

TENTATIVE AGENDA
RAYTOWN BOARD OF ALDERMEN
APRIL 11, 2017
REGULAR SESSION No. 47
RAYTOWN CITY HALL
10000 EAST 59TH STREET
RAYTOWN, MISSOURI 64133

OPENING SESSION
7:00 P.M.

Invocation
Pledge of Allegiance
Roll Call

Proclamations & Presentations

- ★ A Proclamation recognizing Raytown School District 2017-2018 Teacher of the Year
- ★ A Proclamation recognizing Raytown High School Student Council-Gold Award
- ★ A Proclamation recognizing Romeo Bagunu for the Missouri Scholars 100 Program
- ★ A Proclamation recognizing National Telecommunicator Week

Public Comments

Communication from the Mayor

Communication from the City Administrator

Committee Reports

LEGISLATIVE SESSION

1. CONSENT AGENDA

All matters listed under the Consent Agenda are considered to be routine by the Board of Aldermen and will be enacted by one motion without separate discussion or debate. The Mayor or a member of the Board of Aldermen may request that any item be removed from the consent agenda. If there is no objection by the remaining members of the board, such item will be removed from the consent agenda and considered separately. If there is an objection, the item may only be removed by a motion and vote of the board.

Approval of the Regular March 21, 2017 Board of Aldermen meeting minutes.

REGULAR AGENDA

NEW BUSINESS

2. **R-2959-17: A RESOLUTION** AUTHORIZING AND APPROVING A PROFESSIONAL SERVICES AGREEMENT BETWEEN COLUMBIA CAPITAL AND THE CITY OF RAYTOWN FOR FINANCIAL ADVISORY SERVICES AND AMEND THE FISCAL YEAR 2016-2017. Point of Contact: Briana Burrichter, Finance Director.
3. **R-2960-17: A RESOLUTION** ESTABLISHING THE RATES FOR MEDICAL AND DENTAL INSURANCE FOR THE INSURANCE PLAN YEAR FROM JULY 1, 2017 TO JUNE 30, 2018. Point of Contact: Debbie Duncan, Human Resource Manager.
4. **R-2961-17: A RESOLUTION** AMENDING THE FISCAL YEAR 2016-2017 BUDGET RELATED TO THE POLICE PENSION FUND IN THE AMOUNT OF \$45,272.00 FOR A TOTAL AMOUNT NOT TO EXCEED \$608,134.00 FOR FISCAL YEAR 2016-2017. Point of Contact: Jim Lynch, Police Chief.

5. **R-2962-17: A RESOLUTION** AMENDING THE FISCAL YEAR 2016-2017 BUDGET RELATED TO THE EXPENDITURE OF FUNDS WITH THE KANSAS CITY MISSOURI POLICE DEPARTMENT CRIME LAB. Point of Contact: Jim Lynch, Police Chief.
6. **R-2963-17: A RESOLUTION** AUTHORIZING AND APPROVING THE EXPENDITURE OF FUNDS WITH KANSAS CITY BOARD OF POLICE COMMISSIONERS IN AN AMOUNT NOT TO EXCEED \$67,750.00 FOR FISCAL YEAR 2016-2017. Point of Contact: Jim Lynch, Police Chief.
7. **R-2964-17: A RESOLUTION** AUTHORIZING AND APPROVING THE PURCHASE OF MOBILE AND PORTABLE RADIOS AND EQUIPMENT FROM MOTOROLA SOLUTIONS, INCORPORATED OFF THE JOHNSON COUNTY KANSAS RADIO AND ACCESSORIES CONTRACT IN AN AMOUNT NOT TO EXCEED \$84,185.00. Point of Contact: Jim Lynch, Police Chief.
8. **R-2965-17: A RESOLUTION** AUTHORIZING AND APPROVING THE FINAL SALT BARN BUILDING PAYMENT IN THE AMOUNT OF \$47,998.30 TO SUNTRUST EQUIPMENT FINANCE & LEADING CORP AND AMENDING THE FISCAL YEAR 2016-2017. Point of Contact: Jason Hanson, Interim Public Works Director.
9. **R-2966-17: A RESOLUTION** AUTHORIZING AND APPROVING THE PURCHASE OF MATERIALS FROM VANCE BROTHERS, INC. FOR THE 2016 CHIP SEAL PROJECT IN AN AMOUNT NOT TO EXCEED \$54,862.47 FOR FISCAL YEAR 2016-2017. Point of Contact: Jason Hanson, Interim Public Works Director.

ADJOURNMENT

TENTATIVE AGENDA
RAYTOWN BOARD OF ALDERMEN
MARCH 21, 2017
REGULAR SESSION No. 46
RAYTOWN CITY HALL
10000 EAST 59TH STREET
RAYTOWN, MISSOURI 64133

OPENING SESSION
7:00 P.M.

Mayor Michael McDonough called the March 21, 2017 Board of Aldermen meeting to order at 7:01 p.m. Dorinda Nicholson, of the Raytown Community Interfaith Alliance, provided the invocation and the Mayor led the pledge of allegiance.

Roll Call

Roll was called by Joe Willerth, City Attorney, and the attendance was as follows:

Present: Alderman Karen Black, Alderman Jim Aziere, Alderman Jason Greene, Alderman Mark Moore,
Alderman Steve Meyers, Alderman Bill Van Buskirk, Alderman Eric Teeman
Absent: Alderman Janet Emerson

Proclamations & Presentations

The Mayor presented the following proclamations:

- Megan Butler - Missouri Outstanding Beginning Teacher Award
- Brenda Kueck - Missouri Outstanding Jazz Educator Award
- Lisa Kirk - Missouri Elementary Art Educator of the Year Award
- Otis Peeler - Raytown South Student State Wrestling
- Emmanuel Childs - Raytown South Student State Wrestling
- Herndon Culinary School - First Place at Missouri ProStart Invitational Culinary Competition

Public Comments

Chief of Police, Jim Lynch, City Hall, presented public copies of the Police Department's 2016 Annual Report.

Alderman Steve Meyers, City Hall, spoke regarding the recent statements made against the City's Board of Aldermen and administration.

Alderman Jason Greene, City Hall, provided a statement concerning past meetings with the Raytown Fire Protection District regarding the Wal-Mart 350 Live TIF District.

Matt Mace, Fire Chief of the Raytown Fire Protection District, 6020 Raytown Trafficway, spoke in response to the March 8, 2017 Raytown Times' article "The View from Inside."

Alderman Karen Black, City Hall, spoke in response to the March 8, 2017 Raytown Times' article "The View from Inside."

Chris Rathbone, 7425 Harvard Ave, representing himself, spoke in response to the March 8, 2017 Raytown Times' article "The View from Inside" and other public posts regarding the Park Board and Super Splash.

Robbie Tubbs, 7405 Willow, spoke regarding the Raytown Times' article "The View from Inside" and its weekly "Letters to the Editor" contributors.

Sam Dawson, 6800 Hawthorne Ave., urged the City's leaders to work together and continue forward in developing the community.

Joe Creamer, 8808 E 66 Street, spoke regarding the responses to his contributions to the Raytown Times' "Letters to the Editor" section.

Mike Downey, 9300 E 65 Street, cited Resolution 1422-04 as stating that personal attacks are not permitted during Board of Aldermen meetings.

Alderman Jim Aziere, City Hall, clarified statements made in his March 8, 2017 Raytown Times article, "The View from Inside."

Communication from the Mayor

The Mayor clarified that during the current municipal election season, candidates may be erroneously promising to bring new street lights and asphalt paving to the streets of Raytown. These services have been investigated recently and were found to be unfeasible due to their excessive cost.

March 16, the Mayor attended a retirement party for Chuck Green, Special Agent in charge of the Kansas City Office of the United States Secret Service.

March 17, the Mayor, along with several Aldermen, attended the Raytown Chamber of Commerce Governmental Relations Committee.

March 18, the Mayor attended the bake sale and pancake breakfast fundraiser for REAP.

March 18-19, the Mayor attended the Rice-Tremonti Soup and Craft festival.

The Mayor read an abridged version of his March 20, 2017 Press Release.

Communication from the City Administrator

Jason Hanson has been named Interim Public Works Director while applications for a new director are being submitted.

Financial Auditors are currently completing the City's Annual Audit.

Staff is planning the upcoming Citywide Clean-Up day.

EMS billing services bids have been received and will be reviewed in the coming days.

Last week, the Area Transportation Authority and Jackson County hosted an open house at the Wellness Center regarding the Rock Island trail and transportation plan. A formal presentation will be scheduled for an upcoming Board of Aldermen meeting.

The new Personnel Manual's amendments are being reviewed by the committee and will then be distributed to the departments for their review and feedback.

Committee Reports

Alderman Teeman, presenting a Parks report, announced various league and event dates: the Raytown Softball League will begin April 17; the Raytown Arts and Music Festival will feature Brewer & Shipley on August 26; the adult Tennis League will begin May 2 and youth with adult lesson offered throughout the summer; the Raytown Fishing Derby will be held on June 3 at 11 a.m.

Alderman Aziere stated that on April 10 all-state swimmer Jordan Atkins will sign with Oklahoma Baptist University.

Alderman Van Buskirk attended the REAP pancake breakfast and the Rice-Tremonti Soup and Craft Festival. The 2017 Egg Extravaganza will be April 15 and the schedule of events is as follows: parade, 8 a.m.; Mayor's children's book reading, 12 p.m.; egg hunt at 62nd Street and Blue Ridge Blvd, 1 p.m.

LEGISLATIVE SESSION

1. **CONSENT AGENDA**

All matters listed under the Consent Agenda are considered to be routine by the Board of Aldermen and will be enacted by one motion without separate discussion or debate. The Mayor or a member of the Board of Aldermen may request that any item be removed from the consent agenda. If there is no objection by the remaining members of the board, such item will be removed from the consent agenda and considered separately. If there is an objection, the item may only be removed by a motion and vote of the board.

Approval of the Regular March 7, 2017 Board of Aldermen meeting minutes.

Alderman Black, seconded by Alderman Moore, made a motion to adopt. The motion was approved by a vote of 7-0-1.

Ayes: Aldermen Black, Moore, Teeman, Van Buskirk, Meyers, Greene, Aziere

Nays: None

Absent: Alderman Emerson

REGULAR AGENDA

Alderman Meyers, seconded by Alderman Moore, made a motion to address R-2951-17, which was originally agenda item number two, before continuing with the regular agenda order. The motion was approved by a vote of 7-0-1.

Ayes: Aldermen Meyers, Moore, Teeman, Van Buskirk, Greene, Aziere, Black

Nays: None

Absent: Alderman Emerson

NEW BUSINESS

2. **R-2951-17: A RESOLUTION AMENDING THE FISCAL YEAR 2016-2017 BUDGET RELATED TO RAYTOWN BMX.** Point of Contact: Kevin Boji, Parks Director.

The resolution was read by title only by Joe Willerth, City Attorney.

Kevin Boji and Raquel Cumberland, President of Raytown BMX, remained present for any discussion.

Alderman Greene, seconded by Alderman Aziere, made a motion to adopt. The motion was approved by a vote of 7-0-1.

Ayes: Alderman Greene, Aziere, Meyers, Black, Teeman, Van Buskirk, Moore

Nays: None

Absent: Alderman Emerson

OLD BUSINESS

3. **Public Hearing:** A public hearing to consider an application for Chapter 353 Tax Abatement for property located at 5902 Blue Ridge Boulevard.

3a. **SECOND READING: Bill No. 6440-17, Section XXXVI. AN ORDINANCE ADOPTING AND APPROVING THE NINTH AMENDED DEVELOPMENT PLAN SUBMITTED BY THE RAYTOWN MUNICIPAL REDEVELOPMENT CORPORATION, ESTABLISHING A DECLARATION THAT THE REDEVELOPMENT AREA DESCRIBED WITHIN THE NINTH AMENDED DEVELOPMENT PLAN IS A BLIGHTED AREA IN NEED OF DEVELOPMENT AND REDEVELOPMENT, AND AUTHORIZING CERTAIN TAX ABATEMENTS WITHIN THE REDEVELOPMENT AREA DESCRIBED WITHIN THE NINTH AMENDED DEVELOPMENT PLAN.** Point of Contact: Tom Cole, City Administrator.

The ordinance was read by title only by Joe Willerth, City Attorney.

Mayor McDonough opened the public hearing.

Tom Cole remained available for any discussion.

Alderman Van Buskirk stated that he has had ex parté communication regarding the matter and, prior to deciding, will continue to consider all information as it comes in.

Mayor McDonough closed the public hearing.

Alderman Greene, seconded by Alderman Teeman, made a motion to adopt. The motion was approved by a vote of 7-0-1.

Ayes: Aldermen Greene, Teeman, Moore, Van Buskirk, Black, Aziere, Meyers

Nays: None

Absent: Alderman Emerson

NEW BUSINESS

4. **R-2952-17: A RESOLUTION** AUTHORIZING AND APPROVING PARTICIPATION BY THE CITY IN THE MISSOURI DEPARTMENT OF TRANSPORTATION HIGHWAY SAFETY CRASH REDUCTION/HAZARDOUS MOVING ENFORCEMENT PROJECT AND AN APPLICATION FOR GRANT FUNDING IN CONNECTION WITH THE HIGHWAY SAFETY CRASH REDUCTION/HAZARDOUS MOVING ENFORCEMENT GRANT FOR SUCH PURPOSES. Point of Contact: Jim Lynch, Police Chief.

The resolution was read by title only by Joe Willerth, City Attorney.

Chief Jim Lynch remained available for any discussion.

Discussion included that the grant amount goes down each year, and this is to be expected. A portion of the grant will go towards training officers involved in the project.

Alderman Teeman, seconded by Alderman Black, made a motion to adopt. The motion was approved by a vote of 7-0-1.

Ayes: Aldermen Teeman, Black, Van Buskirk, Greene, Moore, Aziere, Meyers

Nays: None

Absent: Alderman Emerson

5. **R-2953-17: A RESOLUTION** AUTHORIZING AND APPROVING THE PURCHASE OF PARTS AND SUPPLIES FOR POLICE VEHICLES FROM LE UPFITTER LLC OFF THE WESTERN STATES CONTRACTING ALLIANCE CONTRACT IN AN AMOUNT NOT TO EXCEED \$29,016.14 FOR YEAR 2016-2017. Point of Contact: Jim Lynch, Police Chief.

The resolution was read by title only by Joe Willerth, City Attorney.

Chief Jim Lynch and Captain Michelle Rogers remained available for any discussion.

Discussion clarified that this is the same vendor that was used in the past but their name has changed.

Alderman Teeman, seconded by Alderman Moore, made a motion to adopt. The motion was approved by a vote of 7-0-1.

Ayes: Aldermen Teeman, Moore, Black, Meyers, Greene, Van Buskirk, Aziere

Nays: None

Absent: Alderman Emerson

6. **R-2954-17: A RESOLUTION** AUTHORIZING AND APPROVING THE CONTINUATION AN AGREEMENT WITH INFINITY BUILDING SERVICES FOR MOWING SERVICES IN AN AMOUNT NOT TO EXCEED \$52,000.00 BUT WITHIN BUDGETED AMOUNTS FOR FISCAL YEAR 2016-2017. Point of Contact: Jason Hanson, Interim Public Works Director.

The resolution was read by title only by Joe Willerth, City Attorney.

Jason Hanson and Kevin Boji, Parks Director, remained available for any discussion.

Discussion included that this is the third year of a three-year contract. Year two involved Infinity Building Services management changes that resulted in their mowing services being behind schedule. The low amount of this bid could be contributing to the company's lack of attentiveness to the City's needs. Terminating the agreement is the only legal recourse to hold the company accountable and the contract would need to be opened to new bids to create better incentives. Continued communication with the contractor will be used to ensure their accountability. In the past, the Parks and Public Works departments handled the City's mowing services. This Winter, the mowing contract is tentatively planned to be opened for new bids.

Alderman Van Buskirk, seconded by Alderman Teeman, made a motion to adopt. The motion was approved by a vote of 5-2-1.

Ayes: Aldermen Van Buskirk, Teeman, Meyers, Greene, Black

Nays: Aldermen Moore, Aziere

Absent: Alderman Emerson

7. **R-2955-17: A RESOLUTION** AUTHORIZING AND APPROVING THE PURCHASE OF ASPHALT AND RELATED SUPPLIES FROM VANCE BROTHERS, INC. IN AN AMOUNT NOT TO EXCEED \$35,000.00 FOR FISCAL YEAR 2016-2017. Point of Contact: Jason Hanson, Interim Public Works Director.

The resolution was read by title only by Joe Willerth, City Attorney.

Jason Hanson remained available for any discussion.

Discussion included that this purchase is for supplies to be used through Fall 2017 and the funds come from the Transportation Sales Tax account.

Alderman Van Buskirk, seconded by Alderman Meyers, made a motion to adopt. The motion was approved by a vote of 7-0-1.

Ayes: Aldermen Van Buskirk, Meyers, Teeman, Moore, Greene, Black, Aziere

Nays: None

Absent: Alderman Emerson

8. **R-2956-17: A RESOLUTION** AUTHORIZING AND APPROVING THE PURCHASE OF PARTS AND SUPPLIES FROM O'REILLY AUTO PARTS OFF THE NATIONAL JOINT POWERS ALLIANCE COOPERATIVE PURCHASING CONTRACT IN AN AMOUNT NOT TO EXCEED \$65,000.00 FOR FISCAL YEAR 2016-2017. Point of Contact: Jason Hanson, Interim Public Works Director.

The resolution was read by title only by Joe Willerth, City Attorney.

Jason Hanson remained available for any discussion.

Discussion included that this purchase will be funded jointly through the General and Sanitary Sewer funds.

Alderman Teeman, seconded by Alderman Moore, made a motion to adopt. The motion was approved by a vote of 7-0-1.

Ayes: Aldermen Teeman, Moore, Aziere, Van Buskirk, Black, Meyers, Greene

Nays: None

Absent: Alderman Emerson

9. **R-2957-17: A RESOLUTION** AUTHORIZING AND APPROVING THE EXPENDITURE OF FUNDS TO ACQUIRE EASEMENTS RELATED TO THE 83RD STREET BRIDGE PROJECT IN AN AMOUNT NOT TO EXCEED \$18,000.00 AND AMEND THE FISCAL YEAR 2016-2017 BUDGET. Point of Contact: Jason Hanson, Interim Public Works Director.

The resolution was read by title only by Joe Willerth, City Attorney.

Discussion included that Olsson Associates took quotes and subcontracted an appraiser to value each of the properties. The cost of the easements is based on square footage as well as each easement's temporary or permanent status.

Jason Hanson remained available for any discussion.

Alderman Teeman, seconded by Alderman Aziere, made a motion to adopt. The motion was approved by a vote of 7-0-1.

Ayes: Aldermen Teeman, Aziere, Greene, Van Buskirk, Meyers, Black, Moore

Nays: None

Absent: Alderman Emerson

10. **R-2958-17: A RESOLUTION** AUTHORIZING AND APPROVING THE EXPENDITURE OF FUNDS TO REMOVE TREES RELATED TO THE 83RD STREET BRIDGE PROJECT IN AN AMOUNT NOT TO EXCEED \$2,500.00 AND AMEND THE FISCAL YEAR 2016-2017 BUDGET. Point of Contact: Jason Hanson, Interim Public Works Director.

The resolution was read by title only by Joe Willerth, City Attorney.

Jason Hanson remained available for any discussion.

Discussion included that erosion control for the area is included as part of the plans for the bridge project.

Alderman Teeman, seconded by Alderman Black, made a motion to adopt. The motion was approved by a vote of 7-0-1.

Ayes: Aldermen Teeman, Black, Aziere, Greene, Moore, Meyers, Van Buskirk

Nays: None

Absent: Alderman Emerson

ADJOURNMENT

Alderman Black, seconded by Alderman Teeman, made a motion to adjourn. The motion was approved by a majority of those present.

The meeting adjourned at 9:30 p.m.

Teresa M. Henry, MRCC
City Clerk

CITY OF RAYTOWN

Request for Board Action

Date: April 6, 2017
To: Mayor and Board of Aldermen
From: Briana Burrichter, Director of Finance

Resolution No.: R-2959-17

Department Head Approval: _____

Finance Director Approval: _____ (only if funding is requested)

City Administrator Approval: _____

Action Requested: Staff request approval of a professional services agreement between Columbia Capital and the City of Raytown for Financial Advisory Services. Specifically set fees in relation to the refunding of the 2007 Tax Increment & Sales Tax Revenue Bonds, and the financing of upcoming transportation projects.

Recommendation: Approve the Financial Advisor agreement and approve budget adjustment to cover advisory fees.

Analysis: The Government Finance Officer Association (GFOA) recommends that cities hire a municipal financial advisor prior to the undertaking of a debt financing through a formal RFQ process. On March 7, the City issued a Request for Qualifications for Financial Advisory Services. Four advisory groups were contacted directly and the request was advertised and placed on the City web site. The City received three responses, all from advisors we directly solicited. Below is a breakout of the advisors.

Municipal Advisors	Solicited	Meet Qualifications	Interviewed
Columbia Capital	Yes	Yes	Yes
Piper Jaffray	Yes	Yes	Yes
Springsted	Yes	Yes	Yes
George K. Baum	Yes	No Response	No

The City reviewed the qualifications of the three responses and choose to interview all three advisors. The firm that stood out to staff was Columbia Capital. They are proposing the following two separate flat fees for the upcoming debt transactions.

Financial advisory services related to the refunding of the City's Annual Appropriation-Supported Tax Increment and Sales Tax Revenue Bonds, Series 2007	\$30,600
Financial advisory services related to the City's issuance of annual appropriation-backed financing to fund approximately \$3-\$4 million Transportation Projects	\$18,400

The Financial Advisor agreement is for a three-year term with two additional one year optional extensions. Any additional billable work would be at the following rates.

Hourly rate for non-transaction related analysis or project work (e.g. periodic refunding scans, economic modeling, general consulting work and other non-transaction related services).	\$200
Hourly rate for non-transaction related analysis or project work related to economic development projects (e.g. feasibility study review, but-for analysis, etc.)	\$295

Alternatives: Forgo the opportunity to call the 350 Hwy. Raytown Live bonds and secure a lower interest rate on the debt, that should provide a significant long-term savings to the City. Not move forward with the desired transportation projects that Public Works is ready to begin.

Budgetary Impact:

- Not Applicable
- Budgeted item with available funds
- Budgeted item with available funds and costs coming in less than estimate savings of \$_____
- Non-Budgeted item with available funds through prioritization
- Non-Budgeted item with additional funds requested

210.00.00.100.52250 – \$30,600

Funding Source- 210.00.00.100.39999 TIF Unrestricted Fund Balance

204.42.00.100.52250 - \$18,400

Funding Source- 204.00.00.100.39999 Transportation Sales Tax Fund Balance

Additional Reports Attached: Financial Advisory Services Agreement and Fee Proposal

AN RESOLUTION AUTHORIZING AND APPROVING A PROFESSIONAL SERVICES AGREEMENT BETWEEN COLUMBIA CAPITAL AND THE CITY OF RAYTOWN FOR FINANCIAL ADVISORY SERVICES AND AMEND THE FISCAL YEAR 2016-2017 BUDGET

WHEREAS, it is necessary for the City to utilize the services of a municipal financial advisor before undertaking any type of debt financing; and

WHEREAS, the City issued a request for qualifications on March 7, 2017 for Financial Advisory Services and received three responses; and

WHEREAS, after review of the qualifications submitted and interviews were conducted with all three advisors, Columbia Capital was determined to be the most qualified to provide such services;

WHEREAS, in order to utilize the services of a municipal financial advisor it is necessary to amend the Fiscal Year 2016-2017 budget; and

NOW THEREFORE, BE IT ORDAINED BY THE BOARD OF ALDERMEN OF THE CITY OF RAYTOWN, MISSOURI, AS FOLLOWS:

THAT, the professional services agreement by and between Columbia Capital and the City of Raytown, a copy of which is attached hereto and incorporated herein as Exhibit A, is hereby authorized and approved and fees for such services shall be as specified in the agreement; and

FURTHER THAT, Fiscal Year 2016-2017 Budget approved by Resolution R-2909-16 is hereby amended as follows:

FROM:	TO:
210.00.00.100.39999 \$30,600.00 TIF Unrestricted Fund Balance	210.00.00.100.52250
204.00.00.100.39999 \$18,400.00 Transportation Sales Tax Fund Balance	204.42.00.100.52250

FURTHER THAT, the City Administrator is authorized to execute any and all documents necessary to the performance thereof, and the City Clerk is authorized to attest to the same.

PASSED AND ADOPTED by the Board of Aldermen and **APPROVED** by the Mayor of the City of Raytown, Missouri, the 11th day of April, 2017.

Michael McDonough, Mayor

ATTEST:

Approved as to Form:

Teresa M. Henry, City Clerk

Joe Willerth, City Attorney

AGREEMENT

FINANCIAL ADVISORY SERVICES
FOR THE
CITY OF RAYTOWN, MISSOURI

This **AGREEMENT** (the “Agreement”), for financial advisory services is entered into between **CITY OF RAYTOWN, MISSOURI**, a Missouri municipal corporation organized pursuant to the laws of the State of Missouri, (the “City”) and **COLUMBIA CAPITAL MANAGEMENT, LLC**, a limited liability company organized under the laws of Missouri, (“CCM”) with respect to the provision of certain services pertaining to various City public finance transactions and related services, the City and CCM agree as follows:

WITNESSETH:

WHEREAS, the City has determined that the services of a financial advisor are appropriate, convenient and necessary in order to effectuate its purposes; and

WHEREAS, CCM is experienced and qualified to provide financial advisory services to the City as contemplated in this Agreement; and

NOW, THEREFORE, the parties hereto do mutually agree as follows:

1. Content of Agreement

The Agreement consists of this signed document, including any attachments, schedules, tables, or exhibits attached hereto and initialed by representatives of CCM and the City which are incorporated herein.

2. Amendment, Supplement or Modification

The Agreement constitutes the entire agreement between CCM and the City. The Agreement may be amended, supplemented or modified only in writing, executed by representatives of the City and CCM. Such amendments, supplements or modifications cannot alter the terms of the Agreement as executed unless expressly agreed to in writing by the City and CCM. If any provision herein is held to be invalid or unenforceable, the remainder of the Agreement shall remain in full force and effect.

3. Scope of Services

During the period that this Agreement is effective, CCM will provide the following services:

- A. As directed by the City, perform all the duties customarily performed by financial advisors in connection with the public and private offerings and sale of municipal securities.

- B. Advise the City on term, structure and marketing features of a transaction, including, but not limited to, type of sale (negotiated or competitive), maturity dates, couponing, call features, security provisions and covenants and costs of issuance in consideration of the policies and goals of the City.
- C. As requested by the City, and in cooperation and communication with the City, to prepare for all meetings and public presentations related to the issuance of debt, to include but not be limited to: rating agency presentations, insurer presentations, investor presentations, City Council presentations, internal staff presentations, and public presentations.
- D. Assist the City in soliciting bids for and procuring the services of credit enhancement agencies, banking services, internet disclosure and bidding services and any other related financial services essential to any alternative forms of financing which the City may elect to use.
- E. Advise the City on market conditions and other factors affecting the successful sale of the Bonds.
- F. As directed by the City, assist in the marketing of the Bonds or Notes among prospective bond underwriters and investors.
- G. In the case of a competitive bond sale, assist in the preparation (including reviewing and commenting on) and distribution to the prospective investors, financial institutions and bidders the Official Notice of Sale and assist in the preparation of the Preliminary and Final Official Statement containing comprehensive information with respect to any Notes or Bonds being offered by the City, and the legal documents and other information necessary for the sale of the debt. CCM will coordinate the public sale of such securities through an internet medium.
- H. As requested and directed by the City, in the case of a negotiated sale, represent the City and assist in the preparation of (including reviewing and commenting on) the preliminary and final Official Statements for any Notes or Bonds being offered by the City, the legal documents and other information necessary for the sale of the debt. Based upon the City's defined selection criteria CCM will recommend an underwriting syndicate and assist the City in all of its negotiations with the selected underwriters or bank purchasers including, but not limited to, the actual pricing of the debt.
- I. Review the City's outstanding debt as the market conditions dictate to identify refunding and other restructuring opportunities that would reduce the City's debt service or provide the City with more flexibility to meet its financial and programmatic goals.
- J. As requested by the City, assist the bond counsel in all reasonable ways.

- K. Assist the City to coordinate compliance with federal and state laws, regulations and guidelines related to a particular debt transaction.
- L. Review proposals submitted to the City by investment bankers, bank direct purchasers or other financial service providers, as the City may require.
- M. Proceed immediately upon the direction of the City with investigation, studies and planning for the purpose of expanding existing programs or developing new programs to further the policies and goals of the City, including with respect to economic development activities.
- N. Generally provide such other operational assistance, advice and consultation as may be appropriate and requested by the City.
- O. Upon request and pursuant to the Rates and Fees provided herein, CCM will be available to provide additional services including:
 - i. investment of bond proceeds
 - ii. post-issuance compliance services
 - iii. investment of City idle funds
- P. Upon request and subject to terms negotiated apart from this contract, CCM will be available to provide additional financial services to the City on an as needed basis, including but not limited to services related to:
 - i. preparation of bond official statements
 - ii. debt and investment policy formulation
 - iii. Federal agency relations activities
 - iv. investor relations activities, and
 - v. expert testimony.

4. Rates and Fees

Pursuant to Attachment A to this Agreement.

5. Expenses & Billing

Out-of-pocket expenses, including travel expenses, incurred by CCM and billed directly or indirectly to or for the benefit of the City, its clients, business partners, staff or representatives shall be reimbursed by the City upon receipt of proper documentation of such costs. The City shall also reimburse CCM for special support services, including but not limited to graphics and publication of reports, which the City has requested, from CCM. Other incidental expenses for such things as internal computer utilization, internal communications and the like shall be the expense of CCM.

Prior to receiving any compensation for services performed hereunder, regardless of the transaction, CCM shall submit a billing statement to the City indicating the amount and basis for the compensation.

6. No Subcontracting without Prior Consent

The parties acknowledge that CCM anticipates performing all work anticipated by this Agreement with its own staff and does not plan to engage any third-parties or subcontractors to assist in its efforts. In the event the use of a third-party or subcontractor were to become necessary, CCM agrees to seek the written consent of the City prior to engaging the third-party or subcontractor.

7. Financial Advisor as Independent Contractor

CCM and any agents or employees of CCM, in the performance of the Agreement, shall act in an independent capacity and not as officers, employees or agents of the City.

8. Qualification to Serve as a Municipal Advisor.

During the term of this agreement, CCM shall at all times maintain the registrations required to qualify as a “municipal advisor” pursuant to then-current Federal securities regulations. CCM engagement team members assigned to the City’s account shall at all times qualify as “municipal advisor representatives” pursuant to then-current Federal securities regulations.

CCM represents that, at the time of execution of this Agreement, it qualifies as a “municipal advisor” and that all CCM engagement team members actively working on the City’s account qualify as “municipal advisor representatives.”

9. Notice

Any required notice under the Agreement or contact by either party to the other deemed necessary to fulfilling its obligations under the Agreement will be in writing and shall be made so that the other party shall have not less than three (3) business days to respond or to act upon such notice.

Any notice to the City shall be made in writing and directed to the City Administrator. Any notice to CCM shall be made in writing and directed to the President in writing to: President, Columbia Capital Management, 6330 Lamar, Suite 200, Overland Park, KS 66202.

10. Representative’s Authority to Contract.

By signing this Agreement, the representatives for each party thereby represents that such person is duly authorized to execute this Agreement on behalf of that party and agree to be bound by the provisions thereof.

11. Entire Agreement.

This Agreement is the full and entire understanding and agreement of the parties with regard to the subjects discussed herein.

12. Applicable Law

The terms and conditions of this Agreement shall be construed under and in accordance with the laws of the State of Missouri. Any and all actions to enforce rights or duties under the Agreement shall be brought before the Circuit Court of Jackson County, Missouri. The United States District Court for the State of Missouri, sitting in Kansas City, Jackson County, Missouri, shall be the venue for any Federal action or proceeding arising hereunder in which the City may be a party.

13. Termination

This term of this agreement shall run through March 31, 2020, which date may be extended for up to two additional one-year periods at the discretion of the City. Either party may terminate this Agreement with sixty (60) days' written notice to the other party at any time without cause. City agrees to compensate CCM, consistent with the terms of this agreement, for any work performed up to and including the date of its termination of this agreement.

IN WITNESS WHEREOF, the City and CCM have caused the Agreement to be duly executed intending to be bound thereby and certify that they are authorized to sign the Agreement effective this 11th day of April, 2017.

THE CITY OF RAYTOWN, MISSOURI

{City Seal}

ATTEST:

By: _____
Tom Cole, City Administrator

By: _____
Teresa M. Henry, City Clerk

APPROVED AS TO FORM:

By: _____
Joe Willerth, City Attorney

COLUMBIA CAPITAL MANAGEMENT, LLC

By: _____
Jeff White
Principal

AGREEMENT

FINANCIAL ADVISORY SERVICES
FOR THE
CITY OF RAYTOWN, MISSOURI

This **AGREEMENT** (the “Agreement”), for financial advisory services is entered into between **CITY OF RAYTOWN, MISSOURI**, a Missouri municipal corporation organized pursuant to the laws of the State of Missouri, (the “City”) and **COLUMBIA CAPITAL MANAGEMENT, LLC**, a limited liability company organized under the laws of Missouri, (“CCM”) with respect to the provision of certain services pertaining to various City public finance transactions and related services, the City and CCM agree as follows:

WITNESSETH:

WHEREAS, the City has determined that the services of a financial advisor are appropriate, convenient and necessary in order to effectuate its purposes; and

WHEREAS, CCM is experienced and qualified to provide financial advisory services to the City as contemplated in this Agreement; and

NOW, THEREFORE, the parties hereto do mutually agree as follows:

1. Content of Agreement

The Agreement consists of this signed document, including any attachments, schedules, tables, or exhibits attached hereto and initialed by representatives of CCM and the City which are incorporated herein.

2. Amendment, Supplement or Modification

The Agreement constitutes the entire agreement between CCM and the City. The Agreement may be amended, supplemented or modified only in writing, executed by representatives of the City and CCM. Such amendments, supplements or modifications cannot alter the terms of the Agreement as executed unless expressly agreed to in writing by the City and CCM. If any provision herein is held to be invalid or unenforceable, the remainder of the Agreement shall remain in full force and effect.

3. Scope of Services

During the period that this Agreement is effective, CCM will provide the following services:

- A. As directed by the City, perform all the duties customarily performed by financial advisors in connection with the public and private offerings and sale of municipal securities.

- B. Advise the City on term, structure and marketing features of a transaction, including, but not limited to, type of sale (negotiated or competitive), maturity dates, couponing, call features, security provisions and covenants and costs of issuance in consideration of the policies and goals of the City.
- C. As requested by the City, and in cooperation and communication with the City, to prepare for all meetings and public presentations related to the issuance of debt, to include but not be limited to: rating agency presentations, insurer presentations, investor presentations, City Council presentations, internal staff presentations, and public presentations.
- D. Assist the City in soliciting bids for and procuring the services of credit enhancement agencies, banking services, internet disclosure and bidding services and any other related financial services essential to any alternative forms of financing which the City may elect to use.
- E. Advise the City on market conditions and other factors affecting the successful sale of the Bonds.
- F. As directed by the City, assist in the marketing of the Bonds or Notes among prospective bond underwriters and investors.
- G. In the case of a competitive bond sale, assist in the preparation (including reviewing and commenting on) and distribution to the prospective investors, financial institutions and bidders the Official Notice of Sale and assist in the preparation of the Preliminary and Final Official Statement containing comprehensive information with respect to any Notes or Bonds being offered by the City, and the legal documents and other information necessary for the sale of the debt. CCM will coordinate the public sale of such securities through an internet medium.
- H. As requested and directed by the City, in the case of a negotiated sale, represent the City and assist in the preparation of (including reviewing and commenting on) the preliminary and final Official Statements for any Notes or Bonds being offered by the City, the legal documents and other information necessary for the sale of the debt. Based upon the City's defined selection criteria CCM will recommend an underwriting syndicate and assist the City in all of its negotiations with the selected underwriters or bank purchasers including, but not limited to, the actual pricing of the debt.
- I. Review the City's outstanding debt as the market conditions dictate to identify refunding and other restructuring opportunities that would reduce the City's debt service or provide the City with more flexibility to meet its financial and programmatic goals.
- J. As requested by the City, assist the bond counsel in all reasonable ways.

- K. Assist the City to coordinate compliance with federal and state laws, regulations and guidelines related to a particular debt transaction.
- L. Review proposals submitted to the City by investment bankers, bank direct purchasers or other financial service providers, as the City may require.
- M. Proceed immediately upon the direction of the City with investigation, studies and planning for the purpose of expanding existing programs or developing new programs to further the policies and goals of the City, including with respect to economic development activities.
- N. Generally provide such other operational assistance, advice and consultation as may be appropriate and requested by the City.
- O. Upon request and pursuant to the Rates and Fees provided herein, CCM will be available to provide additional services including:
 - i. investment of bond proceeds
 - ii. post-issuance compliance services
 - iii. investment of City idle funds
- P. Upon request and subject to terms negotiated apart from this contract, CCM will be available to provide additional financial services to the City on an as needed basis, including but not limited to services related to:
 - i. preparation of bond official statements
 - ii. debt and investment policy formulation
 - iii. Federal agency relations activities
 - iv. investor relations activities, and
 - v. expert testimony.

4. Rates and Fees

Pursuant to Attachment A to this Agreement.

5. Expenses & Billing

Out-of-pocket expenses, including travel expenses, incurred by CCM and billed directly or indirectly to or for the benefit of the City, its clients, business partners, staff or representatives shall be reimbursed by the City upon receipt of proper documentation of such costs. The City shall also reimburse CCM for special support services, including but not limited to graphics and publication of reports, which the City has requested, from CCM. Other incidental expenses for such things as internal computer utilization, internal communications and the like shall be the expense of CCM.

Prior to receiving any compensation for services performed hereunder, regardless of the transaction, CCM shall submit a billing statement to the City indicating the amount and basis for the compensation.

6. No Subcontracting without Prior Consent

The parties acknowledge that CCM anticipates performing all work anticipated by this Agreement with its own staff and does not plan to engage any third-parties or subcontractors to assist in its efforts. In the event the use of a third-party or subcontractor were to become necessary, CCM agrees to seek the written consent of the City prior to engaging the third-party or subcontractor.

7. Financial Advisor as Independent Contractor

CCM and any agents or employees of CCM, in the performance of the Agreement, shall act in an independent capacity and not as officers, employees or agents of the City.

8. Qualification to Serve as a Municipal Advisor.

During the term of this agreement, CCM shall at all times maintain the registrations required to qualify as a “municipal advisor” pursuant to then-current Federal securities regulations. CCM engagement team members assigned to the City’s account shall at all times qualify as “municipal advisor representatives” pursuant to then-current Federal securities regulations.

CCM represents that, at the time of execution of this Agreement, it qualifies as a “municipal advisor” and that all CCM engagement team members actively working on the City’s account qualify as “municipal advisor representatives.”

9. Notice

Any required notice under the Agreement or contact by either party to the other deemed necessary to fulfilling its obligations under the Agreement will be in writing and shall be made so that the other party shall have not less than three (3) business days to respond or to act upon such notice.

Any notice to the City shall be made in writing and directed to the City Administrator. Any notice to CCM shall be made in writing and directed to the President in writing to: President, Columbia Capital Management, 6330 Lamar, Suite 200, Overland Park, KS 66202.

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THE CITY OF RAYTOWN, MISSOURI

{City Seal}

ATTEST: By: _____
Tom Cole, City Administrator

By: _____
Teresa M. Henry, City Clerk

APPROVED AS TO FORM:

By: _____
Joe Willerth, City Attorney

COLUMBIA CAPITAL MANAGEMENT, LLC

By:



Jeff White
Principal



Fee Proposal

Financial Advisory Services

March 29, 2017





6330 Lamar Ave.
Suite 200
Overland Park, KS 66202

March 29, 2017

Briana Burrichter
Director of Finance
City of Raytown
10000 E. 59th Street
Raytown, Missouri 64133

VIA ELECTRONIC MAIL

Dear Ms. Burrichter:

Please find enclosed Columbia Capital Management's response to the City of Raytown's request for a fee proposal for financial advisory services.

The enclosed proposal includes flat fee quotes for each of the City's previously discussed upcoming transactions, as well as a fee schedule for future transaction types. Also included are quotes for non-transaction related work billed hourly, and fee quotes related to other services we offer outside the scope of traditional financial advisory work.

Thank you again for your consideration, and please do not to hesitate to contact us if you have any questions about our proposal. We look forward to an opportunity to work with the City!

Respectfully submitted,
Columbia Capital Management, LLC

A handwritten signature in black ink, appearing to read 'Jeff White'.

Jeff White
Principal

A handwritten signature in black ink, appearing to read 'James Prichard'.

James Prichard
Vice President

A handwritten signature in black ink, appearing to read 'Khalen Dwyer'.

Khalen Dwyer
Vice President

cc: Tom Cole
City Administrator
City of Raytown





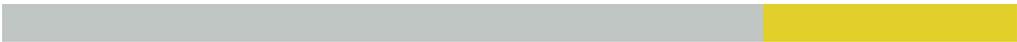
Columbia Capital Management, LLC
6330 Lamar Avenue, Suite 200
Overland Park, KS 66202
888.648.8500

Jeff White
Principal
jwhite@columbiacapital.com
(913) 312-8051

James Prichard
Vice President
jprichard@columbiacapital.com
(913) 312-8081

Khalen Dwyer
Vice President
kdwyer@columbiacapital.com
(913) 312-8068

Columbia Capital is a **municipal advisor**, registered with the US Securities and Exchange Commission and the Municipal Securities Rulemaking Board. Columbia Capital provides advice as a fiduciary to its clients.



Columbia Capital’s typical fee modality is a blend of transaction-based fees for bond and note sales and hourly fees for non-routine services outside of a transaction.

Upcoming Transactions

We propose the following flat fees to provide financial advisory services related to the City’s upcoming anticipated transactions. In each instance, our scope of work includes all typical transaction-related financial advisory services (e.g. developing a plan of finance, preparing financing analysis and quantitative analytics, reviewing bond documents, evaluating bids, administering transaction closing, etc.). In each instance, our fees are contingent upon the successful closing of the transaction.

Financial advisory services related to the refunding of the City’s Annual Appropriation-Supported Tax Increment and Sales Tax Revenue Bonds, Series 2007.	\$ 30,600
Financial advisory services related to the City’s issuance of annual appropriation-backed financing to fund approximately \$3 to \$4 million in capital improvements.	\$ 18,400

Future Transactions

For future transactions, Columbia proposes the following fee schedule. This schedule applies to both new money and refunding transactions, whether offered on a competitive or negotiated basis. All fees are subject to the successful completion of a financing.

Bond/Note Type	Base Transaction Fee	Plus Per Bond Fee	Maximum Fee
General Obligation	\$ 14,000	\$ 0.60 per \$1,000	\$ 35,000
Revenue Bonds	20,000	0.90 per \$1,000	60,000
Annual Appropriation Bonds	16,000	0.60 per \$1,000	45,000
Special Revenue/Economic Development Bonds (TIF/TDD/CID)	25,000	1.00 per \$1,000	85,000

For non-transaction related analysis or project work, we propose the following flat hourly rate. We generally **DO NOT** bill for work of a routine nature that is not significantly time consuming (e.g. generating an amortization schedule, participating in a rating agency surveillance call, etc.).

Hourly rate for non-transaction related analysis or project work (e.g. periodic refunding scans, economic modeling, general consulting work and other non-transaction related services).	\$ 200
Hourly rate for non-transaction related analysis or project work related to economic development projects (e.g. feasibility study review, but-for analysis, etc.)	\$ 295

Cost Reimbursement

In addition to any transaction or non-transaction related work, Columbia Capital will seek reimbursement for actual, documented out-of-pocket expenses (e.g. travel).

Additional Services

As a full-service advisor, Columbia Capital provides a number of additional services available to the City.

Investment Advisory Services. As a registered investment adviser, Columbia Capital provides comprehensive cash management services, which includes an investment policy review and periodic investment reporting.	0.15% of assets per annum	\$ 7,500 Minimum annual fee
Investment Brokerage Services. Columbia Capital also provides structured investment brokerage services (advance refunding escrows, one-time investment ladders, etc.). These services include all financial modeling, bid specification development, bid management, record keeping and reporting.	0.20% of face value of investment	\$ 2,500 Minimum fee (per account)
Continuing Disclosure Services (munivault®). We also offer a suite of post-issuance compliance services, munivault-. These services include continuing disclosure filings, annual compliance reviews, bond compliance officer training and storage of the bond file on a secure, cloud-based site.	\$2,100 One-time setup fee (per bond series)	\$ 600 Annual fee (per bond series)

STANDARD DISCLOSURES (GOVERNMENTAL ISSUER)

Date: March 30, 2017

Client: City of Raytown, Missouri

INTRODUCTION

The Municipal Securities Rulemaking Board (MSRB) has promulgated regulations impacting the way municipal advisors interact with their clients. In compliance with those regulations, Columbia Capital Management, LLC (Columbia Capital) offers the following disclosures (Standard Disclosures).

These Standard Disclosures are provided to you in accordance with MSRB Rule G-42(b). Please confirm receipt of these Standard Disclosures by email confirmation or other written confirmation method that we can retain for our records.

MUNICIPAL ADVISOR CERTIFICATION

Columbia Capital is a municipal advisor as defined by the Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010. As of the date listed above, Columbia Capital has fully complied with the municipal advisor registration requirements of both the US Securities and Exchange Commission (SEC) and the MSRB, both for the firm and for its employees engaged in municipal advisory activities.

CONFLICTS OF INTEREST

Our fiduciary duty to you requires us to disclose any actual or potential conflicts of interest, of which we are aware after reasonable inquiry, that could reasonably be anticipated to impair the our ability to provide advice to or on your behalf.

As of the date listed above, Columbia certifies that it has no known actual or perceived conflicts of interest related to our work for you.

AFFILIATES

Columbia Capital does not have any affiliate that provides any advice, service, or product to or on behalf of your governmental body that is directly related to the municipal advisory activities to be performed by Columbia Capital.

NO PAYMENTS BY COLUMBIA CAPITAL

Columbia Capital has not made any payments, directly or indirectly, to obtain or retain this engagement to perform municipal advisory activities for your governmental body.

NO PAYMENTS TO COLUMBIA CAPITAL

Columbia Capital has not received any payments from a third party to enlist a recommendation by Columbia Capital to your governmental body of its services, any municipal securities transaction or any municipal financial product.

NO FEE-SPLITTING ARRANGEMENTS

Columbia Capital has not entered into any fee-splitting arrangements involving with any provider of investments or services to your governmental body.

THIRD-PARTY PAYMENTS

Columbia's general practice is not to accept payments from third-parties related to our work for you. On occasion, it may be more convenient for you to require a third-party to pay us for our work for you. In any case where a third party will pay us in connection with our engagement with you, we will disclose all such payments to you in writing in advance.

CONSIDERATIONS RELATED TO FEES

The MSRB has determined that the method of calculation of the fees paid by issuers to municipal advisors can lead to incentives for the municipal advisor that differ from yours. Regardless of the method, however, the fees we charge may not be excessive given the scope of the engagement. The paragraphs below describe the different incentives our common fee methods may create.

In the event our fee is **contingent** upon the successful outcome of the engagement (typically, the successful closing of a financing transaction), our incentive is to both complete the transaction and to do so quickly. In certain circumstances completion of the transaction may not be in your best interest.

In the event our fee is **hourly**, our incentive is to both take longer to complete the engagement and to spend more time working on it. Delays in completion of an engagement or additional fees due to the amount of time expended may not be in your best interest.

In the event our fee is a **fixed** amount, our incentive is to complete the engagement more quickly and to limit our time investment in completing the engagement. Because the fixed fee is paid regardless of the outcome, fees may be paid without assurance of a successful outcome.

The mode and amount of our fee will be disclosed in the documentation of our engagement with you.



6330 Lamar Avenue
Suite 200
Overland Park, Kansas 66202

LEGAL OR DISCIPLINARY MEASURES

Neither Columbia Capital nor any representative of Columbia Capital has been subject to any legal or disciplinary event that is material to the your evaluation of Columbia Capital or the integrity of our management or advisory personnel.

QUESTIONS

Please direct any comments about these Standard Disclosures to:

Dennis Lloyd
President and Chief Compliance Officer
Columbia Capital Management, LLC
6330 Lamar, Suite 200
Overland Park, Kansas 66202
913-312-8050
dlloyd@columbiacapital.com

CITY OF RAYTOWN
Request for Board Action

Date: April 7, 2017

Resolution No.: R-2960-17

To: Mayor and Board of Aldermen

From: Debbie Duncan, Human Resource Manager

Department Head Approval: _____

Finance Director Approval: _____ (only if funding is requested)

City Administrator Approval: _____

Action Requested: Staff requests approval of resolution to amend the current health insurance premiums.

Analysis: The City has received the rate increases from Midwest Public Risk (MPR). Each year, the benefit structure and pricing is reviewed to assure the program remains competitive and pricing can support it. Additionally, MPR periodically requests bids to be sure member entities are receiving the best options for the price. The pharmacy benefit was put out to bid last year and all plans changed to the CIGNA pharmacy. At the same time, the contracts with CIGNA for the Open Access Plan 750 (OAP 750) and Choice Fund 1500 (high deductible) were extended for three years. The HMO was bid this year and, as a result, the Humana HMO was eliminated and replaced with a CIGNA PPO In-Network Only plan (INO) designed to be "HMO-like".

The City currently offers three types of coverage: Employee, Tier 2, and Family. Each plan type has three options: CIGNA INO, Cigna Open Access 750 and CIGNA Choice Fund 1500. The Choice Fund 1500, a high-deductible plan with associated Health Savings Account (HSA), was added four years ago and has increased in enrollment each year. This is the third year we have had a very favorable renewal. The average increase for each coverage type is 5.9%, with the HMO increasing 8%, OAP 750 increasing 5.7% and Choice Fund 1500 increasing 4%.

Attached are three proposals to fund health insurance from July 2017 to June 2018. The City currently pays 92.5% of the HMO plan that has been eliminated and replaced with the CIGNA INO. Any employee choosing this coverage who utilizes a more expensive option would pay the difference. The City currently pays approximately 70% of the HMO plan for both Tier 2 and Family coverage. Any employee choosing this coverage who utilizes a more expensive option would pay the difference. Staff explored retaining this structure and sharing the costs proportionately and determined it wasn't financially responsible due to the 8% increase in the HMO.

Option 1 is to retain the HMO (now the CIGNA INO) as the "base" plan, reduce City participation from 92.55% to 91.35%, freeze the City subsidy for Tier 2 and Family coverage at the 2016-2017 rates and equalize the City funding of HSAs. It also adds a tiered opt-out incentive based on whether the employee is opting out of Employee Only, Tier 2 or Family coverage. This option continues management's goal to gradually decrease City participation while remaining cognizant of the recent pension plan change requiring employee contributions. The City share would increase approximately \$1,216.00 for 24 payrolls for a total annual increase of \$29,180.00.

Option 2 is to retain the HMO (now the CIGNA INO) as the “base” plan, retain the current City participation of 92.55%, and freeze the City subsidy for Tier 2 and Family coverage at the 2016-2017 rates. The current HSA funding for Tier 2 and Family coverage would remain the same as in 2016-2017. HSA funding for Employee only coverage would increase to mirror the funding strategy of Tier 2 and Family coverage, where the HSA contribution is the difference between the monthly cost of the plan less the City subsidy. It also adds a tiered opt-out incentive based on whether the employee is opting out of Employee Only, Tier 2 or Family coverage. The City share would increase approximately \$1,436.00 for 24 payrolls for a total annual increase of \$34,467.00.

Option 3 is for the City to select the Choice Fund 1500 high deductible as the “base” plan and maintain the current subsidy, HSA funding and opt-out incentive structure. This option effectively reduces the City participation rate. The City share would decrease approximately \$1,046.21 for 24 payrolls for a total annual decrease of \$25,109.00

While all options are practical, it is staff’s recommendation the Board approve Option 1. In the past management has expressed the desire to slowly lower the City participation rate to the mid 80% range, and Option 1 incorporates that goal. Uniform HSA contributions ease administration, reduce City liability if employees separate service and lower premiums slightly, allowing employees to have the reduced premium or opt to self-fund their HSA. It maintains a competitive pricing structure while most equitably sharing the cost of the premium increase. The tiered opt-out incentive approach will be more appealing to employees with dependents who may have access to group coverage through a spouse, potentially reducing overall expense to the City.

Spreadsheets are attached showing the options in greater detail.

Alternatives: The City can choose any one of the three options presented or direct staff to calculate a different formula to meet the needs of the City.

Budgetary Impact:

None of the proposals would have a negative impact on the 2016-2017 budget but they will be subject to appropriation in the 2017-2018 Budget.

Additional Reports Attached: Analysis of rate structure options

A RESOLUTION ESTABLISHING THE RATES FOR MEDICAL AND DENTAL INSURANCE FOR THE INSURANCE PLAN YEAR FROM JULY 1, 2017 TO JUNE 30, 2018

WHEREAS, the City makes available to its employees medical, dental and vision insurance; and

WHEREAS, each year the Board of Aldermen determines the amount that the City will contribute per month to the cost of health and dental insurance; and

WHEREAS, premiums in excess of the amount paid by the City shall be paid for by the employee through payroll deduction.

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF RAYTOWN, MISSOURI, AS FOLLOWS:

THAT medical and dental premium costs will be paid by the City and by the employee for the Plan Year beginning July 1, 2017 and ending June 30, 2018, as shown on Exhibit "A", attached hereto and incorporated herein.

FURTHER THAT all resolutions or parts of resolutions in conflict with this resolution are hereby repealed.

FURTHER THAT this resolution shall be in full force and effect from and after the date of its passage and approval.

PASSED AND ADOPTED by the Board of Aldermen and **APPROVED** by the Mayor of the City of Raytown, Missouri, the 11th day of April, 2017.

Michael McDonough, Mayor

ATTEST:

Teresa M. Henry, City Clerk

Approved as to Form:

Joe Willerth, City Attorney

Freeze City Subsidy for Tier 2 and Family Coverage
 Equalize HSA Contribution
 Tiered Opt-Out Incentive

CITY OF RAYTOWN, MISSOURI
 Medical, Dental and Vision Premium
 Effective July 1, 2017

OPTION 1

	Effective July 1, 2017					Current Rates 2016					Increase over previous year				
	Monthly Rate	City Subsidy	Employee Premium	H S A	Paycheck Deduction	Monthly Rate	City Subsidy	Employee Premium	H S A	Paycheck Deduction	Monthly Increase	City Increase	Employee Increase	H S A	Paycheck Increase
Single Plans															
23 HDP	434.00	434.00	-	125.00	-	417.31	417.31	-	92.00	-	49.69	49.69	-		-
9 OAP-750	681.10	559.00	122.10		61.05	644.38	524.38	119.99		60.00	36.72	34.62	2.10		1.05
35 INO	611.92	559.00	52.92		26.46	566.60	524.38	42.21		21.11	45.32	34.62	10.70		5.35
Tier 2 Plans															
11 HDP	1,007.22	932.00	200.22	125.00	100.11	968.49	931.81	205.68	169.00	102.84	38.73	0.19	(5.46)		(2.73)
1 OAP-750	1,565.50	932.00	633.50		316.75	1,481.07	931.81	549.26		274.63	84.43	0.19	84.24		42.12
6 INO	1,446.36	932.00	514.36		257.18	1,339.23	931.81	407.42		203.71	107.13	0.19	106.94		53.47
Family Plans															
11 HDP	1,194.12	1,012.00	307.12	125.00	153.56	1,148.19	1,011.64	358.55	222.00	179.28	45.93	0.36	(51.43)		(25.72)
1 OAP-750	1,838.54	1,012.00	826.54		413.27	1,739.39	1,011.64	727.75		363.88	99.15	0.36	98.79		49.39
15 INO	1,618.82	1,012.00	606.82		303.41	1,498.90	1,011.64	487.26		243.63	119.92	0.36	119.56		59.78
Dental Plans															
58 Single	34.16	31.62	2.54		1.27	34.16	31.62	2.54		1.27					
68 Family	84.88	58.24	26.64		13.32	84.87	58.24	26.63		13.31					
Vision Plans															
60 Single	7.54	6.89	0.65		0.33	7.54	6.98	0.56		0.28					
25 Tier 2	15.08	10.98	4.10		2.05	15.08	11.02	4.06		2.03					
34 Family	21.54	14.21	7.33		3.66	21.54	14.26	7.28		3.64					
Opt Out Incentive															
30	279.50	279.50	-		-	262.19	262.19	-		-					
	466.00	466.00													
	506.00	506.00													
	Avg.	417.17													
	Total	City	Employee	City		Total	City	Employee	City		Total	City	Employee	City	
Costs	1,389,699	1,128,342	294,357	67,500	147,178	1,313,175	1,099,162	265,622	77,004	132,807	76,524	29,180	28,735	(9,504)	14,371

92.55% Current

142 91.35% Proposed

Freeze City Subsidy for Tier 2 and Family Coverage
 Maintain Current HSA Funding for Tier 2 and Family; Increase Single
 Tiered Opt-Out Incentive

CITY OF RAYTOWN, MISSOURI
 Medical, Dental and Vision Premium
 Effective July 1, 2017

OPTION 2

	Effective July 1, 2017					Current Rates 2016					Increase over previous year				
	Monthly Rate	City Subsidy	Employee Premium	H S A	Paycheck Deduction	Monthly Rate	City Subsidy	Employee Premium	H S A	Paycheck Deduction	Monthly Increase	City Increase	Employee Increase	H S A	Paycheck Increase
Single Plans															
23 HDP	434.00	434.00	-	133.00	-	417.31	417.31	-	92.00	-	16.69	57.69	-		-
9 OAP-750	681.10	566.33	114.77		57.38	644.38	524.38	119.99		60.00	36.72	41.95	(5.23)		(2.62)
35 INO	611.92	566.33	45.59		22.79	566.60	524.38	42.21		21.11	45.32	41.95	3.37		1.68
Tier 2 Plans															
11 HDP	1,007.22	932.00	244.22	169.00	122.11	968.49	931.81	205.68	169.00	102.84	38.73	0.19	38.54		19.27
1 OAP-750	1,565.50	932.00	633.50		316.75	1,481.07	931.81	549.26		274.63	84.43	0.19	84.24		42.12
6 INO	1,446.36	932.00	514.36		257.18	1,339.23	931.81	407.42		203.71	107.13	0.19	106.94		53.47
Family Plans															
11 HDP	1,194.12	1,012.00	382.12	200.00	191.06	1,148.19	1,011.64	358.55	222.00	179.28	45.93	0.36	45.57		22.78
1 OAP-750	1,838.54	1,012.00	826.54		413.27	1,739.39	1,011.64	727.75		363.88	99.15	0.36	98.79		49.39
15 INO	1,618.82	1,012.00	606.82		303.41	1,498.90	1,011.64	487.26		243.63	119.92	0.36	119.56		59.78
Dental Plans															
58 Single	34.16	31.62	2.54		1.27	34.16	31.62	2.54		1.27					
68 Family	84.88	58.24	26.64		13.32	84.87	58.24	26.63		13.31					
Vision Plans															
60 Single	7.54	6.98	0.56		0.28	7.54	6.98	0.56		0.28					
25 Tier 2	15.08	11.03	4.05		2.03	15.08	11.02	4.06		2.03					
34 Family	21.54	14.26	7.28		3.64	21.54	14.26	7.28		3.64					
Opt Out Incentive															
30	283.17	283.17	-		-	262.19	262.19	-		-					
		466.00													
		506.00													
	Total	City	Employee	City		Total	City	Employee	City		Total	City	Employee	City	
Costs	1,391,018	1,133,629	306,097	85,416	153,049	1,313,175	1,099,162	265,622	77,004	132,807	77,843	34,467	40,475	8,412	20,242

92.55% Current
 92.55% Proposed

	Effective July 1, 2017					Current Rates 2016					Increase over previous year				
	Monthly Rate	City Subsidy	Employee Premium	H S A	Paycheck Deduction	Monthly Rate	City Subsidy	Employee Premium	H S A	Paycheck Deduction	Monthly Increase	City Increase	Employee Increase	H S A	Paycheck Increase
Single Plans															
23 HDP	434.00	434.00	-	92.25	-	417.31	417.31	-	92.00	-	16.69	16.94	-	-	-
9 OAP-750	681.10	526.25	154.85		77.42	644.38	524.38	119.99		60.00	36.72	1.87	34.85		17.42
35 INO	611.92	526.25	85.67		42.83	566.60	524.38	42.21		21.11	45.32	1.87	43.45		21.72
Tier 2 Plans															
11 HDP	1,007.22	851.24	324.98	169.00	162.49	968.49	931.81	205.68	169.00	102.84	38.73	(80.57)	119.30		59.65
1 OAP-750	1,565.50	851.24	714.26		357.13	1,481.07	931.81	549.26		274.63	84.43	(80.57)	165.00		82.50
6 INO	1,446.36	851.24	595.12		297.56	1,339.23	931.81	407.42		203.71	107.13	(80.57)	187.70		93.85
Family Plans															
11 HDP	1,194.12	971.19	444.93	222.00	222.47	1,148.19	1,011.64	358.55	222.00	179.28	45.93	(40.45)	86.38		43.19
1 OAP-750	1,838.54	971.19	867.35		433.68	1,739.39	1,011.64	727.75		363.88	99.15	(40.45)	139.60		69.80
15 INO	1,618.82	971.19	647.63		323.82	1,498.90	1,011.64	487.26		243.63	119.92	(40.45)	160.37		80.19
Dental Plans															
58 Single	34.16	31.62	2.54		1.27	34.16	31.62	2.54		1.27					
68 Family	84.88	58.24	26.64		13.32	84.87	58.24	26.63		13.31					
Vision Plans															
60 Single	7.54	6.48	1.06		0.53	7.54	6.98	0.56		0.28					
25 Tier 2	15.08	10.78	4.30		2.15	15.08	11.02	4.06		2.03					
34 Family	21.54	14.01	7.53		3.76	21.54	14.26	7.28		3.64					
Opt Out Incentive															
30	263.13	263.13	-		-	262.19	262.19	-		-					
	Total	City	Employee	City		Total	City	Employee	City		Total	City	Employee	City	
Costs	1,383,804	1,074,053	361,363	77,073	180,682	1,313,175	1,099,162	265,622	77,004	132,807	70,629	(25,109)	95,741	69	47,875

92.55% Current
 86.00% Proposed

**CITY OF RAYTOWN
Request for Board Action**

Date: April 6, 2017
To: Mayor and Board of Aldermen
From: Captain Michelle Rogers

Resolution No.: R-2961-17

Department Head Approval: _____

Finance Director Approval: _____ (only if funding is requested)

City Administrator Approval: _____



Action Requested: Approve an amendment to the FY 2016-2017 budget per City purchasing policy.

Recommendation: Approve the resolution.

Analysis: Each year the City contributes to the frozen Police Pension Fund. The Police Pension contribution for FY16-FY17 was budgeted by Finance at last year's contribution of \$562,862.00. Finance Director Briana Burrichter reviewed the actuarial evaluation and found the annual contribution rate for the City has increased by \$45,272.00 for a total of \$608,134.00. The City is requesting a budget adjustment of \$45,272.00. The budget for the frozen Police Pension was funded 83% by the general fund and 17% Public Safety Sales Tax. The same split is requested for the budget adjustment.

Alternatives:

Budgetary Impact:

- Not Applicable
- Budgeted item with available funds
- Non-Budgeted item with available funds through prioritization
- Non-Budgeted item with additional funds requested

101.32.00.100.59000 – \$37,576

Funding Source- 101.00.00.100.39999 General Unrestricted Fund Balance

207.32.00.100.59000 - \$7,696

Funding Source- 207.00.00.100.39999 Public Safety Sales Tax Fund Balance

Additional Reports Attached: Actuarial Calculations from January 1, 2017 Valuation

A RESOLUTION AMENDING THE FISCAL YEAR 2016-2017 BUDGET RELATED TO THE POLICE PENSION FUND IN THE AMOUNT OF \$45,272.00 FOR A TOTAL AMOUNT NOT TO EXCEED \$608,134.00 FOR FISCAL YEAR 2016-2017

WHEREAS, each year the City contributes to the frozen Police Pension Fund; and

WHEREAS, a review of the actuarial evaluation found the annual contribution rate for the City had increased by \$45,272.00 for a total contribution amount of \$608,134.00 for fiscal year 2016-2017; and

WHEREAS, it is necessary to reappropriate funds related to the Police Pension Fund due to an increased annual contribution rate for the City; and

WHEREAS, the Board of Aldermen find it is in the best interest of the City to reappropriate the funds and amend the Fiscal Year 2016-2017 Budget;

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF RAYTOWN, MISSOURI, AS FOLLOWS:

THAT the Fiscal Year 2016-2017 budget approved by Resolution R-2909-16 is hereby amended as follows:

FROM:	TO:
101.00.00.100.39999 \$37,576.00 General Unrestricted Fund Balance	101.32.00.100.59000
207.00.00.100.39999 \$7,696.00 Public Safety Sales Tax Fund Balance	207.32.00.100.59000

FURTHER THAT the City Administrator is hereby authorized to execute all documents necessary to this transaction and the City Clerk is authorized to attest thereto.

PASSED AND ADOPTED by the Board of Aldermen and **APPROVED** by the Mayor of the City of Raytown, Missouri, the 11th day of April, 2017.

Michael McDonough, Mayor

ATTEST:

Approved as to Form:

Teresa M. Henry, City Clerk

Joe Willerth, City Attorney

Unfunded Actuarial Accrued Liability

	<u>January 1, 2016</u>	<u>January 1, 2017</u>
Actuarial Accrued Liability	\$17,236,595	\$17,763,413
Actuarial Value of Assets	<u>\$10,680,109</u>	<u>\$10,744,781</u>
Unfunded Actuarial Accrued liability	\$6,556,486	\$7,018,632
Funded Status of the Plan	62.0%	60.5%

Computed Contribution Rates

The normal cost can be viewed as the long-term ongoing cost of the Pension Fund.

Accrued liabilities exceeded accrued assets as of January 1, 2017. The excess is amortized at 7.5% interest over a closed 30 year period which began January 1, 2014. The amortization charge for 2017 is based on 27 years remaining in the closed period. This amortization charge is applied to the recommended contribution.

Contribution Recommendation for Fiscal Year Beginning January 1, 2017:

	<u>Dollar Amount</u>
Total Normal Cost	\$15,509
Amortization of Unfunded Liability	570,644
Interest to Middle of Fiscal Year	21,981
Total Computed Contribution	608,134
Expected Member portion	0
City's Net Computed Contribution Rate	\$608,134

**CITY OF RAYTOWN
Request for Board Action**

Date: April 6, 2017
To: Mayor and Board of Aldermen
From: Captain Michelle Rogers

Resolution No.: R-2962-17

Department Head Approval: _____

Finance Director Approval: _____ (only if funding is requested)

City Administrator Approval: _____



Action Requested: Approve an amendment to the fiscal year 2016-2017 Police Department budget per City purchasing policy.

Recommendation: Approve the resolution.

Analysis: The Raytown Police Department currently utilizes the Kansas City Missouri Police Department Crime Lab for all of our DNA Testing, trace evidence and Firearms Testing. We also utilize the Kansas City Missouri Police Crime Lab for processing complex crime scenes. The Police Department budgeted \$17,500.00 for KCPD Crime Lab Fees. We are anticipating spending more than what was budgeted. The prevalent use of DNA testing and testing of firearms has created much larger Kansas City Crime Lab Fees. The Department is testing all firearms and shell casings regardless of the crime or circumstances of recovery. The results of this testing is entered into NIBIN (National Integrated Ballistics Information Network), which adds to the database of all firearms used in crimes nationally. The Police Department is requesting to reallocate approximately \$12,000.00 from County Detention and approximately \$4,500.00 from Transcription Service to increase the lab fee budget to \$34,000.00. We are currently under budget and on track to be under budget for the entire year on the County Detention and Transcription Service line items.

Alternatives: In order to save money we will be able to utilize the Missouri State Highway Patrol Crime Lab on our inactive cases where DNA has been recovered. They offer no cost testing, however their turnaround time on DNA testing can be up to two years. We will still utilize the Kansas City Missouri Police Crime Lab on active cases because they have a higher turnaround time.

Not test all of our firearms and risk not solving a cold case homicide, robbery or aggravated assault. The Missouri State Highway Patrol does not enter information into NIBIN, so the Kansas City Missouri Police Crime Lab is our only source for NIBIN entries.

Budgetary Impact:

- Not Applicable
- Budgeted item with available funds
- Non-Budgeted item with available funds through prioritization
- Non-Budgeted item with additional funds requested

Total Amount to be reallocated - \$16,500.00
Fund – Professional Services - 101.32.00.100.52250

Kansas City Missouri Police Department Crime Lab Justification

The Kansas City Missouri Regional Crime Laboratory currently services all of Kansas City, Missouri, as well as many surrounding communities in Missouri. It is a full service lab offering forensic analysis and expert testimony in chemistry, crime scene processing, DNA analysis, digital evidence, firearms, fingerprint ID, latent prints and trace analysis. The Kansas City Crime lab as an elite team of crime scene technicians, capable of responding to and processing major crime scenes, such as homicides, on a 24 hour, 7 days a week basis. The Kansas City, Missouri Regional Crime Laboratory is the only provider capable of providing this level of service within the Kansas City Metropolitan Area.

A RESOLUTION AMENDING THE FISCAL YEAR 2016-2017 BUDGET RELATED TO THE EXPENDITURE OF FUNDS WITH THE KANSAS CITY MISSOURI POLICE DEPARTMENT CRIME LAB

WHEREAS, pursuant to Resolution R-2909-16, the Fiscal Year 2016-2017 Budget was approved; and

WHEREAS, it is necessary to reappropriate funds related to the expenditures anticipated with the Kansas City Missouri Police Department Crime Lab and amend the Fiscal Year 2016-2017 Budget approved by Resolution R-2909-16; and

WHEREAS, the Board of Aldermen find it is in the best interest of the City to reappropriate the funds and amend the Fiscal Year 2016-2017 Budget;

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF RAYTOWN, MISSOURI, AS FOLLOWS:

THAT the Fiscal Year 2016-2017 budget approved by Resolution R-2909-16 is hereby amended as follows:

FROM:	TO:
\$16,500.00	\$16,500.00
Professional Services (Detention & Transcription)	Professional Services (KCPD Crime Lab)
101.32.00.100.52250	101.32.00.100.52250

FURTHER THAT the City Administrator is hereby authorized to execute all documents necessary to this transaction and the City Clerk is authorized to attest thereto.

PASSED AND ADOPTED by the Board of Aldermen and **APPROVED** by the Mayor of the City of Raytown, Missouri, the 11th day of April, 2017.

Michael McDonough, Mayor

ATTEST:

Approved as to Form:

Teresa M. Henry, City Clerk

Joe Willerth, City Attorney

**CITY OF RAYTOWN
Request for Board Action**

Date: April 6, 2017
To: Mayor and Board of Aldermen
From: Captain Michelle Rogers

Resolution No.: R-2963-17

Department Head Approval: _____

Finance Director Approval: _____ (only if funding is requested)

City Administrator Approval: _____



Action Requested: A resolution approving the purchase in excess of \$15,000.00 from Kansas City Board of Police Commissioners.

Recommendation: Approve the resolution.

Analysis: The Raytown Police Department is down 5 Police Officers. We currently utilize the Kansas City Missouri Police Department Regional Academy for our basic recruit training. They offer high quality physical and academic training. The cost for training one officer is \$5,327.00. We currently have one recruit in the Academy and one starting in May. \$30,000.00 has been budgeted for Academy Training.

The Raytown Police Department also utilizes the Kansas City Missouri Police Department for Basic Crime Scene School. We budgeted for 3 Detectives to attend the training for a total cost of \$3,000.00

The Raytown Police Department Firearms Unit currently uses the Kansas City Missouri Police Academy Simunition training house for force on force training. There Simunition house is used for close quarter combat, set up like a residence, with floor plans that are multi-changeable and catwalks for overhead viewing. We budgeted \$750.00 for the use of the Simunition house.

The Raytown Police Department currently utilizes the Kansas City Missouri Police Department for DNA testing, trace evidence, firearms testing and processing complex crime scenes. \$34,000.00 has been budgeted for this expense.

Alternatives: Not use the Kansas City Police Academy and rely on hiring qualified candidates who are already Missouri Post Certified.

Not use the Simunition training house and lose a valuable training resource that prepares our officers for real world encounters both mentally and physically.

Not send new Detectives to Crime Scene School and risk the ramifications of failure to properly process a crime scene.

Not use the Kansas City Police Crime Lab and risk not solving a firearms related crime or solving a major crime in a timely manner.

Budgetary Impact:

- Not Applicable
- Budgeted item with available funds
- Non-Budgeted item with available funds through prioritization
- Non-Budgeted item with additional funds requested

Total Amount Requested for Academy Training - \$30,000.00

Fund – Professional Development – PSST – 207-32-00-100-55500

Total Amount Requested for Basic Crime Scene School - \$3,000.00

Fund – Professional Development – 101-32-00-100-55500

Total Amount Requested for Simunition training - \$750.00

Fund – Professional Service – 101-32-00-100-52250

Total Amount Requested for KCPD Lab Fees - \$34,000.00

Fund – Professional Services – 101-32-00-100-52250

Additional Reports Attached: Justification for utilizing the KCPD Police Academy and crime lab.

Kansas City Missouri Police Department Police Academy Justification

There are currently two Missouri Post Certified Training Academies in the Kansas City Metropolitan Area, Kansas City Missouri Police Department Police Academy and Blue River Community College Police Academy. The cost for the KCPD Police Academy is \$5,327.00 per recruit and the cost for Blue River Police Academy is \$5200.00 per recruit. Blue River Police Academy only offers academy start dates in January and August. Kansas City Police Academy offers start dates throughout the year so we don't have to wait long to get a recruit into an academy. In addition to the flexible start times, Kansas City Police Academy is a six month training program and Blue River Police Academy is only a four month training program. In the additional two months training that KCPD Police provides our recruits, they receive additional situational, academic and physical training to better prepare them for their career as a Police Officer. The Kansas City Missouri Police Academy is a state of the art training facility. For these reasons we want to continue utilizing the Kansas City Missouri Police Academy as our first choice for police academy training.

A RESOLUTION AUTHORIZING AND APPROVING THE EXPENDITURE OF FUNDS WITH KANSAS CITY BOARD OF POLICE COMMISSIONERS IN AN AMOUNT NOT TO EXCEED \$67,750.00 FOR FISCAL YEAR 2016-2017

WHEREAS, the City of Raytown Police Department has a need to utilize the services offered by the Kansas City Board of Police Commissioners; and

WHEREAS, the Board of Aldermen find it is in the best interest of the City to authorize and approve the expenditure of funds with Kansas City Board of Police Commissioners in an amount not to exceed \$67,750.00 for fiscal year 2016-2017;

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF RAYTOWN, MISSOURI, AS FOLLOWS:

THAT the expenditure of funds with Kansas City Board of Police Commissioners in an amount not to exceed \$67,750.00 is hereby authorized and approved;

FURTHER THAT the City Administrator and/or his designee is hereby authorized to execute all documents necessary and to take any and all actions necessary to effectuate the terms of the contract and the City Clerk is authorized to attest to the same.

PASSED AND ADOPTED by the Board of Aldermen and **APPROVED** by the Mayor of the City of Raytown, Missouri, the 11th day of April, 2017.

Michael McDonough, Mayor

ATTEST:

Teresa M. Henry, City Clerk

Approved as to Form:

Joe Willerth, City Attorney

A RESOLUTION AUTHORIZING AND APPROVING THE PURCHASE OF MOBILE AND PORTABLE RADIOS AND EQUIPMENT FROM MOTOROLA SOLUTIONS, INCORPORATED OFF THE JOHNSON COUNTY, KANSAS RADIO AND ACCESSORIES CONTRACT IN AN AMOUNT NOT TO EXCEED \$84,185.00

WHEREAS, the City of Raytown in the adoption of its purchasing policy has approved the practice of purchasing parts and supplies from competitive bids awarded by other governmental entities through a competitive bidding process;

WHEREAS Johnson County, Kansas has competitively bid (Contract Number 07-13201/DL) the purchase of mobile and portable radios and equipment and has determined Motorola Solutions, Incorporated to be the most competitive bid; and

WHEREAS, the City of Raytown in adoption of its purchasing policy has required Board of Aldermen approval for purchases in which the cumulative value with a single vendor exceeds \$15,000.00 during the fiscal year; and

WHEREAS, funds for such purpose are budgeted from the Capital Improvement Sales Tax and such expenditure has been reviewed and on January 31, 2017, was recommended by the Special Sales Tax Review Committee as being consistent with voter intent; and

WHEREAS, the Board of Aldermen find it is in the best interested of the City to authorize and approve the purchase of mobile and portable radios and equipment from Motorola Solutions, Incorporated off the Johnson County, Kansas Radio and Accessories Contract (07-13201/DL) in an amount not to exceed \$84,185.00;

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF RAYTOWN, MISSOURI, AS FOLLOWS:

THAT the purchase of mobile and portable radios and equipment from Motorola Solutions, Incorporated off the Johnson County, Kansas Radio and Accessories Contract (07-13201/DL) in an amount not to exceed \$84,185.00 hereby authorized and approved; and

FURTHER THAT the City Administrator and/or his designee are authorized to execute all agreements or documents necessary to approve the purchase of goods and services contemplated herein and the City Clerk is authorized to attest thereto.

PASSED AND ADOPTED by the Board of Aldermen and **APPROVED** by the Mayor of the City of Raytown, Missouri, the 11th day of April, 2017.

Michael McDonough, Mayor

ATTEST:

Approved as to Form:

Teresa M. Henry, City Clerk

Joe Willerth, City Attorney



APX4000 PORTABLE RADIOS (POLICE DEPARTMENT)

Agency: Raytown Police Department
 ATTN: James Brafford
 Date: March 29, 2017

Contract Name:	Radio Disc Disc	Accy Disc w/Radio	Accy Disc w/o Radio
Johnson County, KS	27%	27.00%	19.00%

MODEL NUMBER	APX 4000 7/800 MHZ MODEL 2 PORTABLE	DNUP	DISC	JO KS CONTRACT PRICE	EXTENDED JO KS CONTRACT PRICE
1	H51UCF9PW6 N APX 4000 7/800 MHZ MODEL 2 PORTABLE	\$ 1,906.00	27%	\$1,391.38	\$1,391.38
1	QA04865 ADD: TWO KNOB CONFIGURATION	\$ -	27%	\$0.00	\$0.00
1	QA02756 ENH: 3600 OR 9600 TRUNKING BAUD SIN	\$ 1,570.00	27%	\$1,146.10	\$1,146.10
1	INCLUDED INTERNAL GPS ACTIVATION	NC	27%	NC	NC
1	INCLUDED MISSION CRITICAL BLUETOOTH	NC	27%	NC	NC
1	INCLUDED IV&D PACKET DATA	NC	27%	NC	NC
1	H869 ENH: MULTIKEY	\$ 330.00	27%	\$240.90	\$240.90
1	Q629 ENH: AES	\$ 475.00	27%	\$346.75	\$346.75
1	H885BK ADD: 3 YEAR SERVICE FROM THE START LITE	\$84.00	0%	\$84.00	\$84.00
1	QA01833 EXTREME NOISE CANCELLING OPTION	\$ 25.00	27%	\$18.25	\$18.25
SUB TOTAL (JO CO STD PACKAGE)				\$3,227.38	\$ 3,227.38
ADD - MARRS ENCRYPTION PROMO (VALID THROUGH 12/9/17)					
1	G996 ADD: PROGRAMMING OVER P25 (OTAP)	\$100.00	27%	NC	NC
1	Q15 ADD: AES/DES-XL-DES-OFB ENCRYPTION	\$799.00	27%	NC	NC
1	Q498 ENH: ASTRO 25 OTAR W/MULTI-KEY	\$740.00	27%	NC	NC
SUB TOTAL W/ENCRYPTION PACKAGE				\$3,227.38	\$ 3,227.38
ACCESSORIES (PRICES VALID AT TIME OF RADIO PURCHASE ONLY):					
1	WPLN4232A CHARGER, SINGLE-UNIT, IMPRES, 1.25A, 115VAC, US/NA	\$69.25	27%	\$50.55	\$50.55
1	PMMN4099A REMOTE SPEAKER MICROPHONE, IMPRES, WINDPORTING WITH VOLUME TOGGLE SWITCH ORANGE BUTTON AND 3.5MM JACK	\$132.00	27%	\$96.36	\$96.36
NET TOTAL W/ENCRYPTION PACKAGE & ACCESSORIES				\$3,374.29	\$ 3,374.29



APX4500 CONTROL STATION RADIOS (POLICE DEPARTMENT)

Agency: Raytown Police Department
 ATTN: James Brafford
 Date: March 29, 2017

<u>Contract Name:</u>	<u>Radio Disc Disc</u>	<u>Accy Disc w/Radio</u>	<u>Accy Disc w/o Radio</u>
Johnson County, KS	27%	27.00%	19.00%

APX4500 7/800 MHZ MID POWER MOBILE - DASH MOUNT (CONTROL STATION CONFIGURATION WITH STANDARD MOBILE MICROPHONE; NO POWER SUPPLY) DOES NOT INCLUDE OUTSIDE ANTENNA & COAX (INSTALL NOT INCLUDED)					JO KS CONTRACT PRICE	EXTENDED JO KS CONTRACT PRICE
MODEL NUMBER	INCLUDED	DNUP	DISC			
1	M22URS9PW1 N APX4500 7/800	\$1,504.00	27%	\$1,097.92	\$1,097.92	\$1,097.92
1	QA02756 ADD: 3600 OR 9600 TRUNKING BAUD SINGLE SYSTEM	\$ 1,570.00	27%	\$1,146.10	\$1,146.10	\$1,146.10
1	GA00804 ADD: APX O2 CONTROL HEAD (Grey)	\$492.00	27%	\$359.16	\$359.16	\$359.16
1	G444 ADD: APX CONTROL HEAD SOFTWARE	\$ -	27%	\$0.00	\$0.00	\$0.00
1	G66 ADD: DASH MOUNT	\$125.00	27%	\$91.25	\$91.25	\$91.25
1	G89 ADD: NO RF ANTENNA NEEDED	\$0.00	27%	\$0.00	\$0.00	\$0.00
1	W22 ADD: MOBILE MICROPHONE	\$72.00	27%	\$52.56	\$52.56	\$52.56
1	G142 ADD: NO SPEAKER NEEDED	\$0.00	27%	\$0.00	\$0.00	\$0.00
1	W665 ADD: CONTROL STATION OPERATION	\$70.00	27%	\$51.10	\$51.10	\$51.10
1	G24 ADD: 3 YEAR SERVICE FROM THE START LITE	\$121.00	0%	\$121.00	\$121.00	\$121.00
1	W969 ADD: MULTIPLE KEY ENCRYPTION OPERATION	\$330.00	27%	\$240.90	\$240.90	\$240.90
1	G843 ADD: AES	\$475.00	27%	\$346.75	\$346.75	\$346.75
1	INCLUDED INTERNAL GPS ACTIVATION	NC	0%	NC	NC	NC
1	INCLUDED IV&D PACKET DATA	NC	27%	NC	NC	NC
SUB TOTAL (JO CO STD PACKAGE) "CONTROL STATION"		\$4,759.00		\$3,506.74	\$3,506.74	\$3,506.74
1	G996 ADD: PROGRAMMING OVER P25 (OTAP)	\$100.00	27%	NC	NC	NC
1	G851 ADD: AES/DES-XL-DES-OFB ENCRYPTION	\$799.00	27%	NC	NC	NC
1	G298 ENH: ASTRO 25 OTAR W/MULTI-KEY	\$740.00	27%	NC	NC	NC
SUB TOTAL W/ENCRYPTION PACKAGE		\$6,398.00		\$3,506.74	\$3,506.74	\$3,506.74



APX4500 CONTROL STATION RADIOS (POLICE DEPARTMENT)

Agency: Raytown Police Department
 ATTN: James Brafford
 Date: March 29, 2017

	Radio Disc	Accy Disc	Accy Disc
<u>Contract Name:</u>	<u>Disc</u>	<u>w/Radio</u>	<u>w/o Radio</u>
Johnson County, KS	27%	27.00%	19.00%

APX4500 7/800 MHZ MID POWER MOBILE - DASH MOUNT (CONTROL STATION CONFIGURATION WITH STANDARD MOBILE MICROPHONE; NO POWER SUPPLY) DOES NOT INCLUDE OUTSIDE ANTENNA & COAX (INSTALL NOT INCLUDED)				JO KS CONTRACT PRICE	EXTENDED JO KS CONTRACT PRICE
MODEL NUMBER	DESCRIPTION	DNUP	DISC		
1	M22URS9PW1 N APX4500 7/800	\$1,504.00	27%	\$1,097.92	\$1,097.92
1	QA02756 ADD: 3600 OR 9600 TRUNKING BAUD SINGLE SYSTEM	\$ 1,570.00	27%	\$1,146.10	\$1,146.10
1	GA00804 ADD: APX O2 CONTROL HEAD (Grey)	\$492.00	27%	\$359.16	\$359.16
1	G444 ADD: APX CONTROL HEAD SOFTWARE	\$ -	27%	\$0.00	\$0.00
1	G66 ADD: DASH MOUNT	\$125.00	27%	\$91.25	\$91.25
1	G89 ADD: NO RF ANTENNA NEEDED	\$0.00	27%	\$0.00	\$0.00
0	W22 ADD: MOBILE MICROPHONE	\$72.00	27%	\$52.56	\$0.00
1	G142 ADD: NO SPEAKER NEEDED	\$0.00	27%	\$0.00	\$0.00
1	W665 ADD: CONTROL STATION OPERATION	\$70.00	27%	\$51.10	\$51.10
1	G24 ADD: 3 YEAR SERVICE FROM THE START LITE	\$121.00	0%	\$121.00	\$121.00
1	W969 ADD: MULTIPLE KEY ENCRYPTION OPERATION	\$330.00	27%	\$240.90	\$240.90
1	G843 ADD: AES	\$475.00	27%	\$346.75	\$346.75
1	INCLUDED INTERNAL GPS ACTIVATION	NC	0%	NC	NC
1	INCLUDED IV&D PACKET DATA	NC	27%	NC	NC
SUB TOTAL (JO CO STD PACKAGE) "CONTROL STATION"		\$4,759.00		\$3,506.74	\$3,454.18
1	G996 ADD: PROGRAMMING OVER P25 (OTAP)	\$100.00	27%	NC	NC
1	G851 ADD: AES/DES-XL-DES-OFB ENCRYPTION	\$799.00	27%	NC	NC
1	G298 ENH: ASTRO 25 OTAR W/MULTI-KEY	\$740.00	27%	NC	NC
SUB TOTAL W/ENCRYPTION PACKAGE		\$6,398.00		\$3,506.74	\$3,454.18

OPTIONS (NOT INCLUDED ABOVE) PRICING VALID AT TIME OF RADIO PURCHASE ONLY						
1	RMN5070	CONTROL STATION DESK GCAI MIC	\$172.00	27%	\$125.56	\$125.56
1	RLN6552B	WIRELESS MOBILE MICROPHONE WITH "GATEWAY" MICROPHONE	\$392.00	27%	\$286.16	\$286.16
1	PMLN7120A	DESK TOP CHARGER (FOR WIRELESS MICROPHONE)	\$65.00	27%	\$47.45	\$47.45
1	PMNN4461A	SPARE BATTERY FOR WIRELESS MICROPHONE	\$65.00	27%	\$47.45	\$47.45



APX4500 DASH MOUNT RADIOS (POLICE DEPARTMENT)

Agency: Raytown Police Department
 ATTN: James Brafford
 Date: March 29, 2017

	Radio Disc	Accy Disc	Accy Disc
<u>Contract Name:</u>	<u>Disc</u>	<u>w/Radio</u>	<u>w/o Radio</u>
Johnson County, KS	27%	27.00%	19.00%

MODEL NUMBER	APX4500 7/800 MHZ MID POWER MOBILE - DASH MOUNT RADIO	DNUP	DISC	JO KS CONTRACT PRICE	EXTENDED JO KS CONTRACT PRICE
3	M22URS9PW1 N APX4500 7/800	\$1,504.00	27%	\$1,097.92	\$3,293.76
3	QA02756 ADD: 3600 OR 9600 TRUNKING BAUD SINGLE SYSTEM	\$ 1,570.00	27%	\$1,146.10	\$3,438.30
3	GA00804 ADD: APX O2 CONTROL HEAD (Grey)	\$492.00	27%	\$359.16	\$1,077.48
3	G444 ADD: APX CONTROL HEAD SOFTWARE	\$ -	27%	\$0.00	\$0.00
3	G66 ADD: DASH MOUNT	\$125.00	27%	\$91.25	\$273.75
3	G89 ADD: NO RF ANTENNA	\$0.00	27%	\$0.00	\$0.00
3	W22 ADD: PALM MICROPHONE	\$72.00	27%	\$52.56	\$157.68
3	G142 ADD: NO SPEAKER NEEDED	\$0.00	27%	\$0.00	\$0.00
3	G24 ADD: 3 YEAR SERVICE FROM THE START LITE	\$121.00	0%	\$121.00	\$363.00
3	W969 ADD: MULTIPLE KEY ENCRYPTION OPERATION	\$330.00	27%	\$240.90	\$722.70
3	G843 ADD: AES	\$475.00	27%	\$346.75	\$1,040.25
3	INCLUDED INTERNAL GPS ACTIVATION	NC	0%	NC	NC
3	INCLUDED IV&D PACKET DATA	NC	27%	NC	NC
SUB TOTAL (JO CO STD PACKAGE) "MOBILE RADIO"		\$4,689.00		\$3,455.64	\$10,366.92
3	G996 ADD: PROGRAMMING OVER P25 (OTAP)	\$100.00	27%	NC	NC
3	G851 ADD: AES/DES-XL-DES-OFB ENCRYPTION	\$799.00	27%	NC	NC
3	G298 ENH: ASTRO 25 OTAR W/MULTI-KEY	\$740.00	27%	NC	NC
SUB TOTAL W/ENCRYPTION PACKAGE		\$6,328.00		\$3,455.64	\$10,366.92



APX6500 MOBILE RADIO WITH '03' CONTROL HEAD (POLICE DEPARTMENT)

Agency: Raytown Police Department
 ATTN: James Brafford
 Date: March 29, 2017

	Radio Disc	Accy Disc	Accy Disc
<u>Contract Name:</u>	<u>Disc</u>	<u>w/Radio</u>	<u>w/o Radio</u>
Johnson County, KS	27%	27.00%	19.00%

APX6500 7/800 MHZ MID POWER MOBILE - REMOTE MOUNT WITH '03'					JO KS	EXTENDED JO
MODEL NUMBER	CONTROL HEAD	DNUP	DISC	PRICE	CONTRACT	KS CONTRACT
1	M25URS9PW1N	APX6500 7/800 MHZ MID POWER MOBILE	\$2,344.00	27%	\$1,711.12	\$1,711.12
1	G806	ADD: ASTRO DIGITAL CAI OPERATION	\$515.00	27%	\$375.95	\$375.95
1	G51	ENH: SMARTZONE OPERATION APX6500	\$1,500.00	27%	\$1,095.00	\$1,095.00
1	G361	ADD: P25 TRUNKING SOFTWARE	\$300.00	27%	\$219.00	\$219.00
1	G72	ADD: 03 CONTROL HEAD	\$946.00	27%	\$690.58	\$690.58
1	G444	ADD: APX CONTROL HEAD SOFTWARE	\$ -	27%	\$0.00	\$0.00
1	G67	ADD: REMOTE MOUNT	\$297.00	27%	\$216.81	\$216.81
1	G89	ADD: NO RF ANTENNA	\$0.00	27%	\$0.00	\$0.00
1	G90	ADD: NO MICROPHONE NEEDED	\$0.00	27%	\$0.00	\$0.00
1	B18	ADD: AUXILIARY SPKR 7.5 WATT	\$60.00	27%	\$43.80	\$43.80
1	G24	ADD: 3 YEAR SERVICE FROM THE START LITE	\$121.00	0%	\$121.00	\$121.00
1	W969	ADD: MULTIPLE KEY ENCRYPTION OPERATION	\$330.00	27%	\$240.90	\$240.90
1	G843	ADD: AES	\$475.00	27%	\$346.75	\$346.75
1	INCLUDED	INTERNAL GPS ACTIVATION	NC	0%	NC	NC
1	INCLUDED	IV&D PACKET DATA	NC	27%	NC	NC
SUB TOTAL (JO CO STD PACKAGE) "MOBILE W/03 HEAD"			\$6,888.00		\$5,060.91	\$5,060.91
1	G996	ADD: PROGRAMMING OVER P25 (OTAP)	\$100.00	27%	NC	NC
1	G851	ADD: AES/DES-XL-DES-OFB ENCRYPTION	\$799.00	27%	NC	NC
1	G298	ENH: ASTRO 25 OTAR W/MULTI-KEY	\$740.00	27%	NC	NC
SUB TOTAL W/ENCRYPTION PACKAGE			\$8,527.00		\$5,060.91	\$5,060.91



MISSION READY WHEN IT MATTERS MOST

APX™ 4000 PROJECT 25 PORTABLE RADIO

Chemical spill. Catastrophic storm. Power outage. When every minute matters, you must communicate instantly with other agencies and responders. But how do you prepare for a disaster and keep control of operating costs? That's where the APX™ 4000 P25 portable radio answers the call, expertly and affordably.

The APX 4000 delivers all the benefits of TDMA technology in the smallest P25 capable portable in the industry. Easy to use, tough as nails, a hard value to beat, it seamlessly connects public safety agencies and public works for fast, interoperable communications.

EVERY INCH AN APX

The APX 4000 leverages the leading attributes of the APX family of P25 TDMA portables. From the 2-microphone design that reduces background noise so you can speak and hear clearly over heavy equipment, diesel engines and sirens to the high-spec RF performance for excellent coverage in challenging environments.

With its easy-to-use interface, color display, intelligent lighting and radio profiles, you get all the power of APX in a compact radio. Plus, you can extend the performance of your radio with a complete portfolio of industry-leading IMPRES smart energy and audio accessories.

COMPACT AND UNCOMPROMISING

The smallest P25 Phase 2 capable portable, the APX 4000 gets the job done without getting in the way. Simplified controls and a choice of either dedicated volume and channel knobs, or an enlarged multifunction knob, the APX 4000 provides readiness for any type of work setting. And its standard IP67 and MIL-STD certified to withstand dust, heat, shock, drops and water immersion, so you can count on it wherever you need it – at the factory line, power line or fire line.

P25 PERFORMANCE, INSIDE AND OUT

Loaded with key P25 features to increase safety, the APX 4000 features Mission Critical Wireless, a unique Bluetooth® solution that provides an encrypted link to a high performance earpiece, GPS for quickly locating personnel outdoors, AES encryption for improved security, and over-the-air programming to program radios in the field without interrupting voice operation.

IMPROVE RESPONSE AND EXPENSES

The APX 4000 is P25 Phase 2 capable for twice the voice capacity so you can add more users without adding more frequencies or infrastructure. And it's backwards and forwards compatible with all Motorola mission critical radio systems, so you can interoperate with confidence while you improve operating expenses.

POWER UP WITH APX 4000 ACCESSORIES

- Designed, tested and certified for optimum performance with your radio
- Complete portfolio of remote speaker microphones, headsets and Mission Critical Wireless Bluetooth® accessories
- High-powered IMPRES™ batteries that have a slim design to fit the compact radio size

PRODUCT SPEC SHEET
APX™ 4000



FEATURES AND BENEFITS

- Available in 700/800 MHz, VHF, UHF R1, UHF R2 and 900 MHz bands
- Trunking standards supported:
 - Clear or digital encrypted ASTRO®25 Trunked Operation
 - Capable of SmartZone®, SmartZone Omnilink, SmartNet®
- Analog MDC-1200 and Digital APCO P25 Conventional System Configurations
- Narrow and wide bandwidth digital receiver (6.25 kHz equivalent / 12.5 kHz / 30 kHz / 25 kHz)¹
- Standard with 2 dedicated control knobs for volume and channel changes
- Embedded digital signaling (ASTRO & ASTRO 25)
- Man Down
- Available in 2 models
- Integrated GPS capable
- Lightbar with Intelligent Lighting
- Radio Profiles
- Unified Call List
- User programmable Voice Announcement
- Meets Applicable MIL-STD-810C, D, E, F and G
- IP67 standard (submersible 1 meter, 30 minutes)²

Superior Audio Features:

- 0.5 W high audio speaker
- 2-mic noise canceling technology

Utilizes Windows XP, Vista and Windows 7 Customer Programming Software (CPS)

- Supports USB communications
- Built in FLASHport™ support

Full portfolio of accessories including IMPRES batteries, chargers and audio devices³

OPTIONAL FEATURES

- Mission Critical Wireless⁴
- AES Encryption
- Programming Over Project 25
- Text Messaging
- GPS Location Tracking
- Man Down
- Site Selectable Alert Tones
- P25 Over the Air re-keying
- P25 Link Layer Authentication
- Enhanced Data
- Multifunction Knob
- Rugged Submersible housing (2 meters for 2 hours)⁷

¹ Per the FCC Narrowbanding rules, new products (APX4000 VHF, UHF R1, UHF R2) submitted for FCC certification after January 1, 2011 are restricted from being granted certification at 25KHz for United States - State & Local Markets only.

² Radios meet industry standards (IPX7) for immersion.

³ Chargers and batteries for the APX 4000 radios do not interoperate with other APX radios.

⁴ Compatible with BT 2.0 and HSP and PAN BT Profiles.

⁵ When used with a Hazardous Location tested radio.

⁶ Only available in multifunction knob model.

⁷ Only compatible with 2 knob model.

TRANSMITTER - TYPICAL PERFORMANCE SPECIFICATIONS

		700/800	VHF	UHF Range 1	UHF Range 2	900 MHz ⁶
Frequency Range/ Bandsplits	700 MHz	763-776, 793-806 MHz	136-174 MHz	380-470 MHz	450-520 MHz	896-901, 935-940 MHz
	800 MHz	806-824, 851-870 MHz				
Channel Spacing		25/12.5 kHz	30/25/12.5 kHz	25/12.5 kHz	25/12.5 kHz	12.5 kHz
Maximum Frequency Separation		Full Bandsplit	Full Bandsplit	Full Bandsplit	Full Bandsplit	Full Bandsplit
Rated RF Output Power Adj ¹		1-3 Watts Max	1-5 Watts Max	1-5 Watts Max	1-5 Watts Max	1-2.5 Watts Max
Frequency Stability ¹ (-30°C to +60°C; +25°C Ref.)		±0.00010 %	±0.00010 %	±0.00010 %	±0.00010 %	±0.00010 %
Modulation Limiting ¹		±5 kHz / ±4 kHz / ±2.5 kHz	±5 kHz / ±4 kHz / ±2.5 kHz	±5 kHz / ±4 kHz / ±2.5 kHz	±5 kHz / ±4 kHz / ±2.5 kHz	±2.5 kHz
Emissions (Conducted and Radiated) ¹		-75 dB	-75 dB	-75 dB	-75 dB	-75 dB
Audio Response ¹		+1, -3 dB	+1, -3 dB	+1, -3 dB	+1, -3 dB	+1, -3 dB
FM Hum & Noise	25 kHz	-47 dB	-47 dB	-47 dB	-47 dB	-47 dB
	12.5 kHz	-45 dB	-47 dB	-45 dB	-45 dB	-45 dB
Audio Distortion ¹	25 kHz 12.5 kHz	1.00%	1.00%	1.00%	1.00%	1.00%

BATTERIES FOR APX 4000

Battery Capacity / Type	Dimensions (HxWxD)	Weight	Battery Part Number	Battery Capacity
Li-Ion IMPRES 1900 mAh IP67	114.5x55.04x17.85	150 grams	NNTN8128A	1900 mAh
Li-Ion IMPRES 2300 mAh IP67 Non-HazLoc	114.5x55.04x23.15	160 grams	PMNN4424AR	2300 mAh
Li-Ion IMPRES 2300 mAh IP67 HazLoc ⁵	114.5x55.04x23.15	180 grams	NNTN8560A	2300 mAh

PRODUCT SPEC SHEET

APX™ 4000



MODEL 2



MODEL 3

RADIO MODELS		
	MODEL 2	MODEL 3
Display	Full bitmap color LCD display 3 lines of text x 14 characters 1 line of icons 1 menu line x 3 menus White backlight	Full bitmap color LCD display 3 lines of text x 14 characters 1 line of icons 1 menu line x 3 menus White backlight
Keypad	Backlight keypad 3 soft keys 4 direction Navigation key Home and Data buttons	Backlight keypad 3 soft keys 4 direction navigation key 4x3 keypad Home and Data buttons
Channel Capacity	512	512
FLASHport Memory	64 MB	64 MB
700/800 MHz (763-870 MHz)	H51UCF9PW6AN Q360GK	H51UCH9PW7AN Q360GK
VHF (136-174 MHz)	H51KDF9PW6AN Q360GX	H51KDH9PW7AN Q360GX
UHF Range 1 (380-470 MHz)	H51QDF9PW6AN Q360GL	H51QDH9PW7AN Q360GL
UHF Range 2 (450-520 MHz)	H51SDF9PW6AN Q360HA	H51SDH9PW7AN Q360HA
900 MHz (896-940 MHz)	H51WCF9PW6AN Q360JF	H51WCH9PW7AN Q360JE
Buttons & Switches	Large PTT button ■ Angled On/Off Volume Control ■ 16 position top-mounted rotary switch ■ Orange emergency button ■ 3 programmable side buttons	

TRANSMITTER CERTIFICATION

700/800 (764-869 MHz)	AZ489FT7049
VHF (136-174 MHz)	AZ489FT3828
UHF Range 1 (380-470 MHz)	AZ489FT4905
UHF Range 2 (450-520 MHz)	AZ489FT4910
900 MHz (896-901, 935-940 MHz)	AZ489FT5864

FCC EMISSIONS DESIGNATORS

FCC Emissions Designators	11K0F3E, 16K0F3E, 8K10F1D, 8K10F1E, 8K10F1W, 20K0F1E*
FCC Emissions Designators for 900 MHz	11K0F3E, 8K10F1D, 8K10F1E, 8K10F1W

POWER SUPPLY

Power Supply	One rechargeable Li-Ion 1900 mAh battery standard, or 2300 mAh/2700 mAh high cap Li-Ion.
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* Per the FCC Narrowbanding rules, new products (APX4000 VHF, UHF1, UHF2) submitted for FCC certification after January 1, 2011 are restricted from being granted certification at 25KHz for United States - State & Local Markets only.

RECEIVER - TYPICAL PERFORMANCE SPECIFICATIONS

		700/800	VHF	UHF Range 1	UHF Range 2	900 MHz
Frequency Range/Bandsplits	700 MHz 800 MHz	763-776 MHz 851-870 MHz	136-174 MHz	380-470 MHz	450-520 MHz	935-940 MHz
Channel Spacing		25/12.5 kHz	30/25/12.5 kHz	25/12.5 kHz	25/12.5 kHz	12.5 kHz
Maximum Frequency Separation		Full Bandsplit	Full Bandsplit	Full Bandsplit	Full Bandsplit	Full Bandsplit
Audio Output Power at Rated ¹		500mW	500mW	500mW	500mW	500mW
Frequency Stability ¹ (-30°C to +60°C; +25°C Ref.)		±0.00010 %	±0.00010 %	±0.00010 %	±0.00010 %	±0.00010 %
Analog Sensitivity ²	12 dB SINAD	0.266µV	0.216µV	0.234µV	0.234µV	0.236µV
Digital Sensitivity ⁴	1% BER (800 MHz)	0.400µV	0.277µV	0.307µV	0.307µV	0.33µV
	5% BER	0.266µV	0.188µV	0.207µV	0.207µV	0.222µV
Selectivity ¹	25 kHz channel	-76 dB	-76 dB	-76 dB	-76 dB	-67 dB
	12.5 kHz channel	-67 dB	-70 dB	-67 dB	-67 dB	-67 dB
Intermodulation		-75 dB	-76 dB	-77 dB	-77 dB	-75 dB
Spurious Rejection		-76.6 dB	-85 dB	-80.3 dB	-90 dB	-80 dB
FM Hum and Noise	25 kHz	-53 dB	-51 dB	-50 dB	-50 dB	-47 dB
	12.5 kHz	-47 dB	-45 dB	-45 dB	-45 dB	-47 dB
Audio Distortion ¹		1.00%	1.00%	1.00%	1.00%	1.00%

PRODUCT SPEC SHEET
APX™ 4000

PORTABLE MILITARY STANDARDS 810 C, D, E, F & G										
	MIL-STD 810C		MIL-STD 810D		MIL-STD 810E		MIL-STD 810F		MIL-STD 810G	
	Method	Proc./Cat.	Method	Proc./Cat.	Method	Proc./Cat.	Method	Proc./Cat.	Method	Proc./Cat.
Low Pressure	500.1	I	500.2	II	500.3	II	500.4	II	500.5	II
High Temperature	501.1	I, II	501.2	I/A1, II/A1	501.3	I/A1, II/A1	501.4	I/Hot, II/Basic Hot	501.5	I/A1, II/A2
Low Temperature	502.1	I	502.2	I/C3, II/C1	502.3	I/C3, II/C1	502.4	I/C3, II/C1	502.5	I/C3, II/C1
Temperature Shock	503.1	I	503.2	I/A1C3	503.3	I/A1C3	503.4	I	503.5	I/C
Solar Radiation	505.1	II	505.2	I	505.3	I	505.4	I	505.5	I/A1
Rain	506.1	I, II	506.2	I, II	506.3	I, II	506.4	I, III	506.5	I, III
Humidity	507.1	II	507.2	II	507.3	II	507.4	1 Proc	507.5	II/Aggravated
Salt Fog	509.1	I	509.2	I	509.3	I	509.4	1 Proc	509.5	1 Proc
Blowing Dust	510.1	I	510.2	I	510.3	I	510.4	I	510.5	I
Blowing Sand	1 Proc	1 Proc	510.2	II	510.3	II	510.4	II	510.5	II
Vibration	514.2	VIII/F, Curve-W	514.3	I/10, II/3	514.4	I/10, II/3	514.5	I/24	514.6	I/24
Shock	516.2	I, III, V	516.3	I, V, VI	516.4	I, V, VI	516.5	I, V, VI	516.6	I, V, VI
Shock (Drop)	516.2	II	516.2	IV	516.4	IV	516.5	IV	516.6	IV

DIMENSIONS OF THE RADIOS WITHOUT BATTERY				GPS SPECIFICATIONS	
	Inches (1 knob/2 knob)	Millimeters (1 knob/2 knob)			
Length	5.26/5.42	133/137.7	Channels		12
Width Push-To-Talk button	2.37/2.42	60.2/61.4	Tracking Sensitivity		-159 dBm
Depth Push-To-Talk button	1.72/1.41	43.6/35.75	Accuracy ⁵		<10 meters (95%)
Width Top	2.56/2.62	65/66.55	Cold Start		<60 seconds (95%)
Depth Top	2.13/1.84	43/46.7	Hot Start		<10 seconds (95%)
Weight of the radios without battery	9.17 oz/10.05 oz	260 g/285 g	Mode of Operation		Autonomous (Non-Assisted) GPS

ENCRYPTION		ENVIRONMENTAL SPECIFICATIONS	
Supported Encryption Algorithms	ADP, AES, DES, DES-XL, DES-OFB, DVP-XL	Operating Temperature ⁶	-30°C / +60°C
Encryption Algorithm Capacity	8	Storage Temperature ⁶	-40°C / +85°C
Encryption Keys per Radio	Module capable of storing 1024 keys. Programmable for 64 Common Key Reference (CKR) or 16 Physical Identifier (PID)	Humidity	Per MIL-STD
Encryption Frame Re-sync Interval	P25 CAI 300 mSec	ESD	IEC 801-2 KV
Encryption Keying	Key Loader	Water and Dust Intrusion	IP67
Synchronization	XL – Counter Addressing OFB – Output Feedback	Immersion	MIL-STD 512.X/I
Vector Generator	National Institute of Standards and Technology (NIST) approved random number generator		
Encryption Type	Digital		
Key Storage	Tamper protected volatile or non-volatile memory		
Key Erasure	Keyboard command and tamper detection		
Standards	FIPS 140-2 Level 3; FIPS 197		

¹ Measured in the analog mode per TIA / EIA 603 under nominal conditions
² When used with an FM approved intrinsically safe radio
³ Measured conductively in analog mode per TIA / EIA 603 under nominal conditions.
⁴ Measured conductively in digital mode per TIA / EIA IS 102.CAAA under nominal conditions.
⁵ Accuracy specs are for long-term tracking (95th percentile values >5 satellites visible at a nominal -130 dBm signal strength).
⁶ Temperatures listed are for radio specifications. Battery storage is recommended at 25°C, ±5°C to ensure best performance.
 Specifications subject to change without notice. All specifications shown are typical. Radio meets applicable regulatory requirements.

Motorola Solutions, Inc. 1301 East Algonquin Road Schaumburg, Illinois 60196, U.S.A. 800-367-2346
motorolasolutions.com

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R3-4-2050D





BE BETTER EQUIPPED TO BE MISSION READY

APX™ 4500 PROJECT 25 MOBILE RADIO

A downed power line or the city transit system coming to a halt during rush hour, when the unexpected strikes, you must interoperate seamlessly and securely with other agencies and responders – often across multiple Project 25 (P25) systems. You need to instantly connect and be informed to make better decisions and respond effectively. While the advanced technology of APX™ radios expertly equips you for the unexpected, your organization may be challenged to improve operating expenses.

That's where the APX 4500 P25 mobile radio fits the bill perfectly. It delivers all the benefits of TDMA technology in a compact P25 capable mobile. The APX 4500 brings together powerful technology in an easy-to-use radio that's easy on your budget. It seamlessly unifies public works, utility, rural public safety and transportation users to first responders so they can communicate effectively in the moments that matter.

CONVENIENTLY SMALL, EASY TO INSTALL

The APX 4500 is designed to get the job done without getting in the way. A simplified dash mount design makes installation quick and easy, fitting into the existing XTL™ footprint so you can reuse mounting holes and cables.

Count on the APX 4500 to withstand wet, dusty and hazardous conditions, too. Its IP56 durability rating is the highest level of certification for uncompromising durability and world class quality in a mobile performer you can hose down.

KEEPS CREWS IN TOUCH, AND UP TO THE MINUTE

Safety runs in the APX family and the APX 4500 mobile is no exception. Like all our APX P25 radios trusted by responders worldwide, the APX 4500 mobile redefines safety. Your crews can count on quick, seamless interoperability and extended range – whether they are talking from the top of a pole or the bottom of a trench. You can depend on AES encryption for secure, tamperproof voice and data communications every time they connect.

With integrated GPS in the APX 4500, you can keep an eye on workers and assets you can't see, tracking their locations continuously. The O2 control head with color display is easy to read and operate in all lighting conditions, from bright sunlight to dark streets. The intelligent lighting on the O2 control head notifies your workers when a call is received, an emergency arises, or when they are out of range. Plus, an enlarged multifunction knob makes it easy to use talk-group and volume settings when they're wearing gloves.

Over-the-air programming on the APX 4500 keeps your crews current in the field. You can update the latest mobile without interrupting voice communications while they work.

SIZED RIGHT FOR YOUR BUDGET

The APX 4500 lets you reuse many accessories which utilize the O5 and O3 control heads on XTL radios, so you can maximize your investment while you benefit from the latest technology. Since the APX 4500 is P25 Phase 2 capable for twice the voice capacity, you can add more users without adding more frequencies or infrastructure. It is backwards and forwards compatible with all Motorola mission critical radio systems, so you can interoperate with confidence while you improve operating expenses.

PRODUCT SPEC SHEET
APX™ 4500 MOBILE RADIO



APX™ 4500 SPECIFICATIONS

FEATURES AND BENEFITS:

Available in 700/800 MHz, VHF, UHF1, UHF2, and 900 MHz.
Supports NPCS band (901-902 MHz and 940-941 MHz)

Channels: Standard 512

Trunking Standards supported:

- Clear or digital encrypted Trunked Operation
- Capable of SmartZone®, SmartZone Omnilink, SmartNet®

Analog MDC-1200 and Digital APCO P25
Conventional System Configurations

Narrow and wide bandwidth digital receiver
(6.25kHz/12.5kHz/25kHz/30 kHz)

Embedded digital signaling (ASTRO and ASTRO 25)

Integrated GPS capable

Integrated Encryption Hardware

Intelligent lighting

Radio profiles

Unified Call List

Meets applicable MIL-STD 810C, D, E, F, G

Ships standard IP56

Utilizes Windows XP, Vista and Windows 7
Customer Programming Software (CPS)

- Supports USB Communications
- Built in FLASHport™ support

Re-use of most XTL™ accessories, plus new
IMPRES accessories

OPTIONAL FEATURES:

AES Encryption

Programming over Project 25 (POP25)

Text Messaging

12 character RF ID asset tracking

Tactical OTAR

APX 4500 CONTROL HEAD PORTFOLIO



02 RUGGED CONTROL HEAD

- Large color display with intelligent lighting
- 3 lines of text 14 characters max / 1 line of icons / 1 line of menus
- Built in 7.5 watt speaker
- Multifunction volume/channel knob
- Night/day mode button

PRODUCT SPEC SHEET
APX™ 4500 MOBILE RADIO

TRANSMITTER - TYPICAL PERFORMANCE SPECIFICATIONS												
	700 MHz		800 MHz		VHF		UHF Range 1		UHF Range 2		900 MHz	
Frequency Range/Bandsplits	764-776 MHz 794-806 MHz		806-824 MHz 851-870 MHz		136-174 MHz		380-470 MHz		450-520 MHz		896-902MHz 935-941MHz	
Channel Spacing	25/12.5 kHz		25/12.5 kHz		30/25/12.5 kHz		25/12.5 kHz		25/12.5 kHz		12.5 kHz	
Maximum Frequency Separation	Full Bandsplit		Full Bandsplit		Full Bandsplit		Full Bandsplit		Full Bandsplit		Full Bandsplit	
Rated RF Output Power Adj*	2-30 Watts (2-3 Watts Itinerant)		2-35 Watts		1-50 Watts		1-40 Watts		1-45 Watts (450-485 MHz) 1-40 Watts (485-512 MHz) 1-25 Watts (512-520 MHz)		1-30W 896-901MHz 935-940MHz 1-3W 901-902MHz 940-941MHz	
Frequency Stability* (-30°C to +60°C; +25°C Ref.)	0.8 PPM		±0.8 PPM		±0.8 PPM		±0.8 PPM		±0.8 PPM		±0.8 PPM	
Modulation Limiting*	±5 kHz / ±2.5 kHz		±5 kHz/±4 kHz (NPSPAC) /±2.5 kHz		±5 kHz / ±2.5 kHz		±5 kHz / ±2.5 kHz		±5 kHz / ±2.5 kHz		±2.5 kHz	
Modulation Fidelity (C4FM) 12.5kHz Digital Channel	1.5%		1.5%		2.5%		1.1%		1.1%		1.5%	
Emissions*	Conducted+ -75/-85 dBc		Radiated+ -20/-40 dBm		Conducted -75 dBc		Radiated -20 dBm		Conducted -85 dBc		Radiated -20 dBm	
Audio Response*	+1, -3 dB (EIA)		+1, -3 dB (EIA)		+1, -3 dB (EIA)		+1, -3 dB (EIA)		+1, -3 dB (EIA)		+1, -3 dB (EIA)	
FM Hum & Noise	25 & 20 kHz 12.5 kHz		-50 dB -48 dB		-50 dB -48 dB		-52 dB -51 dB		-51 dB -48 dB		- -45 dB	
Audio Distortion*	25 & 20 kHz 12.5 kHz		0.50% 0.50%		0.50% 0.50%		0.50% 0.50%		0.50% 0.50%		- 0.80 %	

RECEIVER – TYPICAL PERFORMANCE SPECIFICATIONS												
	700 MHz		800 MHz		VHF		UHF Range 1		UHF Range 2		900 MHz	
Frequency Range/Bandsplits	764-776 MHz		851-870 MHz		136-174 MHz		380-470 MHz		450-520 MHz		935-941MHz	
Channel Spacing	25/12.5 kHz		25/12.5 kHz		30/25/12.5 kHz		25/12.5 kHz		25/12.5 kHz		12.5 kHz	
Maximum Frequency Separation	Full Bandsplit		Full Bandsplit		Full Bandsplit		Full Bandsplit		Full Bandsplit		Full Bandsplit	
Audio Output Power at 3% distortion*	7.5 W or 15 W ++		7.5 W or 15 W ++		7.5 W or 15 W ++		7.5 W or 15 W ++		7.5 W or 15 W ++		7.5 W or 15 W ++	
Frequency Stability* (-30°C to +60°C; +25°C Ref.)	±0.00008%		±0.00008%		±0.00008%		±0.00008%		±0.00008%		±0.8 PPM	
Analog Sensitivity*	12 dB SINAD	-120 dBm	-120 dBm		Pre-Amp -123 dBm	Standard -119 dBm	Pre-Amp -123 dBm	Standard -119 dBm	Pre-Amp -123 dBm	Standard -119 dBm	Standard -120dBm	-
Digital Sensitivity	5% BER	-121 dBm	-121 dBm		-123 dBm	-119 dBm	-123 dBm	-119 dBm	-123 dBm	-119 dBm	-121dBm	-
Intermodulation	25 kHz 12.5 kHz	82 dB 82 dB	82 dB 82 dB		82 dB 83 dB	87 dB 86 dB	81 dB 82 dB	86 dB 85 dB	81 dB 82 dB	86 dB 85 dB	- 82 dB	-
Spurious Rejection		91 dB	91 dB		95 dB		91 dB		91 dB		91 dB	
Audio Distortion at rated*		1.20%	1.20%		1.20%		1.20%		1.20%		2 %	
Selectivity*	25 kHz 12.5 kHz 30 kHz	85 dB 75 dB —	85 dB 75 dB —		85 dB 75 dB 90 dB	—	85 dB 75 dB —	85 dB 75 dB —	85 dB 75 dB —	—	74dB —	—

DIMENSIONS		
	Inches	Millimeters
Mid Power Radio Transceiver	2 x 7 x 6.4	50.8 x 178 x 163
O2 Control Head	2.7 x 8.1 x 2.1	69 x 207 x 53
Mid Power Radio Transceiver and O2 Control Head - Dash Mount	2.7 x 8.1 x 8.8	69 x 207 x 223
Mid Power Radio Transceiver and O2 Control Head Weight	5.28 lbs	2.45 kg

SIGNALING (ASTRO MODE)	
Signaling Rate	9.6 kbps
Digital ID Capacity	10,000,000 Conventional / 48,000 Trunking
Digital Network Access Codes	4,096 network site addresses
ASTRO® Digital User Group Addresses	4,096 network site addresses
Project 25 – CAI Digital User Group Addresses	65,000 Conventional / 4,094 Trunking
Error Correction Techniques	Golay, BCH, Reed-Solomon codes
Data Access Control	Slotted CSMA: Utilizes infrastructure-sourced data status bits embedded in both voice and data transmissions.

RADIO MODELS	
700/800 (764-870 MHz)	M22URSS9PW1AN
VHF (136-174 MHz)	M22KSS9PW1AN
UHF Range 1 (380-470 MHz)	M22QSS9PW1AN
UHF Range 2 (450-520 MHz)	M22SSS9PW1AN
900 MHz (896-941 MHz)	M22WRS9PW1AN

GPS SPECIFICATIONS	
Channels	12
Tracking Sensitivity	-153 dBm
Accuracy**	<10 meters (95%)
Cold Start	<60 seconds (95%)
Hot Start	<10 seconds (95%)
Mode of Operation	Autonomous (Non-Assisted) GPS

PRODUCT SPEC SHEET
APX™ 4500 MOBILE RADIO

POWER AND BATTERY DRAIN

Model Type	136-174 MHz, 380-470 MHz, 450-520 MHz, 764-870 MHz, 896-941MHz				
Minimum RF Power Output	2-30 Watts (764-776 MHz), 2-30 Watts (794-806 MHz), 2-35 Watts (806-824 MHz), 2-35 Watts (851-870 MHz), 1-50 Watts (136-174 MHz), 1-40 Watts (380-470 MHz), 1-45 Watts (450-485 MHz), 1-40 Watts (485-512 MHz), 1-25 Watts (512-520 MHz), 1-30Watts (896-901MHz), 1-3Watts (901-902MHz), 1-30W (935-940MHz), 1-3Watts (940-941MHz)				
Operation	13.8V DC ±20% Negative Ground				
Standby at 13.8V	0.85A (764-870 MHz), 0.85A (136-174 MHz), 0.85A (380-470 MHz), 0.85A (450-520 MHz), 0.85A (896-941MHz)				
Receive Current at Rated Audio at 13.8V	3.2A (764-870 MHz), 3.2A (136-174 MHz), 3.2A (380-470 MHz), 3.2A (450-520 MHz), 3.2A (935-941MHz)				
Transmit Current (A) at Rated Power	136-174 MHz (1-50 Watts)	13A (50W)	8A (15W)	764-870 MHz (2***-35W)	12A (35W) 8A (15W)
	380-470 MHz (1-40 Watts)	11A (40W)	8A (15W)	896-901MHz (1-30W)	10A (30W) 7A(15W)
	450-520 MHz (1-45 Watts)	11A (45W)	8A (15W)	935-940MHz(1-30W)	10A (30W) 7A(15W)
				901-902MHz(1-3W)	5A (3W)
				940-941MHz(1-3W)	5A (3W)

MOBILE MILITARY STANDARDS 810 C, D, E, F, G

	MIL-STD 810C		MIL-STD 810D		MIL-STD 810E		MIL-STD 810F		MIL-STD 810G	
	Method	Proc./Cat.	Method	Proc./Cat.	Method	Proc./Cat.	Method	Proc./Cat.	Method	Proc./Cat.
Low Pressure	500.1	I	500.2	II	500.3	II	500.4	II	500.5	II
High Temperature Storage	501.1	I	501.2	I/A1	501.3	I/A1	501.4	I/Hot	501.5	I/A1
High Temperature Operation	501.1	II	501.2	II/A1	501.3	II/A1	501.4	II/Hot	501.5	II
Low Temperature Storage	502.1	I	502.2	I/C3	502.3	I/C3	502.4	I/C3	502.5	I/C3
Low Temperature Operation	502.1	I	502.2	II/C1	502.3	II/C1	502.4	II/C1	502.5	II
Temperature Shock	503.1	-	503.2	I/A1-C3	503.3	I/A1-C3	503.4	I/Hot-C3	503.5	I/C
Solar Radiation	505.1	II	505.2	I	505.3	I	505.4	I	505.5	I/A1
Rain Blowing	506.1	I	506.2	I	506.3	I	506.4	I	506.5	I
Rain Steady	506.1	II	506.2	II	506.3	II	506.4	III	506.5	III
Humidity	507.1	II	507.2	II	507.3	II	507.4	-	507.5	II-Aggravated
Salt Fog	509.1	-	509.2	-	509.3	-	509.4	-	509.5	1 Proc
Blowing Dust	510.1	I	510.2	I	510.3	I	510.4	I	510.5	I
Blowing Sand		-	510.2	II	510.3	II	510.4	II	510.5	II
Vibration Min. Integrity	514.2	VIII/F, Curve-W	514.3	I/10	514.4	I/10	514.5	I/24	514.6	I-Cat.24
Vibration Loose Cargo	514.2	XI	514.3	II/3	514.4	II/3	514.5	II/5	514.6	-
Shock Functional	516.2	I	516.3	I	516.4	I	516.5	I	516.6	I, V, VI

ENCRYPTION

Supported Encryption Algorithms	AES and ADP
Encryption Algorithm Capacity	Single
Encryption Keys per Radio	Module capable of storing 1024 keys. Programmable for 64 Common Key Reference (CKR) or 16 Physical Identifier (PID)
Encryption Frame Re-sync Interval	P25 CAI 300 mSec
Encryption Keying	Key Loader
Synchronization	XL – Counter Addressing, OFB – Output Feedback
Vector Generator	National Institute of Standards and Technology(NIST) approved random number generator
Encryption Type	Digital
Key Storage	Tamper protected volatile or non-volatile memory
Key Erasure	Keyboard command and tamper detection
Standards	FIPS 140-2 Level 3 FIPS 197

* Measured in the analog mode per TIA/EIA 603 under nominal conditions
 ** Accuracy specs are for long-term tracking (95th percentile values >5 satellites visible at a nominal -130 dBm signal strength)
 *** 2 W. itinerant frequencies.
 + Specs includes performance for the non-GNSS/GNSS bands
 ++ Output power in to 8 and 3.2 Ohm external speakers respectively

Specifications subject to change without notice. All specifications shown are typical. Radio meets applicable regulatory requirements.

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ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-30°C / +60°C
Storage Temperature	-40°C / +85°C
Humidity	Per MIL-STD
ESD	IEC 801-2 KV
Water and Dust Intrusion	IP56, MIL-STD

TRANSMITTER CERTIFICATION

700/800 (764-775, 793-805, 806-824, 851-869 MHz)	AZ492FT7055
VHF (136-174 MHz)	AZ492FT4916
UHF R1 (380-470 MHz)	AZ492FT4915
UHF R2 (450-520 MHz)	AZ492FT4916
900 MHz (896-901, 901-902, 935-940, 940-941 MHz)	AZ492FT5865

FCC EMISSIONS DESIGNATORS

FCC Emissions Designators	8K10F1D, 8K10F1E, 8K10F1W, 11K0F3E, 16K0F3E, 20K0F1E, 10K0F3E (for AZ492FT5865 only)
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SPECIFICATION SHEET



APX™ 6500

PROJECT 25 MOBILE RADIO

We've put exceptional flexibility into an advanced mission critical mobile radio that's easy to operate and intuitive to use. The APX 6500 P25 mobile allows users to choose from 4 control heads, mid and high power models and multiple installation configurations in an easy to install design. Innovative safety features such as GPS location tracking, intelligent lighting and one-touch controls help to keep first responders safer than ever before.

Focus on the task not the technology, with the hardworking mission critical mobile that turns mission critical into mission complete.



FLEXIBLE PLATFORM

- Interchangeable control heads that best support your operational needs - 02, 03, 05, 07
- Two transceiver options - high-power and mid-power
- Dual control head support offered on the 02, 05 and 07 control heads

EASY TO INSTALL AND EFFORTLESS TO USE

- Mid-power model fits into any existing XTL footprint, so you can reuse mounting holes and cables
- High-power model trunion design lets you remove the radio without removing the cables
- 12 character RF ID label helps you track information without uninstalling your radio

CUTTING-EDGE TECHNOLOGY AND ADVANCED FEATURES

- Project 25 Phase 2 technology provides twice the voice capacity
- Integrated GPS lets you locate and track an individual or vehicle
- Advanced features like intelligent lighting, radio profiles and text messaging improve communication and coordination



APX™ 6500 SPECIFICATIONS

FEATURES AND BENEFITS:

Available in 700/800 MHz, VHF, UHF R1 and UHF R2 bands
Channels: 870*

Trunking Standards supported:

- Clear or digital encrypted Trunked Operation
- Capable of SmartZone®, SmartZone Omnilink, SmartNet®

Analog MDC-1200 and Digital APCO P25 Conventional System Configurations

Narrow and wide bandwidth digital receiver (6.25kHz/12.5kHz/20kHz/25kHz)

Embedded digital signaling (ASTRO and ASTRO 25)

Integrated GPS capable

Integrated Encryption Hardware

Intelligent lighting

Radio profiles

Unified Call List

Ships standard IP54

Utilizes Windows XP, Vista and Windows 7 Customer Programming Software (CPS)

- Supports USB Communications
- Built in FLASHport™ support

Re-use of most XTL™ accessories, plus new IMPRES accessories

OPTIONAL FEATURES:

Enhanced Encryption Software Options

Programming over Project 25 (POP25)

Text Messaging

Over the Air Rekeying (OTAR)

12 character RF ID asset tracking

Tactical OTAR

*Enhancement package available

TRANSMITTER - TYPICAL PERFORMANCE SPECIFICATIONS

	700 MHz	800 MHz	VHF	UHF Range 1	UHF Range 2	
Frequency Range/Bandsplits	764-776 MHz 794-806 MHz	806-824 MHz 851-870 MHz	136-174 MHz	380-470 MHz	450-520 MHz	
Channel Spacing	25/20/12.5 kHz	25/20/12.5 kHz	25/20/12.5 kHz	25/20/12.5 kHz	25/20/12.5 kHz	
Maximum Frequency Separation	Full Bandsplit	Full Bandsplit	Full Bandsplit	Full Bandsplit	Full Bandsplit	
Rated RF Output Power Adj [†]	10-30 Watts	10-35 Watts	10-50 Watts or 25-110 Watts	10-40 Watts or 25-110 Watts	10-45 Watts (450-485 MHz) 10-40 Watts (485-512 MHz) 10-25 Watts (512-520 MHz)	
Frequency Stability [*] (-30°C to +60°C; +25°C Ref.)	±0.00015 %	±0.00015 %	±0.0002 %	±0.0002 %	±0.0002 %	
Modulation Limiting [*]	±5 kHz / ±2.5 kHz	±5 kHz/±4 kHz (NPSPEC) /±2.5 kHz	±5 kHz / ±2.5 kHz	±5 kHz / ±2.5 kHz	±5 kHz / ±2.5 kHz	
Modulation Fidelity (C4FM) 12.5kHz Digital Channel	±2.8 kHz	±2.8 kHz	±2.8 kHz	±2.8 kHz	±2.8 kHz	
Emissions [*]	Conducted+ -75/-85 dBc	Radiated+ -20/-40 dBm	Conducted -75 dBc	Radiated -20 dBm	Conducted -85 dBc	Radiated -20 dBm
Audio Response [*]	+1, -3 dB (EIA)	+1, -3 dB (EIA)	+1, -3 dB (EIA)	+1, -3 dB (EIA)	+1, -3 dB (EIA)	
FM Hum & Noise	25 kHz 12.5 kHz	-50 dB -48 dB	-50 dB -48 dB	-53 dB -52 dB	-53 dB -50 dB	-53 dB -50 dB
Audio Distortion [*]	2 %	2 %	2 %	2 %	2 %	

DIMENSIONS

	Inches	Millimeters	
Mid Power Radio Transceiver	2 x 7 x 8.6	50.8 x 177.8 x 218.4	
O5 Control Head	2 x 7 x 2.5	50.8 x 180.3 x 63.5	
O2 Control Head	2.7 x 8 x 2.1	68.4 x 206 x 52.83	
O7 Control Head	2 x 7 x 1.5	50.8 x 178 x 40	
Mid Power Radio Transceiver and O5 Control Head-Dash Mount	2 x 7 x 9.6	50.8 x 180.3 x 243.8	
Mid Power Radio Transceiver and O2 Control Head - Dash Mount	2.7 x 8 x 10.5	68.4 x 206 x 268	
Mid Power Radio Transceiver and O7 Control Head - Dash Mount	2 x 7 x 10.3	50.8 x 178 x 262	
Mid Power Radio Transceiver and Remote Mount	2.0 x 7 x 9.6	50.8 x 180.3 x 243.8	
High Power Radio Transceiver	2.9 x 11.5 x 8.8	74 x 293 x 223	
High Power Radio Transceiver with Handle	3.4 x 11.5 x 8.8	87 x 293 x 223	
Mid Power Radio Transceiver and O5 Control Head Weight	6.6 lbs	3.0 kg	
Mid Power Radio Transceiver and O2 Control Head Weight	7.12 lbs	3.23 kg	
Mid Power Radio Transceiver and O7 Control Head Weight	6.74 lbs	3.06 kg	
High Power Radio Transceiver Weight	With Trunnion Without Trunnion	14.2 lbs 12 lbs	6.4 kg 5.4 kg

APX 6500 CONTROL HEAD PORTFOLIO



02 RUGGED CONTROL HEAD

- Large color display with intelligent lighting
- 3 lines of text 14 characters max / 1 line of icons / 1 line of menus
- Built in 7.5 watt speaker
- Multiple control head configuration (up to 2)
- Multifunction volume/channel knob
- Night/day mode button

03 HAND HELD CONTROL HEAD

- Large color display with intelligent lighting
- 2 lines of text 14 characters max / 1 line of icons / 1 line of menus
- Integrated full size DTMF keypad
- Hand-held control head with intuitive user interface
- Two quick-access side buttons
- Display contrast selector

05 STANDARD CONTROL HEAD

- Tri-color display with intelligent lighting
- 2 lines of text 14 characters max / 1 line of icons / 1 line of menus
- Available with Keypad Microphone
- Multiple control head configuration (up to 2)
- Display contrast selector

07 ENHANCED CONTROL HEAD

- Large color display with intelligent lighting
- 3 lines of text 14 characters max / 1 line of icons / 1 line of menus
- Available with Lighting & Siren Controls or DTMF Keypad
- Multiple control head configuration (up to 2)
- Multifunction volume/channel knob
- Night/day mode button

RECEIVER – TYPICAL PERFORMANCE SPECIFICATIONS

	700 MHz	800 MHz	VHF	UHF Range 1		UHF Range 2	
Frequency Range/Bandsplits	764-776 MHz	851-870 MHz	136-174 MHz	380-470 MHz		450-520 MHz	
Channel Spacing	25/20/12.5 kHz	25/20/12.5 kHz	25/20/12.5 kHz	25/20/12.5 kHz		25/20/12.5 kHz	
Maximum Frequency Separation	Full Bandsplit	Full Bandsplit	Full Bandsplit	Full Bandsplit		Full Bandsplit	
Audio Output Power at 3% distortion*	7.5 W or 15 W ++		7.5 W or 15 W ++				
Frequency Stability* (-30°C to +60°C; +25°C Ref.)	+/-0.8 PPM	+/-0.8 PPM	+/-0.8 PPM	+/-0.8 PPM		+/-0.8 PPM	
Analog Sensitivity* 12 dB SINAD	-121 dBm	-121 dBm	Pre-Amp -123 dBm	Standard -119 dBm	Pre-Amp -123 dBm	Standard -119 dBm	Pre-Amp -123 dBm
Digital Sensitivity 5% BER	-121.5 dBm	-121.5 dBm	-123 dBm	-119 dBm	-123 dBm	-119 dBm	-123 dBm
Intermodulation 25 kHz	82 dB	82 dB	84 dB	86 dB	82 dB	86 dB	82 dB
12.5 kHz	82 dB	82 dB	85 dB	86 dB	83 dB	85 dB	85 dB
Spurious Rejection	91 dB	91 dB	95 dB	93 dB		93 dB	
Audio Distortion at rated*	1.20%	1.20%	1.20%	1.20%		1.20%	
FM Hum & Noise 25 kHz	59 dB	59 dB	59 dB	55 dB		57 dB	
12.5 kHz	50 dB	50 dB	50 dB	50 dB		50 dB	
Selectivity* 25 kHz	85 dB	85 dB	85 dB	85 dB		85 dB	
12.5 kHz	75 dB	75 dB	75 dB	75 dB		75 dB	
30 kHz	—	—	90 dB	—		—	

SIGNALING (ASTRO MODE)

Signaling Rate	9.6 kbps
Digital ID Capacity	10,000,000 Conventional / 48,000 Trunking
Digital Network Access Codes	4,096 network site addresses
ASTRO® Digital User Group Addresses	4,096 network site addresses
Project 25 – CAI Digital User Group Addresses	65,000 Conventional / 4,094 Trunking
Error Correction Techniques	Golay, BCH, Reed-Solomon codes
Data Access Control	Slotted CSMA: Utilizes infrastructure-sourced data status bits embedded in both voice and data transmissions.

GPS SPECIFICATIONS

Channels	12
Tracking Sensitivity	-153 dBm
Accuracy**	<10 meters (95%)
Cold Start	<60 seconds (95%)
Hot Start	<10 seconds (95%)
Mode of Operation	Autonomous (Non-Assisted) GPS

POWER AND BATTERY DRAIN

Model Type	136-174 MHz, 380-470 MHz, 450-520 MHz, 764-870 MHz						
Minimum RF Power Output	10-35 Watt (764-870 MHz), 10-50 Watts or 25-110 Watts (136-174 MHz), 10-40W or 25-110 Watts (380-470 MHz), 10-45Watts (450-485 MHz), 10-40Watts (485-512 MHz), 10-25Watts (512-520 MHz)						
Operation	13.8V DC ±20% Negative Ground						
Standby at 13.8V	0.85A (764-870 MHz), 0.85A (136-174 MHz), 0.85A (380-470 MHz), 0.85A (450-520 MHz)						
Receive Current at Rated Audio at 13.8V	3.2A (764-870 MHz), 3.2A (136-174 MHz), 3.2A (380-470 MHz), 3.2A (450-520 MHz)						
Transmit Current (A) at Rated Power	136-174 MHz (10-50 Watt)	13A (50W)	8A (15W)	764-870 MHz (10-35 Watt)	12A (50W)	8A (15W)	
	380-470 MHz (10-40 Watt)	11A (40W)	8A (15W)	136-174 MHz (25-110 Watt)	20A (110W)		
	380-470 MHz (10-40 Watt)	11A (45W)	8A (15W)	380-470 MHz (25-110 Watt)	24A (110W)		

MOBILE MILITARY STANDARDS 810 C, D, E, F & G										
	MIL-STD 810C		MIL-STD 810D		MIL-STD 810E		MIL-STD 810F		MIL-STD 810G	
	Method	Proc./Cat.	Method	Proc./Cat.	Method	Proc./Cat.	Method	Proc./Cat.	Method	Proc./Cat.
Low Pressure	500.1	I	500.2	II	500.3	II	500.4	II	500.5	II
High Temperature	501.1	I, II	501.2	I/A1, II/A1	501.3	I/A1, II/A1	501.4	I/Hot, II/Hot	501.5	I-A1, II
Low Temperature	502.1	I	502.2	I/C3, II/C1	502.3	I/C3, II/C1	502.4	I/C3, II/C1	502.5	I-C3, II
Temperature Shock	503.1	1 Proc	503.2	I/A1C3	503.3	I/A1C3	503.4	I	503.5	I-C
Solar Radiation	505.1	II	505.2	I	505.3	I	505.4	I	505.5	I-A1
Rain	506.1	I, II	506.2	I, II	506.3	I, II	506.4	I, III	506.5	I, III
Humidity	507.1	II	507.2	II	507.3	II	507.4	1 Proc	507.5	II-Aggravated
Salt Fog	509.1	1 Proc	509.2	1 Proc	509.3	1 Proc	509.4	1 Proc	509.5	1 Proc
Blowing Dust	510.1	I	510.2	I, II	510.3	I, II	510.4	I, II	510.5	I, II
Vibration	514.1w	VIII/F, Curve-W	514.3	I/10, II/3	514.4	I/10, II/3	514.5	I/24	514.6	I-cat.24
Shock	516.2	I, III, V	516.3	I, V, VI	516.4	I, V, VI	516.5	I, V, VI	516.6	I, V, VI

ENCRYPTION	
Supported Encryption Algorithms	ADP, AES, DES, DES-XL, DES-OFB, DVP-XL
Encryption Algorithm Capacity	8
Encryption Keys per Radio	Module capable of storing 1024 keys. Programmable for 64 Common Key Reference (CKR) or 16 Physical Identifier (PID)
Encryption Frame Re-sync Interval	P25 CAI 300 mSec
Encryption Keying	Key Loader
Synchronization	XL – Counter Addressing, OFB – Output Feedback
Vector Generator	National Institute of Standards and Technology(NIST) approved random number generator
Encryption Type	Digital
Key Storage	Tamper protected volatile or non-volatile memory
Key Erasure	Keyboard command and tamper detection
Standards	FIPS 140-2 Level 3 FIPS 197

ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature	-30°C / +60°C
Storage Temperature	-40°C / +85°C
Humidity	Per MIL-STD
ESD	IEC 801-2 KV
Water and Dust Intrusion	IP54, MIL-STD

FCC TYPE ACCEPTANCE ID		
BAND	OUTPUT POWER	TRANSMITTER NUMBER
764-870 MHz	10-35 Watts	AZ492FT5858
136-174 MHz	25-110 Watts	AZ492FT3821
136-174 MHz	10-50 Watts	AZ492FT3824
380-470 MHz	10-40 Watts	AZ492FT4894
380-470 MHz	25-110 Watts	AZ492FT4897
450-520 MHz	10-45 Watts	AZ492FT4896

* Measured in the analog mode per TIA/EIA 603 under nominal conditions
 ** Accuracy specs are for long-term tracking (95th percentile values >5 satellites visible at a nominal -130 dBm signal strength)
 + Specs includes performance for the non-GNSS/GNSS bands
 ++ Output power in to 8 and 3.2 Ohm external speakers respectively

Specifications subject to change without notice. All specifications shown are typical. Radio meets applicable regulatory requirements.





Quote Date: 3/29/2017
 Quote No: KE-032917-RPD(P)
 Original Quote Date: 3/29/2017

Programming Services

Customer Information		Product(s):
Agency Name: Raytown Police Department Contact: James Brafford Phone: 816-737-6178 Address: 10000E. 59th Street, Raytown, MO 64133 E-Mail: braddfordj@raytownpolice.org		- Spare Batteries for APX4000
Commenco Contact Information:		
Account Exec: Kris Evans Office: 816-753-2166 Cell: 816-985-4030 E-Mail: kris@commenco.com		

ITEM	QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
1	UNK	Program & P25 Certify APX4000 Portable Radios To Existing Template	\$45.00	UNKNOWN
2a	1	Program & P25 Certify APX4500 Mobile Radio (Control Station) to Existing Template	\$45.00	\$45.00
2b	1	Modify Template for APX4500 Control Station	\$210.00	\$210.00
2c	1	800 Mhz Mag Mount Antenna (for Control Station)	\$27.00	\$27.00
3	3	Program & P25 Certify APX4500 Dash Mount Raido To Existing Template	\$45.00	\$135.00
4	1	Program & P25 Certify APX6500 Remote Mount Radio with 03' Head to Existing Template	\$45.00	\$45.00
Total				UNKNOWN

CUSTOMER APPROVAL/SIGNATURE

BY SIGNING BELOW, CUSTOMER ACKNOWLEDGES AND ACCEPTS THE ABOVE AS A SALES AGREEMENT

_____	_____
Legal Name Of Purchaser	PO Number
_____	_____
Authorized Signature	Date

TERMS / VALIDITY / LEAD TIME

PAYMENT TERMS: - Net 30 Days	PRICES FIRM FOR: - 30 Days
LEAD TIME / DELIVERY: - 5-10 DAYS ARO	All Orders Subject To Shipping & Handling



Quote Date: 3/29/2017
 Quote No: KE-032917-RPD
 Original Quote Date: 3/29/2017

Spare Batteries for APX4000 Radios

Customer Information Agency Name: Raytown Police Department Contact: James Brafford Phone: 816-737-6178 Address: 10000E. 59th Street, Raytown, MO 64133 E-Mail: braddfordj@raytownpolice.org	Product(s): - Spare Batteries for APX4000
---	---

Commenco Contact Information: Account Exec: Kris Evans Office: 816-753-2166 Cell: 816-985-4030 E-Mail: kris@commenco.com
--

ITEM	QTY	DESCRIPTION	UNIT PRICE	EXT PRICE
1	UNK	Spare Battery for APX4000 Portable Radios Model: NNTN8128BR	\$86.70	UNKNOWN
Total				\$0.00

CUSTOMER APPROVAL/SIGNATURE

BY SIGNING BELOW, CUSTOMER ACKNOWLEDGES AND ACCEPTS THE ABOVE AS A SALES AGREEMENT

_____ Legal Name Of Purchaser	_____ PO Number
_____ Authorized Signature	_____ Date

TERMS / VALIDITY / LEAD TIME

PAYMENT TERMS: - Net 30 Days	PRICES FIRM FOR: - 30 Days
LEAD TIME / DELIVERY: - 5-10 DAYS ARO	All Orders Subject To Shipping & Handling

Motorola Solutions, Inc.
1303 E. Algonquin Road
Schaumburg, IL 60196

January 30, 2017

Ellen Wernicke
Director of Emergency Communications
Johnson County Kansas
11880 S. Sunset Dr
Olathe, KS 66061

Subject: Contract 07-13201/DL / Amendment 3

Ms Wernicke;

As part of our commitment to Johnson County we routinely review and update the contract to insure you are getting the best value. With this amendment you will find that the discount levels of our most popular subscriber radios have increased and in addition we included some replacement products for expiring ones, thus keeping the contract fresh and relevant to Johnson County.

We thank you for the opportunity to serve Johnson County with our communications solutions and hope to continue our relationship by providing you with the best products and services available in the communications industry.

Sincerely,

MOTOROLA SOLUTIONS, INC.



MSSSI Vice President
North America Government Markets

Attachment:

**Amendment No 3 To
Communications System Agreement
(Contract Number 07-13201/DL v.3-12-13)**

This Amendment No. 3 to the Communications System Agreement, contract number 07-13201/DL v.3-12-13, ("CSA" or "Agreement") is made by and between Johnson County, Kansas ("County" or "Party" or "Licensee"), and Motorola Solutions, Inc., a corporation organized and existing under the laws of the State of Delaware ("Motorola" or "Contractor" or "Party") (collectively "Parties"). This Amendment No. 3 amends the Agreement identified above.

RECITALS

WHEREAS, the Parties entered into the Agreement dated March 19, 2013, under which the County agreed to purchase and Motorola agreed to sell an ASTRO 25 800 MHz Radio System Expansion and subsequent future equipment and software as to which the Parties may agree; and,

WHEREAS, the Parties entered into Amendment No.1 to facilitate future purchases of equipment, software and services pursuant to the terms and conditions of the CSA by updating Exhibit G, Motorola APC Discount Schedule 1-23-13; and,

WHEREAS, the Parties, pursuant to Section 16.9 of the CSA, wish to amend the CSA to accommodate such future purchases of equipment, software and services by updating Exhibit G, Motorola APC Discount Schedule 4-23-15;

NOW, THEREFORE, the Parties agree that the CSA shall be amended as follows:

1. Amendment No. 3 shall only apply to purchase orders made after the execution of this Amendment and shall not apply to prior purchases pursuant to the CSA.
2. Section 1 – Exhibits B shall only apply to the ASTRO 25 800 MHz Radio System Expansion purchased pursuant to the CSA. Section 1 is hereby amended to replace Exhibit G with the attached Exhibit G, Motorola APC Discount Schedule and Bundled Radio Packages dated 1-20-17.

This Amendment No. 3 is effective on February 1, 2017.

BY SIGNING BELOW, both parties hereto accept this Amendment Number 3 to the Agreement. Except as amended herein, all the terms and conditions of the Agreement, as previously modified, remain unchanged and in full force and effect.

JOHNSON COUNTY, KANSAS

MOTOROLA SOLUTIONS, INC.

BY: 
NAME: Ellen Wernicke
TITLE: Director
DATE: 1-31-2017

BY: 
NAME: Ali Kapadia
TITLE: MSSSI VICE PRESIDENT
DATE: 1/30/2017

Johnson County, KS
 Motorola Contract #07-13201DL v. 3-12-13
 Exhibit G Amendment 3
 1/20/17

Infrastructure	APC	Product	Discount
	112	GTR8000 Stations	25.0%
	147	Router Equipment	25.0%
	222	Software	0.0%
	137	Key Management Facility	18.0%
	228	Centra Com Gold Elite	25.0%
	244	Centra Com Gold Elite Accessories	25.0%
	280	Zone Controller	25.0%
	281	Zone Manager	25.0%
	404	Gold Series Elite Accessories	25.0%
	417	Site Equipment	0.0%
	443	MCC7500	25.0%
	457	Site Equipment	19.0%
	495	Field Replacement Units (FRU)	25.0%
	509	Quantar Stations	25.0%
	524	ASTRO DUI	25.0%
	675	QTAR SZ Intellirepeater	15.0%
	729	Software	0.0%
	780	Repeater Equipment	15.0%
	823	Software	0.0%
	877	Master Site ASTRO	15.0%
	888	Astro Secure Equipment	25.0%

Subscriber	APC	Product	Discount
	430	Software (Flash) Upgrade	27.5%
	466	APX1500	27.0%
	471	APX4500	27.0%
	426	APX 4000 Portable	27.0%
	481	APX 6000 Portable	27.0%
	527	APX 6500 Mobile	27.0%
	536	APX 3000 Portable	27.0%
	655	APX 7000 Portable	27.0%
	656	APX 7500 Mobile	27.0%
	756	APX 6000 XE Portable	27.0%
	761	APX consolette	27.0%
	837	APX 1000 Portable	27.0%

Accessories - Subs	APC	Product	Discount
	115	Portable Accessories	19.0%
	256	Portable Accessories	19.0%
	271	Carrying Cases	19.0%
	291	batt management	19.0%
	372	Portable Accessories	19.0%
	453	battery	19.0%
	476	Portable Accessories	19.0%
	481	antenna	19.0%
	554	antenna	19.0%

Johnson County, KS

Motorola Contract #07-13201DL v. 3-12-13
 Exhibit G Amendment 3
 1/20/17

Accessories - Subs (continued)	APC	Product	Discount
	555	antenna	19.0%
	644	Mobile Accessories	19.0%
	706	Mobile Accessories	19.0%
	742	audio accessory	19.0%
	785	Chargers/Reconditioners	19.0%
	785	Portable Accessories	19.0%
	795	Portable Accessories	19.0%

Wireless Broadband	APC	Product	Discount
	117	Private Label RF Links	0.0%
	214	MOSCAD Hardware	15.0%
	224	Point-to-MultiPoint	15.0%
	382	MOSCAD Software	15.0%
	403	RNC3000 Data Controllers	15.0%
	469	Network Fault Management	15.0%

Drop ship	APC	Product	Discount
	124	MC3000 Desktop Controller	8.0%
	129	3rd Party hardware	19.0%
	131	Networking Products	15.0%
	131	Premysis Channel Banks	10.0%
	183	Signal Booster	19.0%
	207	Coax Cable	8.0%
	207	Tower	10.0%
	207	Site Development	10.0%
	229	NICE Logging Recorder/Accessories	23.9%
	262	Control Station Cables	10.0%
	329	Site Buildings	15.0%
	415	Monitors	24.0%
	457	Minitor V Pagers	8.0%
	515	After Market Site Equipment	15.0%
	708	Computers	10.0%
	854	Test equipment	10.0%
	856	Genwatch	10.0%

Services	APC	Product	Price
	127	Portable Programming	\$ 60.00
	127	Mobile Programming	\$ 60.00
	127	Flash Upgrade	\$ 60.00
	127	Mobile Dash Mount Install	\$ 257.00
	127	Mobile Trunk Mount Install	\$ 354.00
	127	Mobile Dual Control Head Install	\$ 591.00
	127	Motorcycle Install	\$ 492.00

Services (continued)	APC	Product	Price
	127	Mobile Removal	\$ 60.00
	127	Control Station Install	\$ 1,335.00

Motorola may adjust rates periodically, but no more than once each calendar year. When making the adjustment, the rates shown above may be increased by the cumulative change in CPI-W (the US City Average Consumer Price Index for Urban Wage Earners and Clerical Workers) from January 2013 to the latest month for which statistics are available when the increase is implemented.

Above pricing does not include:

- Program Management Coordination
- Interface and hardware to David Clark/Firecom equipment
- Mobile installation hardware (i.e. faceplates/mounting brackets/equipment accessories)
- Relocation of existing equipment
- Loading ID's into Zone Controller

Bundled Radio Package – Bundled Contract Prices

expire 12/31/2017

APX 4000 7/800 MHZ MODEL 2 PORTABLE	MODEL NUMBER	DNUP	JO KS CONTRACT PRICE	BUNDLED CONTRACT PRICE
<u>APX 4000 7/800 MHZ MODEL 2 PORTABLE</u>	H51UCF9PW6 N			
ADD: TWO KNOB CONFIGURATION				
ENH: 3600 OR 9600 TRUNKING BAUD SIN				
INTERNAL GPS ACTIVATION				
MISSION CRITICAL BLUETOOTH				
IV&D PACKET DATA				
ENH: MULTIKEY				
ENH: AES				
ADD: 3 YEAR SERVICE FROM THE START LITE				
EXTREME NOISE CANCELLING OPTION				
			\$4,390.00	\$3,227.38
				\$2,880.63

Bundled Radio Package – Bundled Contract Prices
 expire 12/31/2017

APX4500 7/800 MOBILE	MODEL NUMBER	DNUP	JO KS CONTRACT PRICE	BUNDLED CONTRACT PRICE
<u>APX4500 7/800</u> ADD: 3600 OR 9600 TRUNKING BAUD SINGLE SYSTEM ADD: APX O2 CONTROL HEAD (Grey) ADD: APX CONTROL HEAD SOFTWARE ADD: DASH MOUNT ADD: ANT 3DB LOW-PROFILE 762-870 ADD: PALM MICROPHONE ADD: 3 YEAR SERVICE FROM THE START LITE ADD: MULTIPLE KEY ENCRYPTION OPERATION ADD: AES INTERNAL GPS ACTIVATION IV&D PACKET DATA	M22URS9PW1 N			
			\$4,732.00	\$3,487.03
				\$3,140.28

Bundled Radio Package – Bundled Contract Prices
 expire 12/31/2017

APX 6000 7/800 MHZ MODEL 2.5 PORTABLE - Li series	MODEL NUMBER	DNUP	JO KS CONTRACT PRICE	BUNDLED CONTRACT PRICE
<u>APX 6000 7/800 MHZ MODEL 2.5 PORTABLE - Li series</u> ADD: 9600 TRUNKING OR 3600 DIGITAL TRUNKING MULTI-KEY FOR ADDITIONAL KEYS AES ENCRYPTION ENH: 3 YR. WARRANTY (FROM START) INTERNAL GPS ACTIVATION BLUE TOOTH CAPABILITY IV&D PACKET DATA EXTREME NOISE CANCELLING OPTION	H98UCF9PW6 N			
			\$5,222.00	\$3,834.74
				\$3,487.99

Bundled Radio Package – Bundled Contract Prices
 expire 12/31/2017

APX 6000 7/800 MHZ XE MODEL 2.5 PORTABLE FIRE PORTABLE	MODEL NUMBER	DNUP	JO KS CONTRACT PRICE	BUNDLED CONTRACT PRICE
<u>APX 6000 7/800 MHZ XE MODEL 2.5 PORTABLE</u>	H98UCF9PW6 N			
CAI				
SMARTZONE				
P25				
MULTI-KEY FOR ADDITIONAL KEYS				
AES ENCRYPTION				
ENH: 3 YR. WARRANTY (FROM START)				
INTERNAL GPS ACTIVATION				
BLUE TOOTH CAPABILITY				
IV&D PACKET DATA				
EXTREME NOISE CANCELLING OPTION				
ENH: APX6000XE RUGGED RADIO (includes Delta T)				
ENH: Public Safety yellow or gree housing option				
			\$6,692.00	\$4,907.84
				\$4,561.09

Bundled Radio Package – Bundled Contract Prices
 expire 12/31/2017

APX6500 7/800 MHZ MID POWER MOBILE	MODEL NUMBER	DNUP	JO KS CONTRACT PRICE	BUNDLED CONTRACT PRICE
<u>APX6500 7/800 MHZ MID POWER MOBILE</u>	M25URS9PW1 N			
ADD: ASTRO DIGITAL CAI OPERATION				
ENH: SMARTZONE OPERATION APX6500				
ADD: P25 TRUNKING SOFTWARE				
ADD: O5 CONTROL HEAD				
ADD: APX CONTROL HEAD SOFTWARE				
ADD: DASH MOUNT				
ADD: ANT 3DB LOW-PROFILE 762-870				
ADD: PALM MICROPHONE				
ADD: AUXILARY SPKR 7.5 WATT				
ADD: 3 YEAR SERVICE FROM THE START LITE				
ADD: MULTIPLE KEY ENCRYPTION OPERATION				
ADD: AES ENCRYPTION				
INTERNAL GPS ACTIVATION				
IV&D PACKET DATA				
			\$6,317.00	\$4,644.08
				\$4,297.33

EXPERIENCE THE POWER OF P25

Now – December 9 receive:

\$350 OFF

APX 4000 and APX 4500s

OR

\$400 OFF

APX 6000, APX 6500, APX 8000,
and APX 8500s

KC MARRS Security Package

Purchase Standard
Johnson County Package
and receive:

- OTAP @ no cost
- OTAR @ no cost
- DES @ no cost

Available for MO/KS MARRS members



To purchase, contact your Motorola Account Manager:

Regi Mele: 312-835-9096

Tony Kosiba: 402-659-8848

Inside Sales Rep:

Ashley Bucz: 312-809-0684



TERMS AND CONDITIONS

- The following APX savings should be taken off main line item: \$350 for the APX 4000 and \$400 for the APX 6000, APX 6500, APX 8000, and APX 8500s.
- Promotional discount applies to new APX subscriber orders booked February 1, 2017 – December 9, 2017.
- Customer must request that subscribers be shipped no later than December 16, 2017.
- Promotion must be included at the time of order to be eligible for the promotional discount.
- Participants must be new or existing Motorola customers
- In order to qualify for this promotion, customer must contact its Motorola Account Representative or Local MR and reference this promotion.
- Promotion does not apply to existing customer backlog orders or existing and outstanding quotes.
- MOL orders must go through Price Exception (PE) process.
- Promotion does not apply to Above the Price Book (APB) opportunities.
- Promotion cannot be combined with any other promotional offer.
- In order to qualify for this promotion, customer must contact its Motorola Account Representative or Local MR and reference this promotion.
- Motorola Solutions, Inc. ("Motorola") reserves the right to modify this promotion in whole or in part without prior notice. All decisions made by Motorola Solutions are final.

CITY OF RAYTOWN
Request for Board Action

Date: April 6, 2017
To: Mayor and Board of Aldermen
From: Jason Hanson, City Engineer

Resolution No.: R-2965-17

Department Head Approval: _____

Finance Director Approval: _____ (only if funding is requested)

City Administrator Approval: _____



Action Requested: Board of Aldermen approval to make the final salt barn building payment to SunTrust Equipment Finance & Leasing Corp. and amend the fiscal year 2016-2017 budget.

Recommendation: Staff recommends approval as submitted.

Analysis: The Public Works Department is making the final payment for the salt barn storage building at 10014 E. 65th Street. As per attached, the final payment for the loan is \$47,998.30 and is due on May 1, 2017.

Alternatives: None.

Budgetary Impact:

- Not Applicable
- Budgeted item with available funds
- Non-Budgeted item with available funds through prioritization
- Non-Budgeted item with additional funds requested

Fund: Capital Improvement Sales Tax Fund
205-62-00-100-53000

Amount to Spend: \$47,998.30

Additional Reports Attached: SunTrust Invoice

A RESOLUTION AUTHORIZING AND APPROVING THE FINAL SALT BARN BUILDING PAYMENT IN THE AMOUNT OF \$47,998.30 TO SUNTRUST EQUIPMENT FINANCE & LEADING CORP AND AMENDING THE FISCAL YEAR 2016-2017 BUDGET

WHEREAS, the final salt barn building payment in the amount of \$47,998.30 was not included in the fiscal year 2016-2017 budget;

WHEREAS, the Board of Aldermen find it is in the best interest of the City to authorize and approve the final salt barn building payment in an amount not to exceed \$47,998.30 and amend the Fiscal Year 2016-2017 Budget;

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF RAYTOWN, MISSOURI, AS FOLLOWS:

THAT the Fiscal Year 2016-2017 budget approved by Resolution R-2909-16 is hereby amended as follows:

FROM:	TO:
\$47,998.30	\$47,998.30
Unassigned Fund Balance	Capital Improvement Sales Tax Fund
205.00.00.100.39999	205.62.00.100.53000

FURTHER THAT the City Administrator is hereby authorized to execute all documents necessary to this transaction and the City Clerk is authorized to attest thereto.

PASSED AND ADOPTED by the Board of Aldermen and **APPROVED** by the Mayor of the City of Raytown, Missouri, the 11th day of April, 2017.

Michael McDonough, Mayor

ATTEST:

Approved as to Form:

Teresa M. Henry, City Clerk

Joe Willerth, City Attorney



PO Box 79194
Baltimore, MD 21279-0194

Remittance Section

Customer Number:	4440000188
Invoice Number:	1620807
Invoice Date:	03/17/17
Due Date:	05/01/17
Past Due:	\$0.00
Current Due:	\$47,998.30
Total Due:	\$47,998.30

Address Service Requested

Please check here if your address has changed.
Provide new address on reverse side.

Please include Account Name & Number on all Checks. Use enclosed envelope and make payable to:

6538000053



RAYTOWN, MO, CITY OF
ACCOUNTS PAYABLE
10000 EAST 59TH STREET
RAYTOWN MO 64133-3915

SUNTRUST EQUIPMENT FINANCE & LEASING CORP
PO BOX 79194
BALTIMORE, MD 21279-0194



Please detach and return above portion with your payment



PO Box 79194
Baltimore, MD 21279-0194

Customer Number:	4440000188	Due Date:	05/01/17
Invoice Number:	1620807	Past Due:	\$0.00
Invoice Date:	03/17/17	Current Due:	\$47,998.30
		Total Due:	\$47,998.30

Important Messages



A PARTNERSHIP TO HELP YOU GROW YOUR BUSINESS.

SunTrust Equipment Finance and Leasing Corp. recently partnered with SunTrust Robinson Humphrey. Our goal is still to know your business as well as you do. This partnership reinforces our commitment to meeting and exceeding your equipment financing and leasing needs.

For more information, see the enclosed insert or contact us at **866.608.3037**.

SunTrust Robinson Humphrey is a federally registered service mark of SunTrust Robinson Humphrey, Inc.



Contract Number	Description	Payment Type	Amount	Tax	Total
443-4500188-001	SALT STORAGE BUILDING	Payment	47,998.30	0.00	47,998.30
Current Due:					\$47,998.30



**CITY OF RAYTOWN
Request for Board Action**

Date: April 11, 2017
To: Mayor and Board of Aldermen
From: Jason Hanson, City Engineer

Resolution No.: R-2966-17

Department Head Approval: _____

Finance Director Approval: _____ (only if funding is requested)

City Administrator Approval: _____

Action Requested: Board of Aldermen approval and purchasing authority for the 2016-2017 Granite Seal Project to Vance Brothers to spend in excess of \$15,000.00, but within budgeted amounts.

Recommendation: Staff recommends approval as submitted.

Analysis: The Public Works Department opened bids for the Granite Seal project last year on Friday, May 20, 2016. Vance Brothers was awarded the contract. The City decided to delay this granite chip seal project until FY2017. Vance Brothers had already ordered the material for the 2016 project.

Staff is recommending that the City pay Vance Brothers for this stored material that they purchased in 2016. This will be taken from the FY 2017 granite chip seal project budget line item. When the project is constructed later this year, this amount will have already been paid toward the project.

Alternatives: Do not approve the annual pavement maintenance project and continue to defer annual pavement maintenance.

Budgetary Impact:

- Not Applicable
- Budgeted item with available funds
- Non-Budgeted item with available funds through prioritization
- Non-Budgeted item with additional funds requested

Amount to Spend: \$54,862.47
Fund: Transportation Sales Tax Fund
204.62.00.100.533250

Additional Reports Attached: Summary of quantity and costs of materials ordered and stored, invoice and letters regarding delay of project.

A RESOLUTION AUTHORIZING AND APPROVING THE PURCHASE OF MATERIALS FROM VANCE BROTHERS, INC. FOR THE 2016 CHIP SEAL PROJECT IN AN AMOUNT NOT TO EXCEED \$54,862.47 FOR FISCAL YEAR 2016-2017

WHEREAS, the City of Raytown awarded the 2016 Chip Seal Project to Vance Brothers, Inc. on July 19, 2016 pursuant to Resolution R-2891-16; and

WHEREAS, on September 16, 2016, the City of Raytown requested a delay in the 2016 Chip Seal project and asked for an extension to the existing contact to August 31, 2017 or a mutually agreed-upon date in which Vance Brothers, Inc. agreed to on September 19, 2016; and

WHEREAS, Vance Brothers, Inc. had purchased materials for the 2016 Chip Seal Project and has requested payment for those materials in an amount not to exceed \$54,862.47; and

WHEREAS, the City of Raytown finds it is in the best interest of the citizens of the City of Raytown to authorize and approve the purchase of materials from Vance Brothers, Inc. for the 2016 Chip Seal Project in an amount not to exceed \$54,862.47 for fiscal year 2016-2017;

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF RAYTOWN, MISSOURI, AS FOLLOWS:

THAT the purchase of materials from Vance Brothers, Inc. in an amount not to exceed \$54,862.47 for fiscal year 2016-2017, is hereby authorized and approved; and

FURTHER THAT the City Administrator is authorized to execute all documents necessary to these transactions and the City Clerk is authorized to attest thereto.

PASSED AND ADOPTED by the Board of Aldermen and **APPROVED** by the Mayor of the City of Raytown, Missouri, the 11th day of April, 2017.

Michael McDonough, Mayor

ATTEST:

Teresa M. Henry, City Clerk

Approved as to Form:

Joe Willerth, City Attorney



Public Works Department

10000 East 59th Street
Raytown, Missouri 64133
(816) 737-6012
www.raytown.mo.us



September 15, 2016

Jeff Vance
Vance Brothers Construction
5201 Brighton
Kansas City, MO 64130

Re: 2016 Chip Seal
Delay of Project

Dear Mr. Vance,

This letter is to inform that the City of Raytown must delay the scheduled 2016 Chip Seal project to the 2017 construction season. It is requested that Vance Brothers agree to extend the contract to August 31, 2017 or mutually agreed-upon date.

Sincerely,

A handwritten signature in black ink, appearing to read "Kati Horner Gonzalez".

Kati Horner Gonzalez
Interim Director of Public Works

September 19, 2016

City of Raytown, MO
Attn: Kati Horner Gonzalez
10000 E. 59th Street
Raytown, MO 64133

Re: 2016 Chip Seal
Delay of Project

Dear Ms. Horner,

This letter is in response to the City of Raytown's request to delay 2016 Chip Seal Project under contract with Vance Brothers, Inc. We are agreeable to extend the contract to August 31, 2017 or mutually agreed-upon date barring any increase in oil prices. Should oil prices increase, Vance Brothers, Inc. reserves the right to negotiate a variance with the City of Raytown, on all unit prices under contract.

Sincerely,



Matthew D. Stry
Construction/Contracting – Manager
Vance Brothers, Inc.



phone: 800.821.8549 ▾ 816.923.4325 fax: 816.923.6472 web: vancebrothers.com

5201 Brighton ▾ Kansas City, Missouri ▾ 64130



Vance Brothers, Inc.
 5201 Brighton Ave.
 Kansas City, MO 64130-0107
 Tel: 913-923-4325 / Fax: 913-923-6472
 www.vancebrothers.com

November 7, 2016

Attn: Jason Hanson, P.E.
 City of Raytown, MO
 10000 E. 59th St.
 Raytown, MO 64130

RE: City of Raytown, MO – Public Works
 2016 Granite Chip Seal
 Stored Materials Payment Request

Jason,

With the present status of the City of Raytown - 2016 Granite Seal Project being on hold until proper funding can be resolved, Vance Brothers, Inc. ("VBI") is requesting payment for the delivered, stored granite material. The specified Class 4 Granite material is not an inventoried material in the Kansas City Metro area and Vance Brothers, Inc. is being requested, by our supplier Pavlich, Inc, to be paid for the remaining 550.58 tons of granite material that has not (as of 11-7-16) been delivered to date. Presently, VBI has paid for and taken delivery of 858.21 tons of the same material. The total of this request is for payment for 1,408.79 tons at \$39.00 per ton (cost), for a total sum of \$54,942.81. Please review the following attachment and "summary of quantities and costs" to support our request;

SUMMARY OF QUANTITY & COSTS

Total Ordered Granite Material for 2016	2,488.00 TONS
Gardner, KS – 2016 Granite Seal Project	1,079.21 TONS
<hr/>	
Remaining Inventory for Raytown – 2016 Granite Seal Project	1,406.73 TONS
VBI Paid for Existing Granite Inventory (as of 11-7-16)	858.21 TONS
Pavlich, Inc. Granite Inventory for VBI (as of 11-7-16)	550.68 TONS
<hr/>	
Total Theoretical Inventory for Raytown Project	1,406.73 TONS
2016 Class 4 Granite Aggregate Stored Materials	1,406.73 tons @ \$39.00 per ton = \$54,862.47

VBI had 858.21 tons delivered in the summer of 2016 for preparation of the project along with 550.68 tons that is presently (as of 11-716) due for payment to Pavlich, Inc. Please let me know if there is anything else needed, by the City of Raytown, to process this request.

Cordially,
VANCE BROTHERS, INC.

A handwritten signature in black ink, appearing to read "Perry K. Dummitt". The signature is written in a cursive style with a large initial "P" and a long horizontal stroke at the end.

Perry K. Dummitt
Project Manager



1.800.821.8549 or 816.923.4325
www.vancebrothers.com

INVOICE IA 4236

BILL TO #: 156
City of Raytown, MO
10000 E 59th St
Raytown MO 64133
United States of America

SHIP TO #:
City of Raytown, MO
Raytown MO
United States of America

REMIT TO: Vance Brothers, Inc. - KC
PO Box 877366
Kansas City, MO 64187-7366

AMOUNT DUE: 54,861.75
INVOICE DATE: 04/05/17
DUE DATE: 05/05/17
PAYMENT TERMS: NET 30 DAYS



INVOICE: IA 4236
ORDER #: 504328
DEPARTMENT #: 102-KC CONTRACTING
BOL #: 268260

INVOICE DATE: 04/05/17
ORDER DATE: 04/05/17
SHIPPING METHOD: Vance Bros.
CUSTOMER PO #:

LINE	ITEM NUMBER / DESCRIPTION	QUANTITY	UOM	NET AMOUNT
		PRICE		
1	3014SY * CHIP SEAL Revenue Activity: 26005 Granite Seal Project	29,655.0000 1.8500	SQYD SQYD	54,861.75

CUSTOMER COPY

Vance Brothers
816.923.4325

INVOICE AMOUNT: 54,861.75
TAX AMOUNT: 0.00
NET AMOUNT DUE: 54,861.75