: The modules shall have the ability to PWM at some outputs so that a Headlight PWM module is not needed. No add-on modules shall be acceptable; the module with the outputs must perform this function.
 6. Diagnostics: An output shall be able to detect either a short or open circuit.

Inputs:

1. The inputs shall have the ability to switch by a ground or battery signal.
2. The inputs shall be filtered for noise suppression via hardware and software so that RF or dirty power will not trick an input into changing its status.

System Network:

The Multiplex system shall contain a Peer-to-Peer network. A Master Slave Type network is not suitable for the Fire/Rescue industry. A Peer-to-Peer network means that all the modules are equal on the network; a Master is not needed to tell other nodes when to talk.

System Reliability:

The Multiplex system shall be able to perform in extreme temperature conditions, from -40° to $+85^{\circ}$ C (-40° to $+185^{\circ}$ F.) The system shall be sealed against the environment, moisture, humidity, salt or fluids such as diesel fuel, motor oil or brake fluid. The enclosures shall be rugged to withstand being mounted in various locations or compartments around the vehicle. The modules shall be protected from over voltage and reverse polarity.

The electrical system will incorporate a master disconnect switch which will be mounted separately from the switch panel (next to the driver's seat). A green battery indicator light will be provided in the chassis cab visible to the driver to indicate when it is in the "on" position. When "off" the batteries will remain connected to the starter but all the power will be off to the rest of the unit.

All electrical and electronic components shall be selected and installed to minimize electrical loads and comply with NFPA #1901 (2016 revision) standards along with testing procedures as described below:

ELECTRICAL SYSTEM TESTING

The fire apparatus low voltage electrical system shall be tested as required by Section 13.14 and its subsections.

The test results shall be certified by the apparatus manufacturer.

The certification shall be delivered with the apparatus.

The three tests defined in 13.14.3.2 through 13.14.3.4.4 shall be performed in order in which they appear.

CHATTANOOGA FIRE DEPARTMENT

Before each test, the batteries shall be fully charged until the voltage stabilizes at the voltage regulator set point and the lowest charge current is maintained for 10 minutes.

Failure of any of these tests shall require a repeat of the sequence.

TEST #1. RESERVE CAPACITY TEST:

The engine shall be started and kept running until the engine and engine compartment temperatures are stabilized at normal operating temperatures and the battery system is fully charged.

The engine shall be shut off and the minimum continuous electrical load shall be activated for 10 minutes.

All electrical loads shall be turned off prior to attempting to restart the engine.

The battery system shall then be capable of restarting the engine.

Failure to restart the engine shall be considered a test failure of the battery system.

TEST #2. ALTERNATOR PERFORMANCE TEST AT IDLE:

The minimum continuous electrical load shall be activated with the engine running at idle speed.

The engine temperature shall be stabilized at normal operating temperature.

The battery system shall be tested to detect the presence of a battery discharge current.

The detection of battery discharge current shall be considered a test failure.

TEST #3. ALTERNATOR PERFORMANCE TEST AT FULL LOAD:

The total continuous electrical load shall be activated with the engine running up to the engine manufacturer's governed speed.

The test duration shall be a minimum of 2 hours.

Activation of the load management system shall be permitted during this test.

An alarm sounded by excessive battery discharge, as detected by the warning system, or a system voltage of less than 11.8 V dc for a 12 V nominal system or 23.6 V dc for a 24 V nominal system, for more than 120 seconds, shall be considered a test failure.

TEST #4. LOW VOLTAGE ALARM TEST:

Following completion of the above tests, the engine shall be shut off and the battery voltage at or above 12 V for a 12 V nominal system, 24 V for a 24 V nominal system.

With the engine shut off, the total continuous electrical load shall be activated and shall continue to be applied until the excessive battery discharge alarm activates.

The battery voltage shall be measured at the battery terminals.

CHATTANOOGA FIRE DEPARTMENT

The test shall be considered a failure if the alarm has not yet sounded 140 seconds after voltage drops to 11.7 V for a 12 V nominal system or 23.4 V for a 24 V nominal system.

The battery system shall then be able to restart the engine.

Failure to restart the engine shall be considered a test failure.

At the time of delivery, documentation shall be provided with the following information:

- (1) Documentation of the electrical system performance tests.
- (2) A written load analysis, including the following:
 - (a) The nameplate rating of the alternator
 - (b) The alternator rating under the conditions specified in NFPA 13.3.2
 - (c) Each of the component loads specified in 13.3.3 that make up the minimum continuous electrical load
 - (d) Additional electrical loads that, when added to the minimum continuous electrical load, determine the total continuous electrical load
 - (e) Each individual intermittent electrical load

VEHICLE DATA RECORDER AND SEAT BELT WARNING SYSTEM

The apparatus shall be equipped with a Weldon, Vehicle Data Recorder (VDR) and Seat Belt Warning System supplied with the chassis.

CAB DASH

The rocker switch panels, electronic siren and required N.F.P.A. warning lights shall all be located within the chassis cab dash area, placed where applicable.

ELECTRICAL SYSTEM SCHEMATICS

Two (2) complete electrical system schematics diagramming each individual circuit shall be provided after delivery of the apparatus.

ROCKER SWITCH PANEL

A six (6) to eight (8) place rocker type switch panel with a "Master switch" and individual switches will be installed to provide the ability to de-activate individual lighting units, should the driver/officer require it. This panel will be lettered and lighted and conveniently mounted in the cab.

RADIO (POWER AND GROUND)

An auxiliary set of power and ground studs shall be provided and installed beneath the officer's seat. The power and ground studs shall be circuit protected with a 40 amp breaker. The studs shall be 0.38 inch diameter and be capable of carrying up to a 40 amp battery direct load.

ANTENNA INSTALLATION

An antenna mount shall be provided and installed on the chassis cab roof. The coax shall run from the antenna mount to beneath the officer's seat.

EXTERNAL RADIO SPEAKER

CHATTANOOGA FIRE DEPARTMENT

A water-resistant external radio speaker shall be provided and installed in the speaker compartment on the pump operator's panel.

DOT & ICC LIGHTING

Clearance/Marker/Identification lights and reflectors will be installed according to DOT regulations.

At the rear of the apparatus three (3) mini red LED lights will be installed on the rear with one on the center line and lights spaced 6"-12" apart. Two (2) additional mini red LED lights will be installed as far apart as possible to show the overall width of the apparatus.

Red combination LED reflector/marker lights will be surface mounted in the lower rear side body section.

Red reflectors will be installed on the rear tailboard as far apart as possible. The front (amber) reflectors will be incorporated in the turn signals and midpoint amber reflectors will be installed on each side of the body.

STOP/TURN/BACK-UP LIGHTS

Stop-Tail Light(s):

Two (2) Whelen #M6BTTC, M6 series, red with clear lens LED stop-tail lights shall be mounted, one (1) each side at the rear of the apparatus.

Directional Light(s):

Two (2) Whelen #M6TC, M6 series, amber with clear lens LED directional lights shall be mounted, one (1) each side at the rear of the apparatus.

Back-Up Light(s):

Two (2) Whelen #M6BUW, M6 series, clear with clear lens LED back-up lights shall be mounted, one (1) each side at the rear of the apparatus and wired to the reverse gear.

The above lights shall be housed in Whelen #M6FCV4, chrome plated housings.

BACK-UP ALARM

One (1) back-up alarm shall be installed and wired to the reverse gear. It shall meet the Type D (87 db) minimum requirements of SAE J994 and NFPA 1901.

HAZARD LIGHT

A red flashing LED light, located in the driving compartment, shall be illuminated automatically whenever the apparatus's parking brake is not fully engaged and any of the following conditions exist:

- (1) Any passenger or equipment compartment door is open.
- (2) Any ladder or equipment rack is not in the stowed position.
- (3) Powered light tower is extended (if applicable).
- (4) Any other device is opened, extended, or deployed that creates a hazard or is likely to cause damage to the apparatus if the apparatus is moved.

The light shall be marked "DO NOT MOVE APPARATUS WHEN LIGHT IS ON".

LICENSE PLATE HOLDER

CHATTANOOGA FIRE DEPARTMENT

A Cast Products #LP0005-1-C, surface mount LED lighted license plate holder shall be provided at the rear of the apparatus. The holder shall be of cast aluminum construction with bright finish edges.

ELECTRONIC SIREN

A Whelen 295SLSA1 electronic siren control head with hard wired microphone shall be provided and mounted in the cab dash. The siren shall offer a selectable 100 or 200-watt output, radio broadcast, public address, and seventeen (17) Scan-Lock siren tones.

SPEAKER

One (1) Whelen #SA315P, 100 watt speaker shall be provided and installed at the front of the apparatus, in the front bumper assembly, officer's side.

FEDERAL Q2B SIREN

One (1) Federal Signal #Q2B-NN, Q-Siren shall be provided and recessed mounted in the front bumper assembly, driver side. It shall be controlled by floor switches located one (1) on each side of the chassis cab assembly and a mounted brake switch.

The siren shall only be activated when the master warning switch is on to prevent accidental engagement.

BROW LIGHT

A Whelen #PFH2F41 Dual Pioneer Super-LED light will be provided and mounted in the front of the Freedom light bar. The light shall be controlled on the rocker switch panel in the cab.

REAR SCENE LIGHTS

Two (2) FireTech #FT-GESM, Guardian Elite LED scene lights will be mounted one (1) each side, at the rear of the apparatus, in the upper rear light manifold. They will be wired to the reverse gear and be used with the back-up lights. There will be an override switch located on the rocker switch panel in the cab to activate the rear scene lights when the unit is not in the reverse gear.

SIDE SCENE LIGHTS (FRONT)

Two (2) FireTech #FT-GESM, Guardian Elite LED scene lights, mounted one (1) at each front upper corner of the water tank assembly will be provided and controlled from the master console in the cab. These lights will be mounted on 26 degree stainless steel light pedestals and will be fully enclosed so as not to expose wiring.

SIDE SCENE LIGHTS (REAR)

Two (2) FireTech #FT-GESM, Guardian Elite LED scene lights mounted one (1) at each rear upper corner of the water tank assembly will be provided and controlled from the master console in the cab. These lights will be mounted on the rear light bracket at a 26 degree angle and will be fully enclosed so as not to expose wiring.

TANK TOP LIGHTING

One (1) TecNiq #E03 Eon LED light shall be installed on the top front head of the tank facing towards the rear of the apparatus. It will be activated when the park brake is engaged and illuminate the area between the ladder and manhole on top of the tank.

CHATTANOOGA FIRE DEPARTMENT

CAB ENTRY/EXIT LIGHTING

Two (2) Tecniq #E03, Eon clear LED lights with chrome housings shall be mounted beneath the top cab door entry steps, one (1) each side.

Two (2) HiViz #FT-CU-AUX-B, clear LED lights with black housings shall be mounted beneath the bottom cab door entry steps, one (1) each side.

These lights shall be mounted on an angle to provide illumination on areas under the driver and crew riding area exits. All cab entry/exit lights will automatically activate when any of the chassis doors are opened.

GROUND/STEP LIGHTS

Eight (8) HiViz #FT-CU-AUX-B, clear LED underbody lights with black housings shall be supplied to provide illumination on the ground in areas designed for personnel to climb onto the apparatus. The lights will be controlled automatically by use of the chassis parking brake.

The lights shall be positioned as follows:

- : Two (2) lights will be installed under the pump panel running boards, one (1) each side.
- : Two (2) lights will be installed under the front side compartments, one (1) each side.
- : Two (2) lights will be installed under the rear side compartments, one (1) each side.
- : Two (2) lights will be installed under the rear tailboard assembly, one (1) each side.

REAR PLATFORM WORK LIGHTS

Two (2) 4" clear LED lights will be mounted in the rear beaver tail assembly pointing towards the center over the rear tailboard area as "work lights". The lights will be activated when the parking brake is set.

COMPARTMENT LIGHTING (ON SCENE-LED)

The compartment lighting will be OnScene Access Series LED and installed on each side of the door opening. Each LED light shall be enclosed within a tough waterproof Lexan tube enclosure and offer 400 lumens per 18" of light and an adjustable beam angle. The lights will illuminate when the door is opened.

ENGINE COMPARTMENT LIGHT

One (1) TecNiq #E16, switched LED light shall be provided and installed inside the engine compartment. This is to provide lighting for vehicle maintenance.

AIR HORNS - CHASSIS SUPPLIED

The air horns shall be supplied and mounted by the chassis manufacturer in a location as indicated in the chassis specifications.

TRAFFIC ADVISOR

One (1) Whelen #TANF85, 45.12" (8) LED light traffic advisor shall be provided and installed at the rear of the apparatus. The unit shall have a control unit which is to be mounted in the chassis cab.

The traffic advisor shall be wired to the E Master warning light switch.

CHATTANOOGA FIRE DEPARTMENT

WATER LEVEL GAUGE - FRC (REAR)

A Fire Research, TankVision Pro water level gauge, shall monitor the water tank level and shall be mounted at the rear of the apparatus. It shall be equipped with ultra bright LEDs for sunlight readability and uses 2 sophisticatedly designed wide-viewing lens for 180 degrees of clear viewing. When the water level reaches less than 25%, the LEDs begins to flash to indicate refill. This unit is equipped with a self-calibration feature which allows the gauge to be used with any tank configuration or material.

WATER LEVEL GAUGE - FRC (PUMP PANEL)

An additional FRC, TankVision Pro gauge shall be provided and mounted on the pump operator's panel, to monitor the water tank level.

NFPA CERTIFIED LIGHTING REQUIREMENTS

The optical warning system on the fire apparatus shall be capable of two (2) separate signaling modes during emergency operations. The first mode shall signal to drivers and pedestrians that the apparatus is responding to an emergency and is **CALLING** for the "Right-Of-Way". The second mode shall signal that the apparatus is stopped and is **BLOCKING** the "Right-Of-Way".

The switching between modes shall be provided by a sensor that senses the position of a parking brake or the park position of an automatic transmission. When the master optical warning system switch is closed, and the parking brake is released or the automatic transmission is not in park, the warning devices signaling the call for Right-Of-Way shall be energized. When the master optical warning system is closed, and the parking brake is on or the automatic transmission is in park, the warning devices signaling the blockage of the Right-Of-Way shall be energized. The system shall be permitted to have a method of modifying the two signaling modes.

WHELEN - NFPA CERTIFIED LED LIGHTING PACKAGE

ZONE A UPPER

One (1) Whelen #F4N0VLED, 60" NFPA Freedom IV (8R2C) LED light bar is to be mounted on the cab roof. Light bar to have clear outer lenses. As required by N.F.P.A. Pamphlet #1901, the clear sections will automatically turn off when the blocking right-of-way mode.

ZONE A LOWER

Two (2) Whelen #M6RC, M6 series, red with clear lens Super-LED warning lights with chrome flanges shall be mounted in the chassis grill, one (1) each side. They shall be installed with stainless steel backing plates.

ZONE B LOWER

Three (3) Whelen #M6RC, M6 series, red with clear lens Super-LED warning lights with chrome flanges shall be affixed, one (1) between the front wheel and the front of the vehicle, one (1) in front of the rear wheels (mid-body area) and one (1) to the side body panels, behind the rear wheels.

ZONE C UPPER

Two (2) Whelen #F4NMINI, 22" NFPA Freedom IV (6R) LED mini light bars shall be provided on the upper rear light pedestal at the rear of the apparatus, one (1) each side. Light bars to have clear outer lenses.

CHATTANOOGA FIRE DEPARTMENT

ZONE C LOWER

Two (2) Whelen #M6AC, M6 series, amber with clear lens Super-LED warning lights shall be affixed, one (1) each side, to the rear of the apparatus.

ZONE D LOWER

Three (3) Whelen #M6RC, M6 series, red with clear lens Super-LED warning lights with chrome flanges shall be affixed, one (1) between the front wheel and the front of the vehicle, one (1) in front of the rear wheels (mid-body area) and one (1) to the side body panels, behind the rear wheels.

WATEROUS PTO PUMP

The pump shall be a Waterous CX of a single stage construction. It will have the capacity of 1250 gallons (U.S.) per minute (GPM), and it shall comply with all applicable requirements of the latest standards for automotive fire apparatus of the National Fire Protection Association (NFPA-1901).

The pump must deliver the percentage of rated capacity at the pressure listed below:

- 100% of rated capacity at 150 psi net pump pressure.
- 100% of rated capacity at 165 psi net pump pressure.
- 70% of rated capacity at 200 psi net pump pressure.
- 50% of rated capacity at 250 psi net pump pressure.

When dry the pump will be capable of taking suction and discharging water with a lift of 10 feet in not more than 30 seconds through 20 feet of appropriate size suction hose with strainer attached.

The entire pump will be driven by a PTO driveline from the truck transmission. The engine will provide sufficient horsepower and RPM to enable pump to meet or exceed its rated performance.

To ensure minimum vibration even at full capacity the pump will be mounted to the frame rails, using extra heavy duty mounting brackets and grade eight bolts, in a position such that the PTO shaft is properly aligned to have the same angular velocity at each end.

The entire pump, both suction and discharge passages, will be hydrostatically tested to a pressure of 600 psi. The pump will be fully tested at the pump manufacturer's factory to performance specs as outlined by the latest NFPA pamphlet No. 1901. The pump will be free from objectionable pulsation and vibration.

The pump body and related parts will be of high tensile, close-grained gray iron. All moving parts in contact with water will be of high quality bronze or stainless steel.

Casing: Three-piece, vertically split, high tensile strength gray iron.

Wear Rings: The wear rings shall be replaceable bronze wear rings to increase pump life and keep maintenance costs at a minimum.

Impeller: The impeller shall be single suction, double-hubbed and specifically designed for the fire service and accurately balanced for vibration-free running. Impeller shall have a Flame Plated Hub so as to extend the service life of the impeller despite the presence of abrasives in the water supply.

Impeller Shaft: The impeller shaft shall be stainless steel, heat treated, and precisely ground to size. It shall be supported by oil lubricated bearings.

CHATTANOOGA FIRE DEPARTMENT

Bearings: All bearings are oil-lubricated, ball type located outside the pump casing to accurately align and support the impeller shaft assembly and input shafts. Ball bearings are deep groove, designed to carry both radial and axial loads.

Shaft Seal: Face-type, self adjusting, corrosion and wear resistant mechanical seal.

Gears: Helical cut crown shaved gears, carburized and hardened alloy steel.

The entire pump shall be manufactured and tested at pump manufacturer's factory.

Two (2) manuals covering the pump, and any other necessary working parts of the pump shall be provided with the apparatus at the time of delivery.

PUMP PRIMING SYSTEM

A Trident air operated priming system shall be installed. The unit shall be of all brass and stainless steel construction and designed for fire pumps of 1,250 GPM (4,600 LPM) or more. Due to corrosion exposure no aluminum or vanes shall be used in the primer design. The primer shall be three-barrel design with ¼" NPT connection to the fire pump.

The primer shall be mounted above the pump impeller so that the priming line will automatically drain back to the pump. The primer shall also automatically drain when the panel control actuator is not in operation. The inlet side of the primer shall include a brass 'wye' type strainer with removable stainless steel fine mesh strainer to prevent entry of debris into the primer body.

Performance, Safety, and NFPA Compliance

The priming system shall be capable to a vertical lift to 22 inches of mercury and shall be fully compliant to applicable NFPA standards for vertical lift. The system shall create vacuum by using air from the chassis air brake system through a three-barrel multi-stage internal "venturi nozzles" within the primer body. The noise level during operation of the primer shall not exceed 75 Db.

Air Flow Requirements

The primer shall require a minimum of 15.6 cubic foot per minute air compressor and shall be capable of meeting drafting requirements at high idle engine speed. The air supply shall be from a chassis supplied 'protected' air storage tank with a pressure protection valve. The air supply line shall have a pressure protection valve set between 70 to 80 PSIG.

Primer Control

The primer control shall have a manually operated, panel mounted "push to prime" air valve; which will direct air pressure from the air brake storage tank to the primer body. To prevent freezing, no water shall flow to and from the panel control.

Power Requirements

To reduce the electrical power requirements on the fire apparatus the priming system shall be air powered. The system shall not require annual tear-down and maintenance, an electric motor or solenoid, electrical wiring, lubrication, belt drive, or clutch assembly.

Warranty

CHATTANOOGA FIRE DEPARTMENT

The primer shall be covered by a five (5) year parts warranty.

PTO

One (1) Chelsea or equivalent Power Take-Off unit shall be supplied to connect and power the pump from the transmission.

PUMP IN MOTION

The "Hot Shift" PTO will allow engaging the pump while the apparatus is moving slowly and engine speed is kept below 800 rpm. After engaging pump, "Pump in Motion" capability will be available.

An "OK to Pump in Motion" indicator shall be provided in the chassis cab to indicate that all of the following conditions have been met to safely operate the pump in pump in motion mode:

- (1) - The pump shift is engaged
- (2) - The parking brake is released

When the "OK to Pump in Motion" indicator is energized, the "OK to Pump" indicator is not energized.

When pump in motion is provided, a second discharge pressure gauge shall be provided in the chassis cab in view of the driver with a reading of 0 psi to at least 300 psi.

ELECTRIC PUMP SHIFT

The pump shift shall be controlled by a switch located on the chassis cab dash.

AUXILIARY SUCTION INLET (STREETSIDE)

One (1) auxiliary 2-1/2" NST gated inlet shall be provided at the streetside pump panel. The valve shall be a 2-1/2", 1/4 turn ball type with control at the valve location. The valve shall be located behind the pump panel.

The auxiliary inlet shall be equipped with a chrome swivel, removable cleanable strainer, male plug and retaining chain. An individual drain shall be furnished. The drain shall be piped toward the ground.

SUCTION INLETS

A 6" non-gated suction inlet will be located on each side of the apparatus. Each inlet will have a long handled chrome plated cap and removable strainers.

STREETSIDE DISCHARGES

Two (2) 2-1/2" discharges will be installed on the streetside of the apparatus. The discharge valves shall be 2-1/2", 1/4 turn, full-flow, drop-out, self-locking type and controlled from the pump operator's panel. The 2-1/2" discharge valves shall be gated with easy operating controls. The 2-1/2" outlets shall be equipped with chrome plated 2-1/2" NSTM, 30 degree droop snoot ends with chrome caps with chains.

CURBSIDE DISCHARGE

One (1) 2-1/2" discharge will be installed on the curbside of the apparatus. The discharge valve shall be a 2-1/2", 1/4 turn, full-flow, drop-out, self-locking type and controlled from the pump operator's panel. The 2-1/2" discharge valve

CHATTANOOGA FIRE DEPARTMENT

shall be gated with easy operating controls. The 2-1/2" outlet shall be equipped with chrome plated 2-1/2" NSTM, 30 degree droop snoot end with chrome cap and chain.

LDH DISCHARGE

One (1) LDH discharge will be installed on the curbside of the apparatus. The discharge valve shall be a 4", 1/4 turn, slo-cloz, full-flow, drop-out, self-locking type and controlled from the pump operator's panel. The LDH discharge valve shall be gated with easy operating crank style hand wheel controls. The discharge outlet shall be equipped with a 4" NSTF swivel x 30 degree x 4" storz elbow adapter with blind cap and cable.

BOOSTER REEL

One (1) Hannay painted steel (silver) electric rewind booster reel shall be provided and installed inside the pump house, behind the upper curbside pump access door. Polished stainless steel rollers shall be provided on each edge of the opening. The reel will be equipped with a water lubricated, self flushing, bronze swivel joint and an adjustable brake for free wheeling, drag or full lock operation.

An electric rewind switch shall be provided and installed next to the reel.

The booster reel shall be furnished with 150' of 1" booster hose. The booster reel will be plumbed with 1-1/2" piping, a 1-1/2" valve and a high pressure hose for vibration. The booster reel shall be controlled from the pump operator's panel.

Rub protection shall be installed on the body and cab for protection against rub from the booster reel hose.

DRAIN VALVES

A Innovative Controls, 3/4" ball drain valve with lift handle and/or automatic drain valve shall be installed for all 1-1/2" or larger discharges. Cable actuated drains are not acceptable.

MASTER DRAIN

A master drain of rotary type, bronze construction to be provided on the pump. Control for this valve to be located so operator does not have to crawl under the apparatus to operate. Master pump drain control is to be operated from the left side of the apparatus. All pump passages, including relief valve, shall be connected to the master drain. Cable actuated drains are not acceptable.

TANK TO PUMP

One (1) tank to pump line shall be provided and equipped with a 3", 1/4 turn, full flow, ball valve with 4" plumbing from the tank to the valve. The valve shall be controlled from the pump operator's panel.

A check valve shall be provided in the tank to pump line that prevents unintentional back-filling of the water tank through the line (NFPA #1901).

TANK REFILL

One (1) 2", 1/4 turn, pump to tank valve located on the discharge side of the pump piping to the tank shall be provided. The control handle for the pump to tank valve shall be located on the pump operator's panel.

The valve and pump shall be connected to the tank by use of stainless steel fittings and flexible hose to eliminate stress on the lines.

CHATTANOOGA FIRE DEPARTMENT

PUMP PIPING

All piping for the pump assembly will be heavy duty stainless steel or Class 1 reinforced rubber hose.

In order to minimize friction loss only sweep type elbows will be used. Where vibration or chassis flexing may cause damage or loosen piping, victaulic or rubber couplings will be utilized to eliminate this possibility.

Wherever threaded joints are used the sealing compound will be of the non-hardening type to insure ease of removal for repair or replacement of couplings.

All lines will drain through either the master drain valve or will be equipped with individual drain valves. One (1) individual drain valve will be installed for each gated suction or discharge 2-1/2" or larger in size.

The entire pump assembly, including all valves, piping and suction lines will be subjected to a hydrostatic test consisting of both a pressure and a vacuum test. The vacuum test consists of developing a vacuum of 22 in. HG (74.5 kPa) and holding for 5 minutes without losing more than 10 in. of vacuum.

VALVES FOR PUMP OPERATION

All 1" or larger in-line valves will be Akron Brass 8000 series full flow style with stainless steel balls. All in line valves will be controlled by easy operating controls. Controls will be designed and installed to permit easy operation of the valves without distortion along with the ability to be re-adjusted if need be.

All 3" or larger discharge valves will be equipped with a slo-cloz option which hydraulically decelerates the opening and closing of the valve to comply with NFPA Pamphlet #1901.

Valves shall have a ten (10) year warranty.

SUCTION PRESSURE RELIEF VALVE

An Elkhart suction pressure relief valve, preset at 150 PSI, will be installed on the suction side of the pump. The adjustable pressure relief valve will be of cast brass construction and include a stainless steel spring and rubber seat. If the outlet discharges it shall discharge in a manner that will not expose personnel to high pressure water streams. The discharge outlet will be constructed of 2-1/2" piping and be equipped with a 2-1/2" NPTF x 2-1/2" NSTM adapter. The outlet will be labeled **"INTAKE PRESSURE RELIEF OUTLET - DO NOT CAP"**.

HEAT EXCHANGER

A supplementary heat exchanger of bronze construction, with tubing and "Open-Closed" control valve on operator's panel is to be provided. Design shall be to allow for use of water from discharge side of the pump for cooling of coolant circulating through the engine cooling system without intermixing. The heat exchanger shall be connected to the drain valve to prevent damage caused by freezing.

PUMP HOUSE ENCLOSURE

CONSTRUCTION:

The pump house framework shall be fabricated from type 304 stainless steel. The forward side of the pump house will be closed in with 16 gauge stainless steel bolted to the framework.

CHATTANOOGA FIRE DEPARTMENT

The streetside pump panel shall be constructed from .125" (1/8") aluminum and clad with a non glare black Line-X covering. The instrument panel shall be hinged vertically with a polished stainless steel continuous hinge. Retainers will be provided to keep the panel in position for ease of instrument maintenance. It shall be held in the normal operating position by two (2) quick release quarter-turn latches.

The curbside pump panel shall be constructed from .125" (1/8") aluminum and clad with a non glare black Line-X covering. The top section will be hinged vertically with a polished stainless steel continuous hinge. Retainers will be provided to keep the panel in position for ease of instrument maintenance. It shall be held in the normal operating position by two (2) quick release quarter-turn latches.

HOSE BED/DUNNAGE:

The hose bed located over the pump panel shall be constructed from 3/16" aluminum sheeting and lined with black Turtle Tile decking. Two (2) outer hose bed walls constructed from 3/16" aluminum shall be installed one (1) on each side of the pump house crosslay hose bed.

HANDRAILS:

Two (2) NFPA non-slip handrails shall be installed one (1) each side on the pump house light shield assembly. The handrails shall be secured against rotation in matching chrome-plated stanchions. These stanchions shall be mounted on molded rubber gaskets and fastened to the apparatus with stainless steel bolts and nylon lock nuts. A center stanchion will be installed on each handrail for additional support.

PUMP HOUSE ENCLOSURE INTERIOR LIGHTS:

Two (2) LED pump house lights shall be provided in the pump house enclosure. These lights shall be mounted in the top of the pump house and be controlled individually by a switch mounted internally in the light.

RUNNING BOARDS:

A step shall be fabricated from non-slip material and installed to extend the full width of the pump panel on each side. The step shall line up with the outside edge of the apparatus body.

PUMP HOUSE SIDE PANEL LIGHTING

A stainless steel light bracket is to form a pump panel drip rail. An OnScene Access Series LED panel work light shall be installed in this bracket on both the streetside and curbside. The lights will be illuminated with the application of the park brake.

CROSSLAY PRECONNECTS

Two (2) adjustable hose bed dividers constructed from 3/16" aluminum shall be installed to form three (3) crosslay sections.

The first two (2) crosslay sections shall be capable of carrying a minimum capacity of 200' of 1-3/4" double jacketed fire hose. They will be plumbed with 2" piping and a 2" valve with automatic drain valve and will terminate in the crosslay hose bed with a 1-1/2" NST M swivel.

The third section shall be used as a deadlay for 500' of 2-1/2" fire hose.

CROSSLAY COVER

CHATTANOOGA FIRE DEPARTMENT

A black vinyl cover shall be provided to cover the entire crosslay hose bed area. It shall be fastened to the outside rails by 1/4 turn latches. The curbside and streetside of the cover shall have flaps with heavy duty zippers for easy access to the hose. The zipper slides shall have gripper tags to enable easy access to the fire hose.

PUMP OPERATOR'S PANEL

All pressure and compound gauges to be fluid filled. Gauges shall be equipped with white face and black lettering.

The following items shall be furnished on the pump operator's panel:

One (1) 4-1/2" master pressure gauge, 0-400 PSI.

One (1) 4-1/2" master vacuum gauge, -30-0-400 PSI.

One (1) 2-1/2" individual pressure gauge for each 1-1/2" discharge or larger and/or preconnect, 0-400 PSI.

One (1) water level readout indicator.

One (1) FRC "PumpBoss 400" Pressure Governor.

- Engine RPM Display
- System Voltage Display and Alarm
- Engine Oil Pressure Display and Alarm
- Engine Water Temperature Display and Alarm
- Throttle Ready Indicator Light

One (1) CPI speaker compartment with radio speaker inside.

One (1) set of UL test ports for pressure and vacuum.

One (1) auxiliary engine cooler valve control (heat exchanger).

One (1) primer control.

All discharge and/or preconnect controls.

One (1) tank fill / pump bypass valve control.

One (1) tank to pump valve control.

One (1) stainless steel pump panel light and shield assembly.

One (1) master drain control.

One (1) auxiliary suction control.

One (1) air outlet.

One (1) WARNING: DEATH OR SERIOUS INJURY MAY OCCUR if proper operating procedures are not followed label.

One (1) pump performance plate.

CHATTANOOGA FIRE DEPARTMENT

A polished trim plate shall be provided around each discharge port and suction inlet opening to allow accessibility to valves for service and repairs.

PRESSURE GOVERNOR AND ENGINE MONITORING DISPLAY

Fire Research PumpBoss series PBA400 pressure governor and monitoring display kit shall be installed. The kit shall include a control module, intake pressure sensor, discharge pressure sensor, and cables. The control module case shall be waterproof and have dimensions not to exceed 6-3/4" high by 4-5/8". The control knob shall be 2" in diameter with no mechanical stops, have a serrated grip, and a red idle push button in the center. It shall not extend more than 1-3/4" from the front of the control module. Inputs for monitored engine information shall be from a J1939 databus or independent sensors. Outputs for engine control shall be on the J1939 databus or engine specific wiring. Inputs from the pump discharge and intake pressure sensors shall be electrical.

The following continuous displays shall be provided:

- Engine RPM; shown with four daylight bright LED digits more than 1/2" high
- Check engine and stop engine warning LEDs
- Engine oil pressure; shown on a dual color (green/red) LED bar graph display
- Engine coolant temperature; shown on a dual color (green/red) LED bar graph display
- Transmission Temperature; shown on a dual color (green/red) LED bar graph display
- Battery voltage; shown on a dual color (green/red) LED bar graph display
- Pressure and RPM operating mode LEDs
- Pressure / RPM setting; shown on a dot matrix message display
- Throttle ready LED

A dot-matrix message display shall show diagnostic and warning messages as they occur. It shall show monitored apparatus information, stored data, and program options when selected by the operator. All LED intensity shall be automatically adjusted for day and night time operation.

The program shall store the accumulated operating hours for the pump and engine to be displayed with the push of a button. It shall monitor inputs and support audible and visual warning alarms for the following conditions:

- High Battery Voltage
- Low Battery Voltage (Engine Off)
- Low Battery Voltage (Engine Running)
- High Transmission Temperature
- Low Engine Oil Pressure
- High Engine Coolant Temperature
- Out of Water (visual alarm only)
- No Engine Response (visual alarm only)

The program features shall be accessed via push buttons located on the front of the control module. There shall be a USB port located at the rear of the control module to upload future firmware enhancements.

The governor shall operate in two control modes, pressure and RPM. No discharge pressure or engine RPM variation shall occur when switching between modes. A throttle ready LED shall light when the interlock signal is recognized. The governor shall start in pressure mode and set the engine RPM to idle. In pressure mode the governor shall automatically regulate the discharge pressure at the level set by the operator. In RPM mode the governor shall maintain the engine RPM at the level set by the operator except in the event of a discharge pressure increase. The governor shall limit a discharge pressure increase in RPM mode to a maximum of 30 psi. Other safety features shall include recognition of no water conditions with an automatic programmed response and a push button to return the engine to idle.

The pressure governor and monitoring pressure display shall be programmed at installation for a specific engine.

CHATTANOOGA FIRE DEPARTMENT

SPEAKER COMPARTMENT

One (1) Cast Products speaker box shall be provided on the pump operator's panel. The compartment shall have an aluminum hinged door with slam latch.

COLOR CODED IDENTIFICATION PLATES

Each control valve, gauge and discharge outlet shall be labeled with a color coded identification plate. For standardization, color coding shall be in accordance with the recommendations of NFPA Pamphlet #1901.

PUMP SAFETY FEATURES

When the apparatus is equipped with an automatic transmission, an interlock board shall be provided to ensure that the pump drive system components are properly engaged in the pumping mode of operation, so that the pumping system can be safely operated from the pump operator's position.

Any control device used in the pumping system power train between the engine and the pump shall be equipped with a means to prevent unintentional movement of the control device from its set position.

A plate indicating the chassis transmission shift selector position to be used for pumping shall be provided in the driving compartment and located so it can be easily read from the driver's position.

Where an automatic transmission is provided and where the pump is driven by a transmission mounted SAE PTO and is used for stationary pumping with the chassis transmission in neutral, or is used for pump and roll with the chassis transmission in any forward or reverse gear:

A:) Two (2) green indicator lights shall be located in the driving compartment. One (1) indicator light shall be energized when the pump drive has been engaged and shall be labeled "**PUMP ENGAGED**". The second light shall be energized when both the pump drive has been engaged and the chassis transmission is in neutral and shall be labeled "**OK TO PUMP**".

B:) One (1) green and one (1) red indicator light on the pump operator's panel shall be provided. The green light shall be energized when both the pump drive has been engaged and the chassis transmission is in neutral. The green light on the pump operator's panel shall be positioned adjacent to and preferably above the throttle control and shall be labeled "**THROTTLE READY**".

PUMP CERTIFICATION TEST - U.L.

One (1) certification test shall be performed at the manufacturers on site testing facility by Underwriters Laboratories.

The certification shall include at minimum:

- A) Pumping Test - NFPA 16.13.2
- B) Pumping Engine Overload Test - NFPA 16.13.3
- C) Pressure Control System Test - NFPA 16.13.4
- D) Priming System Tests - NFPA 16.13.5
- E) Vacuum Test - NFPA 16.13.6
- F) Water Tank-To-Pump Flow Test - NFPA 16.13.7
- G) If Fire Pump is Driven by the Chassis Engine: Engine Speed Advancement Interlock

CHATTANOOGA FIRE DEPARTMENT

Test – NFPA 16.13.8

H) Gauge and Flowmeter Test – NFPA 16.13.9

A test plate shall be provided at the pump operator's position that gives the rated discharges and pressures together with the speed of the engine as determined by the certification test. The plate shall be completely engraved with all information at the factory and attached to the vehicle prior to delivery. The original U.L. Certificate shall be provided upon acceptance and payment of the apparatus in full.

N.F.P.A. TAG REQUIREMENTS

A permanent plate in the driving compartment specifying the quantity and type of the following fluids (when applicable) used in the vehicle:

- (1) Engine oil
- (2) Engine coolant
- (3) Chassis transmission fluid
- (4) Pump transmission lubrication fluid
- (5) Pump priming system fluid, if applicable
- (6) Drive axle(s) lubrication fluid
- (7) Air conditioning refrigerant
- (8) Air conditioning lubrication oil
- (9) Power steering fluid
- (10) Cab tilt mechanism fluid
- (11) Transfer case fluid
- (12) Equipment rack fluid
- (13) CAFS air compressor system lubricant
- (14) Generator system lubricant
- (15) Front tire cold pressure
- (16) Rear tire cold pressure
- (17) Maximum tire speed ratings

An accident prevention sign that states "**OVERALL HEIGHT ___**" **AND LENGTH OF APPARATUS ___**" shall be provided and located in the chassis cab area that is visible to the driver.

An accident prevention sign that states "**GVWR**" shall be provided and located in the chassis cab area that is visible to the driver.

An accident prevention sign that states "**MAXIMUM SEATING CAPACITY ___**" shall be provided and located in the chassis cab in an area that is visible to the driver.

An accident prevention sign that states "**OCCUPANTS MUST BE SEATED AND BELTED WHEN APPARATUS IS IN MOTION**" shall be provided and located in the chassis cab in an area that is visible to each seated position.

An accident prevention sign that states "**DO NOT WEAR HELMET WHILE SEATED**" shall be provided and located in the chassis cab in an area that is visible from each seated position.

One "Final Stage Label" shall be attached to the driver's side door jam. The label shall certify that the complete vehicle conforms to the federal motor vehicle safety standards, which have been previously fully certified by the incomplete vehicle manufacture or by the intermediate vehicle manufacture and have not been affected by the final stage manufacture.

CHATTANOOGA FIRE DEPARTMENT

A warning label that states "**WARNING: DEATH OR SERIOUS INJURY MAY OCCUR if proper operating procedures are not followed. The pump operator and all individuals connecting supply or discharge hoses must be familiar with operator manual, water hydraulics hazards, and component limitations.**" shall be provided and located on the pump operator's panel.

Two (2) accident prevention signs that states "**DANGER: DO NOT RIDE ON REAR STEP WHILE VEHICLE IS IN MOTION DEATH OR SERIOUS INJURY MAY RESULT**" shall be provided and installed one (1) each side at the rear of the apparatus.

NFPA 1901-2016 COMPLIANCE TESTS

VEHICLE STABILITY:

When the fire apparatus is loaded to its estimated in-service weight, the height of the vehicle's center of gravity (CG) shall not exceed 80 percent of the rear axle track width or the vehicle will be equipped with electronic stability control (ESC).

WEIGHT DISTRIBUTION:

When the fire apparatus is loaded to its estimated in-service weight, the front-to-rear weight distribution shall be within the limits set by the chassis manufacturer.

The front axle loads shall not be less than the minimum axle loads specified by the chassis manufacturer under full load and all other loading conditions.

LOAD DISTRIBUTION:

The apparatus manufacturer shall calculate the load distribution for the apparatus, and that load distribution plan shall be delivered with the fire apparatus.

The manufacturer shall engineer the fire apparatus to comply with the gross axle weight ratings (GAWR), the overall gross vehicle weight rating (GVWR), and the chassis manufacturer's load balance guidelines.

The fire apparatus, when loaded to its estimated in-service weight, shall have a side-to-side tire load variation of no more than 7 percent of the total tire load for that axle.

Each tire shall be equipped with a visual indicator or monitoring system that indicates tire pressure.

APPARATUS PERFORMANCE:

The fire apparatus shall meet the requirements of this standard at elevations of 2000 ft (600 m) above sea level.

The fire apparatus shall meet all the requirements of this standard while stationary on a grade of 6 percent in any direction.

The fire apparatus shall meet requirements of this standard in ambient temperature conditions between 32 degrees F (0 degrees C) and 110 degrees F (43 degrees C).

HIGHWAY PERFORMANCE:

The apparatus, when fully equipped and loaded to its estimated in-service weight, shall be capable of the following performance while on dry, paved roads that are in good condition:

CHATTANOOGA FIRE DEPARTMENT

- (3) Accelerating from 0 to 35 mph (55 km/hr) within 25 seconds on a 0 percent grade.
- (4) Attaining a speed of 50 mph (80 km/hr) on a 0 percent grade.
- (5) Maintaining a speed of at least 20 mph (30 km/hr) on any grade up to and including 6 percent.

The maximum top speed of fire apparatus with a GVWR over 26,000 lb (11,800 kg) shall not exceed either 68 mph (109 km/hr) or the manufacturer's maximum fire service speed rating for the tires installed on the apparatus, whichever is lower.

If the combined water tank and foam agent tank capacities on the fire apparatus exceed 1250 gal (4732 L), or the GVWR of the vehicle is over 50,000 lb (22,680 kg), the maximum top speed of the vehicle shall not exceed 60 mph (95 km/hr) or the manufacturer's maximum fire service speed rating for the tires installed on the apparatus, whichever is lower.

SERVICEABILITY:

The fire apparatus shall be designed so that all the manufacturer's recommended routine maintenance checks of lubricant and fluid levels can be performed by the operator without lifting the cab of a tilt-cab apparatus or without the need for hand tools.

Where special tools are required for routine service on any component of the apparatus, such tools shall be provided with the apparatus.

Apparatus components that interfere with repair or removal of other major components shall be attached with fasteners, such as cap screws and nuts, so that the components can be removed and installed with ordinary hand tools. These components shall not be welded or otherwise permanently secured into place.

GENERAL PRE-DELIVERY TESTS:

Each apparatus shall be tested by the manufacturer before delivery to verify that it meets the criteria in the section.

Tests shall be conducted at a location and in a manner that does not violate local, state or provincial, or federal traffic laws.

Tests shall be conducted on dry, level, paved surface that is free of loose material, oil, or grease.

Tests shall be conducted with the water and foam tanks full (water or product).

The apparatus shall accelerate from 0 to 35 mph (55 km/hr) within 25 seconds.

The apparatus shall attain a minimum top speed of 50 mph (80 km/hr).

The auxiliary braking system, if so equipped, shall function as intended by the auxiliary braking system manufacturer.

The air service brakes shall bring the apparatus to a complete stop from a speed of 20 mph (32.2 km/hr) in a distance not exceeding 35 ft (10.7 m).

The hydraulic service brakes shall bring the apparatus to a complete stop from a speed of 30 mph (48.2 km/hr) in a distance not exceeding 88 ft (26.8 m).

CHATTANOOGA FIRE DEPARTMENT

MANUALS

Two (2) sets of a complete operation and service manual on USB covering the completed apparatus shall be included at the time of completion.

ADDITIONAL EQUIPMENT - TO BE SUPPLIED

WHEEL CHOCKS

One (1) pair of Worden HWG wheel chocks shall be provided and stored in the wheel chock storage compartment.

ROAD SAFETY KIT

One (1) 2-1/2# BC DOT Approved fire extinguisher shall be provided and shipped loose.

One (1) triple set of DOT approved hazard triangles shall be supplied. They shall be stored in a plastic case and shipped loose.

SUCTION HOSE - 6"

Four (4) 6" X 10' lengths of lightweight hard suction hose with NST couplings shall be provided.

FOL-DA-TANK

One (1) 2100 gallon, 22 oz., red HPR, Fol-Da-Tank shall be supplied with the delivery of the apparatus. It shall come equipped with aluminum framing and inside lifting handles.



A Wholly Owned Subsidiary of Spartan Motors, Inc.
907 7th AVENUE NORTH BRANDON, SD 57005-2003
(605) 582-4000 FAX (605) 582-4001

Purchase Order Acceptance

Thank you for your purchase order # _____ dated _____, 2019. Your order is accepted, but our acceptance is expressly conditioned upon acceptance by you of the terms and conditions contained below.

(1) Spartan shall furnish, and Customer shall purchase, the apparatus and equipment ("Apparatus and Equipment") described and in accordance in all material respects with the specifications ("Original Specifications") submitted with the bid proposal (the "Bid Proposal"). In the event there is any conflict between Original Specification and the Bid Proposal, the Bid Proposal will prevail.

(2) This order for Apparatus and Equipment conforms to all Federal Department of Transportation (DOT) and Environmental Protection Agency (EPA) rules and regulations and to all National Fire Protection Association (NFPA) Guidelines for Automotive Fire Apparatus in effect as of the Effective Date. Any increased cost incurred by Spartan ERV because of future changes in or additions to such DOT, EPA or NFPA standards will be passed along to Customer as an addition to the Purchase Price set forth below.

(3) The Apparatus and Equipment shall be ready for delivery from Spartan's factory, within 395 days. **This delivery timeframe is subject to modification if there are customer driven delays to holding the pre-construction meeting and/or if there are customer driven delays to returning the corresponding signed CO to the factory. All days exceeding 10 days after the pre-construction conclusion with priced CO ready for approval will be added to the above-mentioned delivery timeframe.** Any further delays after the pre-construction has been completed in providing additional desired specifications, change approvals, inspection timelines, or other required information for the Apparatus and Equipment may result in an extension of the above referenced delivery timeline by the amount of time Spartan requires, in its sole but reasonable discretion, to furnish the Apparatus and Equipment following Customer's delay, but in any event by at least the duration of Customer's delay.

A \$200.00 per day penalty clause will be paid to the Customer if the apparatus is not completed within the above referenced delivery timeframe. Any modifications made to apparatus after the signed pre-construction change order or any delays by Customer as noted above may extend the above quoted delivery timeframe as determined by Spartan. The penalty clause will stop once apparatus has shipped from Spartan.

(4) A competent Spartan service representative shall, upon request, be provided to demonstrate any Apparatus and Equipment and/or to give Customer's employees the necessary instructions in the operation and handling of any Apparatus or Equipment.

(5) In exchange for the Apparatus and Equipment, Customer agrees to pay Spartan the sum of Six Hundred Seven Thousand Three Hundred Forty Eight Dollars (\$ 607,348.00) ("Purchase Price"). The Purchase Price (a) includes a discount of \$ N/A dollars for a \$ N/A dollar prepayment to be made at N/A (type of prepayment option chosen). Net payment is due upon delivery to Customer, unless otherwise specified herein. Interest at 18 percent per annum, payable monthly, shall be charged on all past due payments. If more than one item of Apparatus and Equipment is covered by this Contract, the above terms of payment shall apply to each item, and an invoice covering each item shall be rendered in the proper amount and paid upon delivery of the item. In the event the Apparatus and Equipment is placed in service prior to payment in full, Spartan reserves the right to charge a rental fee of Three Hundred Fifty Dollars (\$ 350.00) per day. Any applicable taxes not specified noted above will be paid by Customer directly, or will be added to the Purchase Price and paid by Spartan. If Customer claims exemption from any tax, Customer shall furnish applicable exemption certificate to Spartan and hold Spartan harmless from any such tax, interest or penalty which may at any time be assessed against Spartan.

(6) Acceptance of Apparatus and Equipment shall occur immediately after completion of a final inspection by a representative of Customer at a factory location of Spartan, completion of any discrepancy list, and shipment of Apparatus and Equipment from Spartan's factory location. Upon completion of the final inspection and related discrepancy list, the Apparatus and Equipment shall be conclusively determined to be in full compliance with the terms of this Contract, including without limitation the Original Specifications. Spartan will not surrender to Customer the title to or the statement of origin for any Apparatus or Equipment or provide Customer with any other documentation regarding ownership of any Apparatus or Equipment until Spartan has received full payment of the Purchase Price and taxes.

(7) Spartan shall not be liable to Customer or to anyone else for consequential, incidental, special, exemplary, indirect or punitive damages arising from any defect, delay, non-delivery, recall or other breach by Spartan, including but not limited to personal injury, death, property damage, lost profits, or other economic injury. Spartan shall not be liable to Customer or anyone else in tort for any negligent design or manufacture of any body or other part of Apparatus or Equipment, or for the omission of any warning with respect thereto.

(8) Customer shall indemnify Spartan against, and hold Spartan, its agents, employees, officers and directors harmless from, any and all claims, action, suits and proceedings, costs, expenses, damages and liabilities, whether based in negligence, tort, strict liability or otherwise, including attorney's fees and costs, arising out of, connected with, or resulting from this agreement or the Apparatus or Equipment, except to the extent such claims, action, suits and proceedings, costs, expenses, damages or liabilities arise from Spartan's breach of its obligations under this agreement.

(9) Spartan warrants that, at the time of delivery, the Apparatus and Equipment shall comply in all material respects with the Original Specifications. THE ONLY OTHER WARRANTIES APPLICABLE TO THE APPARATUS AND EQUIPMENT ARE THOSE EXPRESSLY SET FORTH IN THE BID PROPOSAL AND IDENTIFIED AS APPLYING TO THE APPARATUS AND EQUIPMENT. SUCH WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE.

(10) Spartan shall not be liable if performance failure arises out of causes beyond its reasonable control, which causes shall include without limitation acts of God, war, fires, floods, difficulty in procuring materials, equipment or tooling failure, freight embargoes, order of any court, strike, lockout, shortage of labor, failure or delays by suppliers or contractors, or legislative or governmental, or other, prohibitions or restrictions.

(11) The Apparatus and Equipment shall remain the property of Spartan until the entire Purchase Price for each and every item of Apparatus and Equipment has been paid. In case of a default in payment, Spartan may take full possession of the Apparatus and Equipment, or of the item or items upon which default has been made, and any payments that have been made shall be applied as payment for the use of the Apparatus and Equipment up to the date Spartan takes possession.

(12) This acceptance will only be binding on Spartan after it is signed and approved by an authorized representative of the fire department. This acceptance supersedes all prior oral or written agreements and understandings relating to the subject matter of this agreement. The Customer representative signing this document on Customer's behalf represents and warrants that he or she has the authority to sign this document and that all necessary action has been taken by Customer to authorize Customer's execution of and performance under this agreement.

(13) In the event that any court of competent jurisdiction shall determine that any provision, or any portion thereof, contained in this agreement shall be unenforceable in any respect, then the provision shall be deemed limited to the extent that the court deems it enforceable, and as so limited shall remain in full force and effect. In the event that the court shall deem any provision, or portion thereof, wholly unenforceable, the remaining provisions of this agreement shall nevertheless remain in full force and effect.

(14) This agreement shall be governed by and construed in accordance with the laws of the State of South Dakota without giving effect to principles of conflict of laws. Customer irrevocably and unconditionally (a) agrees that any suit, action, or other legal proceeding arising out of or relating to this agreement may, at the option of Spartan, be brought in a court of record of the State of South Dakota in Minnehaha County, in the United States District Court for the District of South Dakota, or in a court of record of the State of Michigan in either Kent County or Eaton County, where Spartan's parent company, Spartan Motors, Inc., is located, or in the United States District Court for the Western District of Michigan, or in any other court of competent jurisdiction; (b) consents to the jurisdiction of each such court in any such suit, action or proceeding; and (c) waives any objection that it may have to the laying of venue of any such suit, action, or proceeding in any of such courts.

This Purchase Order acceptance is agreed to by the parties as of the Effective Date.

Spartan Motors USA, Inc.

Customer: _____

By: _____
Spartan Motors USA, Inc. Officer Signature

By: _____
Customer Signature

Print Name

Print Name

Its: _____

Its: _____

Date

Date