CITY OF EL PASO, TEXAS
AGENDA ITEM
DEPARTMENT HEAD'S SUMMARY FORM

DEPARTMENT: Engineering and Construction Management

AGENDA DATE: September 24, 2013

CONTACT PERSON NAME AND PHONE NUMBER: Irene D. Ramirez, P.E., Interim City Engineer, 541-4428

DISTRICT(S) AFFECTED: All

SUBJECT:
That the City Manager be authorized to sign the Third Amendment to the Agreement for Professional Services by and between the City of El Paso and Federal Engineering, Inc., a Maryland Corporation, for a project known as "El Paso Statistical Area Communications System", to add additional planning and reconfiguration support services required as a result of the April 1, 2013 adoption by the Federal Communication Commission and the Homeland Security Bureau of a reconfiguration channel plan for the 800 MHz band along the U.S.-Mexico border, in the amount of One Hundred Fifty Four Thousand Four Hundred Twenty and No/00 Dollars ($154,420.00), thereby extending the contract amount from $609,800.55 to $764,220.55.

BACKGROUND / DISCUSSION:
In July 2004, the Federal Communications Commission (FCC) adopted a staged plan to reorganize the 800 MHz band in order to minimize interference to public safety radio systems caused by commercial wireless systems. Since commercial wireless systems frequencies such as Sprint Nextel operate adjacent to the public safety frequencies on the 800 MHZ band causing interference with the public safety communications Sprint Nextel is requesting to use the City's contract with Federal Engineering, Inc. to reorganize the frequencies of the public safety radio systems. The reorganization of the frequencies complies with FCC requirements and Sprint Nextel will pay for all associated costs.

PRIOR COUNCIL ACTION:
The original agreement for professional engineering services was entered into on August 9, 2011. The First Amendment was entered into on May 22, 2012. The First Amendment extended the evaluation of the Fire Department's communication system and the Sheriff's Office and added procurement and project management for the City Police Department's installation of the new system. The Second Amendment was entered into on December 18, 2012 added additional services for radio system consulting support during the procurement and implementation phase of the radio system, on-call technical support, development of the County Sheriff's portion of the El Paso Metropolitan Area Communications System (EPMSACS) of the interoperable radio system plus an increase for reimbursable expense.

AMOUNT AND SOURCE OF FUNDING:
$154,420.00 The Federal Communications Commission (FCC) 800 MHz Report and Order (FCC 04-168)1 requires that Sprint Nextel provide funds for affected public safety agencies to reconfigure their systems.

BOARD / COMMISSION ACTION: N/A

********************REQUIRED AUTHORIZATION*********************

DEPARTMENT HEAD:

Irene D Rz

RESOLUTION

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF EL PASO:

That the City Manager be authorized to sign the Third Amendment to the Agreement for Professional Services by and between the City of El Paso and Federal Engineering, Inc., a Maryland Corporation, for a project known as "El Paso Statistical Area Communications System", to add additional planning and reconfiguration support services required as a result of the April 1, 2013 adoption by the Federal Communication Commission and the Homeland Security Bureau of a reconfiguration channel plan for the 800 MHz band along the U.S.- Mexico border, in the amount of One Hundred Fifty Four Thousand Four Hundred Twenty and No/00 Dollars ($154,420.00), thereby extending the contract amount from $609,800.55 to $764,220.55.

ADOPTED THIS _____ DAY OF _____, 2013.

CITY OF EL PASO:

_____
Oscar Leeser,
Mayor

ATTEST:

_____
Richarda Duffy Momsen,
City Clerk

APPROVED AS TO FORM:

_____
Cynthia Osborn
Assistant City Attorney

APPROVED AS TO CONTENT:

_____
Irene D. Ramirez, P.E.
Interim City Engineer

Matter # 12-1004-198 PL # 207131
Third Amend Prof Svc Agreement
El Paso Metropolitan Statistical Area Communications System
Federal Engineering, Inc.
COSB

THE STATE OF TEXAS)
)
COUNTY OF EL PASO)

THIRD AMENDMENT
AGREEMENT
FOR PROFESSIONAL SERVICES

This Third Amendment to that certain Agreement for Professional Services is made this _____ day of _____, 2013, by and between the City of El Paso, a Texas municipal corporation (the "***Owner***"), and Federal Engineering, Inc., a Maryland Corporation (the "***Consultant***").

WHEREAS, on August 9, 2011, the Owner entered into an Agreement for Professional Services (the "***Agreement***") with the Consultant for a Project known as "**EL PASO STATISTICAL AREA COMMUNICATIONS SYSTEM**" (the "***Project***") for the evaluation of the City's existing and proposed Motorola systems and provision of recommendations for future phases of the El Paso Metropolitan Statistical Area Communications System ("**EPMSACS**"); and

WHEREAS, the Agreement was for an amount not to exceed $200,000.00 plus travel and other expenses to be reimbursed at costs; and

WHEREAS, the Agreement may be amended under the provisions of Section 3.2 and Attachment "C"; and

WHEREAS, on May 22, 2012, the parties entered into a First Amendment to the Agreement to limit the Consultant's travel and other expenses to $11,540.55, and to add additional services for radio system consulting support during the procurement and implementation phases of the radio system, on-call technical support, evaluation of an automated dispatch and fire station alerting system and evaluation of the Sheriff Department's existing system, thereby extending the contract amount from $200,000.00 to $458,800.55; and

WHEREAS, on December 18, 2012, the parties entered into a Second Amendment to the Agreement to add additional services for radio system consulting support during the procurement and implementation phases of the radio system, on-call technical support, development of the County Sheriff's portion of the El Paso Metropolitan Area Communications System (EPMSACS) of the interoperable radio system in an amount of $134,500.00 plus an increase for reimbursable expenses in an amount not to exceed $16,500.00, for a total additional cost of $151,000.00 thereby extending the contract amount from $458,800.55 to $609,800.55; and

WHEREAS, concurrent with the approval of the Second Amendment, the Owner and the County of El Paso entered into an Interlocal Agreement whereby the County of El Paso would reimburse the Owner for the $151,000.00 amount of the Second Amendment to the extent that said amount was actually expended by the Owner.

WHEREAS, the parties hereto further desire to amend the Agreement to provide additional services for the planning and reconfiguration support required as a result of the April 1, 2013 adoption by the Federal Communication Commission and the Homeland Security Bureau of a

reconfiguration channel plan for the 800 MHz band along the U.S.- Mexico border, at an additional cost of $154,420.00, thereby extending the contract amount from $609,800.55 to $764,220.55.

NOW THEREFORE, in consideration of the mutual promises set forth in this Amendment and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties hereto agree as follows:

1. **Scope of Services.** The Owner hereby authorizes the Consultant to continue to perform the Services as described in Attachment "A" of the Agreement and Attachment "A" of the First and Second Amendment to the Agreement as well as perform the additional services as further described in Attachment "A" to this Third Amendment.

2. **Payments to Consultant.** Payment to the Consultant shall be made pursuant to the schedule enumerated within Attachment "C" of the Agreement. Payment to the Consultant for the additional services the subject of this Third Amendment shall not exceed One Hundred Fifty Four Thousand Four Hundred Twenty and 00/00 Dollars ($154,420.00).

3. **Time of Completion.** The additional services the subject of this Third Amendment shall be completed within the project schedule set forth in the Scope of Services described in Attachment "A" to this Third Amendment, following Owner's written Notice to Proceed to the Consultant.

4. **Terms and Conditions.** All terms and conditions of the Agreement and all subsequent Amendments thereto, except as herein revised, shall remain in full force and effect.

WITNESS THE FOLOWING SIGANTURES AND SEALS:

THE CITY OF EL PASO

_____
Joyce A. Wilson
City Manager

CONSULTANT
FEDERAL ENGINEERING, INC.

_____
By: Ronald F. Bosco,
Title: President

APPROVED AS TO FORM:

Cynthia Osborn
Assistant City Attorney

APPROVED AS TO CONTENT:

Irene D. Ramirez, P.E.
Interim City Engineer

Matter # 121004-198 PL # 207131
Third Amend Prof Svc Agreement
El Paso Metropolitan Statistical Area Communications System
Federal Engineering, Inc.
COSB

ACKNOWLEDGEMENT

THE STATE OF TEXAS §
§
COUNTY OF EL PASO §

This instrument was acknowledged before me on this ___ day of _____, 2013, by **Joyce A. Wilson,** as **City Manager** of the **City of El Paso, Texas.**

_____
Notary Public, State of Texas

My commission expires:

_____

ACKNOWLEDGEMENT

COMMONWEALTH OF VIRGINIA §
§
COUNTY OF FAIRFAX §

This instrument was acknowledged before me on this ___ day of _____, 2013, by **Ronald F. Bosco,** as **President** of **Federal Engineering, Inc.**.

_____
Notary Public, State of Virginia

My commission expires:

_____

"Unleashing the Power of Technology"

Federal Engineering®

Federal Engineering, Inc.
10600 Arrowhead Drive
Fairfax, VA 22030
703-359-8200

STATEMENT OF WORK (SOW)
Issued: August 26, 2013

AMENDMENT TO CITY OF EL PASO, TX
Contract for
El Paso Metropolitan Statistical Area Communications System
Dated: August 9, 2011

PROJECT ELPAS-PFA-SUP
CITY OF EL PASO, TEXAS
800 MHZ RECONFIGURATION PLANNING SUPPORT

1.0 INTRODUCTION AND ISSUES

The City of El Paso (City) owns and operates 800 MHz wireless voice and data systems in the state of Texas. In July 2004, the Federal Communications Commission (FCC) adopted a staged plan to reorganize the 800 MHz band in order to minimize interference to public safety radio systems caused by commercial wireless systems. This plan, now often referred to as *800 MHz Rebanding*, requires that Sprint Nextel (SN) provide funds for affected licensees to reconfigure their systems and that each relocated licensee realize "comparable facilities" at the end of the reconfiguration process. While some of City's frequencies can remain where they are, the task of moving those that require relocation will necessitate thorough research and careful planning. The Federal Communications Commission (FCC) 800 MHz Report and Order (FCC 04-168)[1] requires Sprint Nextel to pay for the cost of relocating all affected 800 MHz incumbents to new spectrum with comparable technological and operational capabilities.

It is imperative that this task of frequency relocation is handled smoothly and efficiently, to minimizes any user-level performance interruption and to ensure that overall system performance is not degraded. In order to expedite these results, there must be constant and clear communication between all necessary parties, including the City, SN who is responsible for funding the reconfiguration effort, the Transition Administrator (TA) that provides oversight of 800 MHz rebanding for the Federal Government, and the FCC. The 800 MHz rebanding order also provides a funding mechanism by which Sprint Nextel will pay the costs of reconfiguring licensee systems to provide comparable facilities. Under this order, Sprint Nextel will make direct payments to vendors who provide goods and services to licensees for their reconfigurations and associated planning activities, as agreed to by the affected licensees, as well as to licensees for costs incurred by licensee personnel in performing reconfiguration or planning activities.

The City has a number of locations in or near the international border with Mexico subject to, or affected by, a special 800 MHz band plan impacted by international treaty negotiations. Mexican border area licensees are not currently required to begin 800 MHz reconfiguration planning but the FCC and the TA have encouraged licensees to begin planning and negotiation activities[2], to the extent that such activities

[1] http://www.800ta.org/content/fccguidance/FCC_04-168_08.06.04.pdf

[2] http://www.800ta.org/content/resources/Mexico_Border_Region_Reconfig_Fact_Sheet.pdf

would not result in an unnecessary duplication of costs.

Federal Engineering, Inc. (***FE***) has assisted multiple 800 MHz licensees in negotiating and executing approved Planning Funding Agreements (PFA) and Frequency Reconfiguration Agreements (FRA) with SN. This Statement of Work (SOW) is derived from the best practices from these projects and is consistent in approach and format with documents previously accepted by SN and the TA. Relying upon ***FE***'s prior experiences with the rebanding process and familiarity with current El Paso 800 MHz systems, assures the City of an orderly, low risk approach to their rebanding project. Leveraging ***FE***'s knowledge in these areas also ensures that reconfiguration of the City's 800 MHz systems are accomplished with minimal effect on daily operations and that the reconfigured equipment operates properly once reconfiguration activities are complete.

FE will act as an overall technical program manager and coordinator on behalf of City during the 800 MHz rebanding process. Utilizing ***FE*** resources, resources within City, the system manufacturer and other subcontractors as may be appropriate, ***FE*** will develop the technical and operational plans necessary to maintain reliable communications during all reconfiguration activities in a manner consistent with the operational needs of City.

1.1 Objectives

The purpose of this document is to detail the 800 MHz reconfiguration planning needs of the City. The objectives of this program from the City's perspective are as follows:

- Contract with an independent consulting firm that is experienced in utility communications and can deliver this planning phase in a cost effective manner
- Minimize the risks and disruptions of service through detailed planning, analysis and program management
- Inventory current systems and equipment to quantify the level of effort required
- Benchmark current system performance and measure post-Reconfiguration performance to ensure that no degradations were introduced
- Develop a program plan, statement of work, and costing information for the reconfiguration implementation phase for submittal to the TA and SN

The City has retained the services of Federal Engineering, Inc. (***FE***) to assist in the planning and implementation of 800 MHz reconfiguration. ***FE*** is a nationwide systems engineering and consulting firm specializing in land mobile radio communications.

Federal Engineering will perform the following duties for the City:

- Conduct an examination of the City's communications inventory, including user equipment, repeaters, base stations and other radio system equipment
- Work with the appropriate equipment manufacturers to determine which equipment must be modified, reprogrammed, or replaced in order to comply with the reconfiguration efforts
- Create a baseline cost estimate which shall encompass the totality of City's expenses
- Facilitate communication between all necessary parties in this process
- Draft all necessary documents to ensure that these activities are executed in a timely fashion

Additional details regarding the City's reconfiguration program are presented in subsequent paragraphs.

2.0 TASKS TO BE PERFORMED

The 800 MHz band reconfiguration process is divided into two main segments. Phase One, the **Planning and Negotiation Phase**, includes all planning and research activities that will prepare the City for actual reconfiguration activities. Phase Two, the **Reconfiguration Implementation Phase** includes performance of the actual reconfiguration, as well as the completion of the reconfiguration true up

process.

It is the goal of ***FE*** to assist the City in making the process of reconfiguration a smooth and efficient one. All of the necessary tasks to accomplish this goal are outlined in this section.

2.1 Planning and Negotiation – Phase One

During this phase, the City's needs are assessed, reconfiguration plans and schedules are developed, and contracts are negotiated. The tasks of this phase include conducting negotiations with SN, replacement frequency analysis, systems inventory, engineering, implementation planning, and project management.

SN will reimburse the cost of the approved planning and negotiation activities. This process begins by submitting a Request for Planning Funding (RFPF), detailing the City's estimated planning expenses, to SN and the TA. ***FE*** will provide support in the drafting of this document so that the City may obtain funding from SN to cover these planning costs. This step is discussed in further detail later in this section.

2.1.1 Project Management

The first step in this program is the development of a program plan to manage this project for the City. The program plan assists in providing scheduling, identifying risks, forecasting resources, and tracking and reporting the efforts of ***FE*** as well as all relevant agencies, stakeholders and third party vendors.

A high-level task-based schedule will be developed to ensure that the process is managed and completed within the desired periods. The process will be outlined in a way that ensures that the results will meet the City's requirements.

Federal Engineering will deliver monthly status reports in electronic form. Each such report will address the specific accomplishments achieved during the reporting period, including task completion dates, and projected completion dates for the remaining tasks. Topics to be covered for such reports typically include:

- Overview
- Task Objectives
- ***FE*** Accomplishments
- Difficulties Encountered
- Anticipated Project Changes
- City Actions
- Scheduled Tasks
- Task Completion Status
- Current Milestone Schedule
- Meetings and Trips
- Invoice Payment Status

FE will deliver these status reports in electronic form via email attachments.

Federal Engineering will conduct a program orientation meeting with representatives from the City's user organizations. The purpose of this meeting will be to introduce the ***FE*** program team, review project objectives and key milestone dates, identify the relevant stakeholders and/or the key personnel who will participate, organize project logistics, outline expected deliverables, review status reporting methodologies, and resolve any other issues that may arise. It is also anticipated that the City will introduce its Program Manager for the project at this meeting.

As a result of this meeting, ***FE*** will deliver a revised project plan and timetable. This project plan will serve as the guiding document throughout the program.

2.1.2 Submit Request for Planning Funding

By submitting a Request for Planning Funding form to SN and the TA, in accordance with the agreements SN has made regarding this reconfiguration process, the costs of all approved planning activities will be paid in full by SN. Federal Engineering will work with the City in the drafting of this document and provide up to 40 hours of support for the negotiation of a Planning Funding Agreement (PFA) with SN, so that funding can be provided to the City to cover these costs. If after 40 hours of negotiation support, the City is not able to reach agreement with SN, ***FE*** will provide a revised cost estimate for continued negotiation support and this SOW will be amended accordingly.

In order to accurately determine the level of funding necessary, ***FE*** will work with the City to tabulate all estimated costs of planning. These costs include, but are not limited to, costs associated with third-party vendors, such as the estimated total of this SOW, as well as the City's internal employee and resource expenditures during the planning phase. Once the total cost for planning has been calculated, the Request for Planning Funding Form will be completed and submitted to the TA and SN, along with any documentation supporting the requested amount.

2.1.3 Document User Equipment Inventory

To complete the relocation of the City systems to the new frequencies assigned, various types of user radio equipment may have to be reprogrammed, retuned, or replaced. In order to assure that all user equipment is accounted for, an accurate inventory of the City's user equipment must be provided.

Federal Engineering personnel will review electronic versions of the City's inventories of existing equipment to ensure that the inventory is accurate and confirm that all necessary frequency information is made available. Additional hands-on inspections may be required for some data collection activities, to identify specific model numbers, hardware revision levels, firmware revision levels, and other data determined to be necessary to complete the reconfiguration process. As most radios for this system have been purchased in phases, this sampling will allow for accurate determination of the overall quantity and type of radios that must be reprogrammed, retuned, or replaced based on the frequencies that are to be relocated or reconfigured.

The user equipment to be assessed for the reconfiguration will include, but not be limited to:

- mobiles and portables
- radio programming equipment/software
- accessories by user device model number
- active devices in daily service
- spare devices used for special events or emergencies
- devices used on the licensed system that are assigned to other entities

2.1.4 Document Infrastructure Facilities Inventory

As with the user equipment, some systems infrastructure equipment may have to be retuned, modified or replaced in order to migrate to new frequencies. An accurate inventory must be available and reviewed for all infrastructure equipment, including the current frequency and the frequency range of the equipment, so that a determination can be made if the equipment can be modified or must be replaced.

Federal Engineering personnel will work with the City to survey all tower site locations supporting the City trunked radio system, the sites for trunked radio system control equipment, and any sites used for the 800 MHz mobile data system as needed. Information to be collected, where available, will include make,

model number, hardware revision level, firmware revision level, current location, equipment status, and other data determined to be necessary. This will allow for the accurate determination of which elements of the infrastructure must be modified or replaced based on the frequencies that are to be relocated or reconfigured.

2.1.5 Define City Area Interoperability Environment

The interoperability environment in which the City systems operate will also have to be determined. This includes an assessment of radios and associated equipment that share channels and/or talkgroups with other entities, and which other entities have equipment programmed for operation on City systems. ***FE*** will provide the Program Management and technical resources necessary to gather this information.

Once this is completed, ***FE*** will determine which of the frequencies associated with these interoperability channels must be relocated. Any equipment utilizing these channels will have to be reconfigured during the implementation phase. ***FE*** will determine which of the City's interoperability frequencies will be relocated, and the user and infrastructure equipment modifications necessary to operate on the new frequencies.

FE will capture and document the City's current and interim operational requirements including future capabilities and the City's needs and interoperability requirements currently supported by the existing systems. This work will be undertaken to assure that these capabilities are maintained in the system after the reconfiguration process is complete.

In addition, the City will have to develop a plan for how communications will be conducted during the reconfiguration. ***FE*** will assist City in the development of this communications plan. ***FE*** will work to assure that the City remains aware of the reconfiguration actions that are being taken by other entities that could impact the City.

2.1.6 Frequency Analysis

Table 1 indicates the anticipated action needed for all City channels that must be reconfigured. ***FE*** has confirmed the accuracy of this list against the FCC license database and the TA's reconfiguration tools[3]. ***FE*** will work with the City to confirm that all systems are represented accurately prior to beginning any reconfiguration efforts. At a minimum, it appears that 126 fixed base station locations may require reconfiguration.

Once the 800 MHz band plan for the border area is developed, the TA will propose new frequencies for those that must be reconfigured. After the TA conveys this information, an evaluation process will begin to determine the level of compatibility the new frequency assignments have with the existing frequencies. ***FE*** will manage the spectrum selection process and provide independent verification and validation of the frequency plans proposed by the TA and SN. This analysis may include intermodulation and Transmitter Noise/Receiver Desense studies, area frequency analysis including co-channel studies and frequency separation analysis to determine compatibility with the antenna systems located at each radio site.

If it is decided that the frequencies are acceptable, then the reconfiguration process will continue, but should ***FE*** or the City determine that the frequencies will not work with the current configurations, or should the City decide that it would bear too much of a hardship to relocate to the proposed frequencies, then other action will need to be taken after communications and negotiations with SN and the TA.

FE will assist the City during this process. Based upon the inventory information compiled, ***FE*** will determine whether the proposed frequencies can be integrated into existing equipment, or whether replacements will have to be obtained. ***FE*** will determine which options can be taken to ensure that the

[3] http://www.800ta.org/content/resources/call_sign.asp

relocation does not put the City's critical communications systems at risk.

2.1.7 System Benchmark Plan Development

FE will develop a plan and process to benchmark the performance of the City's 800 MHz systems prior to reconfiguration. This process will include the collection of site measurement data such as transmitter power combiner losses, receiver sensitivity and noise floor on each channel at each site prior to any system reconfiguration. In addition, the performance of the system may be verified by limited radio coverage drive testing, in simulcast coverage areas, to record the signal strength and signal quality of the system utilizing existing frequencies.

Based upon this benchmarking plan, ***FE*** will develop a preliminary acceptance test plan (ATP) to be implemented after the channels have been relocated. The draft acceptance test plan will serve as a basis for deciding what measures must be taken after reconfiguration to ensure that the systems are functioning equal to or better than they were prior to the reconfiguration. The official ATP will be finalized during the contract negotiations with SN.

2.1.8 Prepare a Reconfiguration Cost Estimate

Based upon the user unit and infrastructure inventory, ***FE*** will coordinate with the appropriate manufacturers, local radio shops, and/or City internal staff to determine if the equipment can be reprogrammed or must be replaced and what the cost of the effort will be. Details regarding how much equipment will be affected and what steps have to occur to execute those changes will drive this cost estimate. ***FE*** will develop a complete estimate that covers all costs of the actual reconfiguration implementation.

FE will work with the City to make sure that the costs submitted to SN and the TA are representative of the work necessary to complete the reconfiguration. This process will include obtaining firm cost quotations from the vendors who will perform the technical reconfiguration tasks during the implementation phase; developing costs for ***FE*** to provide Program Management services for the process and to provide acceptance testing; documenting the costs for City personnel and resources; estimating the amount of time necessary to complete these actions; and preparing an SOW to support the amounts presented in the cost estimate.

The completed cost estimate and associated SOW will then be submitted to SN. These documents will form the basis for the negotiations with SN. ***FE*** will work with the City to ensure that the documents are concise, accurate, and submitted to the proper parties within SN in a timely manner.

2.1.9 Negotiate the Contract with Sprint Nextel

Once the reconfiguration cost estimate and associated SOW have been submitted, the negotiations with SN will begin. The results of these negotiations will be a Frequency Reconfiguration Agreement (FRA). Once the FRA estimate is submitted, a voluntary negotiation period with SN begin and last for three months after which a mandatory period of negotiations begins and extends for an additional three months. If the parties are unable to reach an agreement, the TA will assign a mediator to facilitate negotiations.

It is Federal Engineering's goal to have these negotiations begin early as possible and to be completed well before the end of the six-month period. While there are always uncertainties during negotiations, ***FE*** will devote the resources required to assist the City in completing these negotiations in a timely fashion and to ensure that SN agrees to a reconfiguration plan that adequately compensates the City for all expenses incurred during the implementation phase. As with the PFA negotiations, Federal Engineering will work with the City in the drafting of this document and provide up to 80 hours of support for the negotiation of an FRA with SN. If after 80 hours of negotiation support, the City is not able to reach agreement with SN, ***FE*** will provide a cost estimate for continued negotiation support and this SOW will

be amended accordingly.

2.2 Reconfiguration Implementation - Phase Two

After negotiations with SN have been finalized, the actual implementation phase will begin. This phase includes activities such as filing FCC applications for the new frequencies, migrating equipment to those frequencies, conducting system performance tests, and ultimately accepting the reconfigured systems as providing comparable facilities. The following is a more detailed breakdown of the tasks to be performed during this phase. As the purpose of Phase One, the **Planning and Negotiation Phase,** is to develop the detailed plan for Phase Two, the following tasks are described in general terms and will be further clarified within the SOW developed under Phase One.

2.2.1 FCC Applications Filed and Granted for New Frequencies

During the contract negotiation with SN, ***FE*** will determine the responsible party for drafting the FCC applications for the new frequencies. Should it be decided that SN will perform this activity and draft the applications, then ***FE*** will ensure that SN has all of the necessary information regarding sites, frequencies, power levels, etc. that are required to file these forms.

FE will work with the City to draft and file FCC applications and ensure that applications are submitted to the proper department within the FCC in a timely manner.

2.2.2 Sprint Nextel Clears Frequencies

SN is responsible for vacating the frequencies that it currently utilizes and relocating their operations to a different portion of spectrum. The frequencies that it vacates may coincide with the new frequencies that the City will be obtaining. Should this be the case, SN will be required to provide confirmation of their vacating the frequencies, allowing for the City's portion of the reconfiguration to continue. These details will be discussed during the negotiation phase with SN.

FE will offer its personnel as a point-of-contact for SN during this process, thus acting as a liaison between SN and the City, should any issues or concerns arise regarding SN's relocation.

2.2.3 System Benchmarking

FE will supervise the benchmarking process developed during the planning phase. This may include limited radio coverage drive testing and radio network measurements to benchmark the signal strength and current performance of the system utilizing existing frequencies. This benchmark study will include the development of the necessary documentation required to represent the test results.

Additionally, ***FE*** will supervise the benchmarking of the performance of the infrastructure equipment through the recording of power output and receiver sensitivity measurements on each channel at each site prior to any system reconfiguration.

Based upon this system benchmarking, ***FE*** will refine the preliminary acceptance test plan (ATP). The final ATP will be finalized during the contract negotiations with SN.

2.2.4 City Relocates to New Frequencies

During this step, all activities necessary to reconfigure the user equipment and the infrastructure facilities as well as any other associated changes will be completed. ***FE*** will provide Program Management services for this process to ensure that the activities defined in the SOW are carried out in a timely and cost effective manner. ***FE*** will work to assure that all entities involved in the process adhere to the schedule as it is defined.

FE will review all of the fleet-map and talk-group configurations required to assure proper system

operation on the reconfigured channels.

FE will be available to log user feedback, and to interact with any parties requiring assistance or information during this process. All third party vendors will complete their work during this period and users will be trained on any system changes caused by the reconfiguration.

2.2.5 Sprint Nextel Makes Payments for Reconfiguration

During the contract negotiation with SN, a payment plan will be drafted. ***FE*** will assist the City in working with SN to ensure that SN adheres to this payment plan and that all reimbursable costs are included. SN will remit payments to the City and/or directly to ***FE*** and other selected vendor(s) involved with the 800 MHz system reconfiguration in accordance with the arrangements and schedule in the contract negotiated with SN. This payment plan may or may not be incremental, and may either precede, coincide with, or follow the activities of the implementation phase. The details will be finalized during contract negotiation.

2.2.6 Acceptance Testing

As per the Acceptance Test Plan (ATP) finalized during contract negotiations, all necessary steps to determine system/equipment performance will be completed during this period. Performance measurement of any new or modified transmission equipment may also be performed during this time. ***FE*** will perform any system benchmarking necessary to ascertain system performance, and will compare those results with the previous equipment measurements and other tools, such as computer models, as required. ***FE*** will verify that the newly configured systems meet the requirements of the acceptance tests, and in the event that certain systems do not, ***FE*** will provide data as to how they failed.

2.2.7 Channel Surrender Applications are filed with FCC

Once the equipment/systems have been reconfigured and proper operation has been verified, the City will be required to notify SN that the activities have been completed. At that time, the City will be required to surrender any licensed frequencies no longer in use to the FCC. ***FE*** will assist the City in notifying the FCC of the vacating of these frequencies, and assist in the drafting of any documents necessary to accomplish this task.

2.2.8 City and Sprint Nextel Certify Completion

Once each of the previous steps has been completed, SN and the City will meet in a "Closing" process that will signify the successful completion of the reconfiguration. At this time, all documents showing incurred costs to the City will be presented and a final tabulation of the City's expenses will be made. ***FE*** will assist the City in compiling these costs and associated documents so that an accurate total can be determined. This total will be used in a "true-up" process between the City and SN. If either entity is due money, payments will be arranged to account for the difference.

2.2.9 City completes other FCC Filings

After agreements have been reached between the City and SN and the reconfiguration process has been certified as complete, there are two remaining documents that the City must submit to the FCC to fully complete the process:

1. A Certificate of Construction must be filed anytime a licensee begins broadcasting on a newly licensed frequency. ***FE*** will assist the City in the drafting of this document and ensure that is properly submitted. Any costs associated with the drafting of this document will be estimated before beginning negotiations with SN and shall be discussed in those negotiations.
2. The second document to be filed is the responsibility of SN and pertains to SN receiving new

frequencies as part of the reconfiguration. ***FE*** will follow up with SN to confirm that this has been filed.

3.0 DELIVERABLES / MILESTONES

Federal Engineering will complete Phase One (Planning and Negotiations) of this SOW in accordance with the following tentative schedule assuming contract execution and notice to proceed is received no later than September 15, 2013.

Task/Deliverable	Tentative Completion Date
Develop Request for Planning Funding (RFPF)	9/23/2013
Submit RFPF to Transition Administrator	9/23/2013
TA initial review of RFPF	10/15/2013
TA forwards RFPF to (SN)	10/15/2013
SN reviews RFPF	11/5/2013
PFA negotiations	1/29/2014
PFA finalized	1/29/2014
Project Mobilization	3/12/2014
Formal Project Kick Off Meeting	3/12/2014
Review current inventories	5/7/2014
Frequency Analysis	5/7/2014
Prepare reconfiguration inventory reports	5/7/2014
Engineering planning	5/7/2014
Preparation of Reconfiguration Estimate	5/7/2014
Reconfiguration Estimate Complete	5/7/2014
Frequency Reconfiguration Agreement (FRA) Negotiations	7/2/2014
FRA Finalized	7/2/2014

NOTE: This tentative schedule is subject to change and is likely to be modified based on the TA and SN's review and acceptance of the Planning Funding request. All milestones after negotiation may shift according to the contract that is signed with SN.

Schedules for Phase Two (Reconfiguration Implementation) will be determined during the planning process.

3.0 STAFFING AND PROGRAM ORGANIZATION

FE will devote the required engineering and management resources toward the goal of completing this project on schedule and in accordance with this SOW. ***FE*** employees have participated in many utility mobile radio projects and several have served with agencies directly involved in providing utility related services.

Based upon his unique combination of technical and managerial skills Mr. Bradley R. Barber, Senior Consultant, will serve as the Program Manager. Mr. Barber has over 25 years of experience in wireless communications systems and project management. His background includes the implementation and management of advanced public safety and commercial wireless communications networks as well as the operation of enterprise activities in commercial, utility and governmental environments. Since joining Federal Engineering, Mr. Barber has been managed several major planning and consulting efforts including the support of the 800 MHz rebanding efforts in Florida, Georgia, North Carolina and Virginia.

4.0 COSTS

The estimated cost, payable by SN, for Phase One (See Section 2.1) of this SOW is $154,420 that includes labor, travel, and other direct costs as detailed below.

Planning Cost Category	*FE* Costs
Program Management	$67,040
Engineering & Implementation Planning	$34,680
System Inventory	$17,680
Frequency Analysis	$35,020
Total	**$154,420**

FE will invoice SN (with approval from City) as follows:

Milestone	***FE* Invoice**
Execution of PFA	$77,210
Planning kick off meeting	$38,605
Submission of FRA cost estimate	$38,605
Total	**$154,420**

The costs for Phase Two (See Section 2.2) will be determined at the end of Phase One. At that time, a new SOW will be developed and approved in writing by both Federal Engineering and City.

5.0 ASSUMPTIONS AND CONSTRAINTS

1. This SOW assumes Federal Engineering, Inc. will complete of all of the tasks as called out in Section 2.1. The deletion of a task or significant change in scope of one or more tasks may affect the overall price.

2. This preliminary statement of work including tasks, deliverables, schedule, and costs are subject to change as the result of negotiations between the City and SN as well as the TA. Changes may also occur as a result of the TA mandated "true-up" process at the end of each phase of the program.

3. This SOW assumes that the City Project Manager will schedule meetings, notify attendees, arrange for on-site visits, facilitate the inventory process, duplicate documents and distribute the documents to participants. This proposal also assumes that City will, at no cost to ***FE***, make an office available for the use of ***FE*** consultants while on-site during this project including:

    - Customary office arrangements and supplies
    - Connection to the Internet and email access
    - Local telephone service with voice mail
    - Access to conference rooms as needed

- Access to secretarial support for messages and other administrative support

Locating FE consultants in a City provided office while they are in town is for the convenience of City personnel and to facilitate a close working relationship with all agencies/individuals involved with the reconfiguration process.

4. ***FE***'s ability to fulfill this task depends, in part, on the willingness and ability of the City, SN, the Transition Administrator, the FCC, equipment vendors, service providers, third parties, and others to provide information in a timely manner, and upon the accuracy of the information as supplied. The accuracy of input data, whether provided in electronic or hard copy form, and the recommendations, actions, system designs, procurements, and bidder actions resulting there from cannot, therefore, be warranted by ***FE*** nor can the performance, suitability, or reliability of said systems be warranted by ***FE***.

5. Phase One (See Section 2.1) of this SOW is based upon 10 person-trips to the El Paso, Texas area and assumes a maximum of 201 days from notice to proceed to the completion of the last milestone. Delays to the program schedule due to actions or lack of actions on the part of the City, SN, the Transition Administrator, the FCC, third parties, and others including but not limited to vendor protests and protracted contract negotiations may impact the program schedule and/or costs to the City and will be brought to the attention of the City Project Manager in a timely manner.

6. Federal Engineering acknowledges that SN is solely responsible for payments due to ***FE*** as part of this SOW and that such payments will be governed by the terms and conditions to be described in the City Planning Funding Agreement (PFA) and Frequency Reconfiguration Agreement (FRA). These documents will authorize milestone payments to be issued directly from SN to ***FE*** upon the receipt of ***FE*** invoices for services and approval of the associated costs by City. City shall cooperate with ***FE*** in obtaining reimbursements for expenses pursuant to the FCC settlement. Federal Engineering reserves the right to suspend activities in support of this SOW should milestone payments not be received when due and will resume activities once the proper milestone payments have been received. The restart of work may result in additional costs. City is under no obligation to incur costs for the planning of 800 MHz rebanding reconfiguration beyond the tasks included in this SOW unless such arrangements are mutually agreed to by City and ***FE***.

Submitted by ***FE***:

Ronald F. Bosco

Ronald F. Bosco, President
August 26, 2013

Authorization to begin work by the **City**:

_____
(Signature)

_____
(Printed name and title)

_____
(Date)

Table 1 – El Paso 800 MHz Frequencies Requiring Reconfiguration

Call Sign	Base Station Freq MHz	Class Station Code	Loc	Post Reconfig Category	Reconfiguration Action
WPDI992	856.0500	FB2	2	Subject to International Agreement	Subject to International Agreement
WPDI992	856.0500	FB2	3	Subject to International Agreement	Subject to International Agreement
WPDI992	856.0500	FB2	4	Subject to International Agreement	Subject to International Agreement
WPDI992	856.0500	FB2	5	Subject to International Agreement	Subject to International Agreement
WPDI992	856.0500	FB2	7	Subject to International Agreement	Subject to International Agreement
WPDI992	856.1000	FB2	2	Subject to International Agreement	Subject to International Agreement
WPDI992	856.1000	FB2	3	Subject to International Agreement	Subject to International Agreement
WPDI992	856.1000	FB2	4	Subject to International Agreement	Subject to International Agreement
WPDI992	856.1000	FB2	5	Subject to International Agreement	Subject to International Agreement
WPDI992	856.1000	FB2	7	Subject to International Agreement	Subject to International Agreement
WPDI992	856.1500	FB2	2	Subject to International Agreement	Subject to International Agreement
WPDI992	856.1500	FB2	3	Subject to International Agreement	Subject to International Agreement

Call Sign	Base Station Freq MHz	Class Station Code	Loc	Post Reconfig Category	Reconfiguration Action
WPDI992	856.1500	FB2	4	Subject to International Agreement	Subject to International Agreement
WPDI992	856.1500	FB2	5	Subject to International Agreement	Subject to International Agreement
WPDI992	856.1500	FB2	7	Subject to International Agreement	Subject to International Agreement
WPDI992	856.2000	FB2	2	Subject to International Agreement	Subject to International Agreement
WPDI992	856.2000	FB2	3	Subject to International Agreement	Subject to International Agreement
WPDI992	856.2000	FB2	4	Subject to International Agreement	Subject to International Agreement
WPDI992	856.2000	FB2	5	Subject to International Agreement	Subject to International Agreement
WPDI992	856.2000	FB2	7	Subject to International Agreement	Subject to International Agreement
WPDI992	856.2500	FB2	2	Subject to International Agreement	Subject to International Agreement
WPDI992	856.2500	FB2	3	Subject to International Agreement	Subject to International Agreement
WPDI992	856.2500	FB2	4	Subject to International Agreement	Subject to International Agreement
WPDI992	856.2500	FB2	5	Subject to International Agreement	Subject to International Agreement
WPDI992	856.2500	FB2	7	Subject to International Agreement	Subject to International Agreement

Call Sign	Base Station Freq MHz	Class Station Code	Loc	Post Reconfig Category	Reconfiguration Action
WPDI992	857.0500	FB2	2	Subject to International Agreement	Subject to International Agreement
WPDI992	857.0500	FB2	3	Subject to International Agreement	Subject to International Agreement
WPDI992	857.0500	FB2	4	Subject to International Agreement	Subject to International Agreement
WPDI992	857.0500	FB2	5	Subject to International Agreement	Subject to International Agreement
WPDI992	857.0500	FB2	7	Subject to International Agreement	Subject to International Agreement
WPDI992	857.1000	FB2	2	Subject to International Agreement	Subject to International Agreement
WPDI992	857.1000	FB2	3	Subject to International Agreement	Subject to International Agreement
WPDI992	857.1000	FB2	4	Subject to International Agreement	Subject to International Agreement
WPDI992	857.1000	FB2	5	Subject to International Agreement	Subject to International Agreement
WPDI992	857.1000	FB2	7	Subject to International Agreement	Subject to International Agreement
WPDI992	857.1500	FB2	2	Subject to International Agreement	Subject to International Agreement
WPDI992	857.1500	FB2	3	Subject to International Agreement	Subject to International Agreement
WPDI992	857.1500	FB2	4	Subject to International Agreement	Subject to International Agreement

Call Sign	Base Station Freq MHz	Class Station Code	Loc	Post Reconfig Category	Reconfiguration Action
WPDI992	857.1500	FB2	5	Subject to International Agreement	Subject to International Agreement
WPDI992	857.1500	FB2	7	Subject to International Agreement	Subject to International Agreement
WPDI992	857.2000	FB2	2	Subject to International Agreement	Subject to International Agreement
WPDI992	857.2000	FB2	3	Subject to International Agreement	Subject to International Agreement
WPDI992	857.2000	FB2	4	Subject to International Agreement	Subject to International Agreement
WPDI992	857.2000	FB2	5	Subject to International Agreement	Subject to International Agreement
WPDI992	857.2000	FB2	7	Subject to International Agreement	Subject to International Agreement
WPDI992	857.2500	FB2	2	Subject to International Agreement	Subject to International Agreement
WPDI992	857.2500	FB2	3	Subject to International Agreement	Subject to International Agreement
WPDI992	857.2500	FB2	4	Subject to International Agreement	Subject to International Agreement
WPDI992	857.2500	FB2	5	Subject to International Agreement	Subject to International Agreement
WPDI992	857.2500	FB2	7	Subject to International Agreement	Subject to International Agreement
WPDI992	858.0500	FB2	2	Subject to International Agreement	Subject to International Agreement

Call Sign	Base Station Freq MHz	Class Station Code	Loc	Post Reconfig Category	Reconfiguration Action
WPDI992	858.0500	FB2	3	Subject to International Agreement	Subject to International Agreement
WPDI992	858.0500	FB2	4	Subject to International Agreement	Subject to International Agreement
WPDI992	858.0500	FB2	5	Subject to International Agreement	Subject to International Agreement
WPDI992	858.0500	FB2	7	Subject to International Agreement	Subject to International Agreement
WPDI992	858.1000	FB2	2	Subject to International Agreement	Subject to International Agreement
WPDI992	858.1000	FB2	3	Subject to International Agreement	Subject to International Agreement
WPDI992	858.1000	FB2	4	Subject to International Agreement	Subject to International Agreement
WPDI992	858.1000	FB2	5	Subject to International Agreement	Subject to International Agreement
WPDI992	858.1000	FB2	7	Subject to International Agreement	Subject to International Agreement
WPDI992	858.1500	FB2	2	Subject to International Agreement	Subject to International Agreement
WPDI992	858.1500	FB2	3	Subject to International Agreement	Subject to International Agreement
WPDI992	858.1500	FB2	4	Subject to International Agreement	Subject to International Agreement

Call Sign	Base Station Freq MHz	Class Station Code	Loc	Post Reconfig Category	Reconfiguration Action
WPDI992	858.1500	FB2	5	Subject to International Agreement	Subject to International Agreement
WPDI992	858.1500	FB2	7	Subject to International Agreement	Subject to International Agreement
WPDI992	858.2000	FB2	2	Subject to International Agreement	Subject to International Agreement
WPDI992	858.2000	FB2	3	Subject to International Agreement	Subject to International Agreement
WPDI992	858.2000	FB2	4	Subject to International Agreement	Subject to International Agreement
WPDI992	858.2000	FB2	5	Subject to International Agreement	Subject to International Agreement
WPDI992	858.2000	FB2	7	Subject to International Agreement	Subject to International Agreement
WPDI992	858.2500	FB2	2	Subject to International Agreement	Subject to International Agreement
WPDI992	858.2500	FB2	3	Subject to International Agreement	Subject to International Agreement
WPDI992	858.2500	FB2	4	Subject to International Agreement	Subject to International Agreement
WPDI992	858.2500	FB2	5	Subject to International Agreement	Subject to International Agreement
WPDI992	858.2500	FB2	7	Subject to International Agreement	Subject to International Agreement
WPDI992	859.0500	FB2	2	Subject to International Agreement	Subject to International Agreement

Call Sign	Base Station Freq MHz	Class Station Code	Loc	Post Reconfig Category	Reconfiguration Action
WPDI992	859.0500	FB2	3	Subject to International Agreement	Subject to International Agreement
WPDI992	859.0500	FB2	4	Subject to International Agreement	Subject to International Agreement
WPDI992	859.0500	FB2	5	Subject to International Agreement	Subject to International Agreement
WPDI992	859.0500	FB2	7	Subject to International Agreement	Subject to International Agreement
WPDI992	859.1000	FB2	2	Subject to International Agreement	Subject to International Agreement
WPDI992	859.1000	FB2	3	Subject to International Agreement	Subject to International Agreement
WPDI992	859.1000	FB2	4	Subject to International Agreement	Subject to International Agreement
WPDI992	859.1000	FB2	5	Subject to International Agreement	Subject to International Agreement
WPDI992	859.1000	FB2	7	Subject to International Agreement	Subject to International Agreement
WPDI992	859.1500	FB2	2	Subject to International Agreement	Subject to International Agreement
WPDI992	859.1500	FB2	3	Subject to International Agreement	Subject to International Agreement
WPDI992	859.1500	FB2	4	Subject to International Agreement	Subject to International Agreement

Call Sign	Base Station Freq MHz	Class Station Code	Loc	Post Reconfig Category	Reconfiguration Action
WPDI992	859.1500	FB2	5	Subject to International Agreement	Subject to International Agreement
WPDI992	859.1500	FB2	7	Subject to International Agreement	Subject to International Agreement
WPDI992	859.2000	FB2	2	Subject to International Agreement	Subject to International Agreement
WPDI992	859.2000	FB2	3	Subject to International Agreement	Subject to International Agreement
WPDI992	859.2000	FB2	4	Subject to International Agreement	Subject to International Agreement
WPDI992	859.2000	FB2	5	Subject to International Agreement	Subject to International Agreement
WPDI992	859.2000	FB2	7	Subject to International Agreement	Subject to International Agreement
WPDI992	859.2500	FB2	2	Subject to International Agreement	Subject to International Agreement
WPDI992	859.2500	FB2	3	Subject to International Agreement	Subject to International Agreement
WPDI992	859.2500	FB2	4	Subject to International Agreement	Subject to International Agreement
WPDI992	859.2500	FB2	5	Subject to International Agreement	Subject to International Agreement
WPDI992	859.2500	FB2	7	Subject to International Agreement	Subject to International Agreement
WPDI992	860.0500	FB2	2	Subject to International Agreement	Subject to International Agreement

Call Sign	Base Station Freq MHz	Class Station Code	Loc	Post Reconfig Category	Reconfiguration Action
WPDI992	860.0500	FB2	3	Subject to International Agreement	Subject to International Agreement
WPDI992	860.0500	FB2	4	Subject to International Agreement	Subject to International Agreement
WPDI992	860.0500	FB2	5	Subject to International Agreement	Subject to International Agreement
WPDI992	860.0500	FB2	7	Subject to International Agreement	Subject to International Agreement
WPDI992	860.1000	FB2	2	Subject to International Agreement	Subject to International Agreement
WPDI992	860.1000	FB2	3	Subject to International Agreement	Subject to International Agreement
WPDI992	860.1000	FB2	4	Subject to International Agreement	Subject to International Agreement
WPDI992	860.1000	FB2	5	Subject to International Agreement	Subject to International Agreement
WPDI992	860.1000	FB2	7	Subject to International Agreement	Subject to International Agreement
WPDI992	860.1500	FB2	2	Subject to International Agreement	Subject to International Agreement
WPDI992	860.1500	FB2	3	Subject to International Agreement	Subject to International Agreement
WPDI992	860.1500	FB2	4	Subject to International Agreement	Subject to International Agreement

Call Sign	Base Station Freq MHz	Class Station Code	Loc	Post Reconfig Category	Reconfiguration Action
WPDI992	860.1500	FB2	5	Subject to International Agreement	Subject to International Agreement
WPDI992	860.1500	FB2	7	Subject to International Agreement	Subject to International Agreement
WPDI992	860.2000	FB2	2	Subject to International Agreement	Subject to International Agreement
WPDI992	860.2000	FB2	3	Subject to International Agreement	Subject to International Agreement
WPDI992	860.2000	FB2	4	Subject to International Agreement	Subject to International Agreement
WPDI992	860.2000	FB2	5	Subject to International Agreement	Subject to International Agreement
WPDI992	860.2000	FB2	7	Subject to International Agreement	Subject to International Agreement
WPDI992	860.2500	FB2	2	Subject to International Agreement	Subject to International Agreement
WPDI992	860.2500	FB2	3	Subject to International Agreement	Subject to International Agreement
WPDI992	860.2500	FB2	4	Subject to International Agreement	Subject to International Agreement
WPDI992	860.2500	FB2	5	Subject to International Agreement	Subject to International Agreement
WPDI992	860.2500	FB2	7	Subject to International Agreement	Subject to International Agreement
WPFZ576	856.225	FB2	1	Subject to International Agreement	Subject to International Agreement

Attachment B

FEDERAL ENGINEERING LONG-TERM CONSULTING RATES

Effective August 28, 2013 through December 31, 2014

Project Labor Category	GSA Labor Category	Project Rate
Director	Director/Chief Consultant	$200.00
Program Manager	Project Manager	$170.00
Project Manager	Project Manager	$170.00
Technical Lead	Senior Communication Systems Engineer	$170.00
Senior Consultant	Senior Systems Engineer II	$170.00

The above rates are Federal Engineering staff labor rates. Rates for any subcontractors or affiliates may be different and will be submitted to the City for approval.

TERMS AND CONDITIONS

1. Long-term rates do not include state or local taxes.
2. Invoices will be rendered monthly. All invoices are due and payable 30 days from issuance.
3. Late balances are subject to a finance charge of 1.5 percent per month (or fraction thereof).

El Paso Metropolitan Statistical Area Communications System

City of El Paso
ENGINEERING
and Construction Management

September 24, 2013

Background

- In July 2004, the Federal Communications Commission (FCC) adopted a staged plan to reorganize the 800 MHz band in order to minimize interference to public safety radio systems caused by commercial wireless systems.

- The City's original agreement (August, 2011) with Federal Engineering provided an evaluation of the City's existing public safety communication system

- The first amendment (May, 2012) allowed for the design, procurement and support services for the City in the following areas:

1) Radio system procurement and implementation consulting support
2) Sheriff's Office public safety VHF radio system evaluation
3) Evaluation of the automated dispatch and fire station alerting system
4) General public safety radio system on-call consulting support

Background (Cont.)

- The second amendment (December 2012) added additional services for consulting and technical support during procurement and implementation of a new VHF P-25 radio system for the Sheriff's Office. The major tasks under this amendment were:

    1. Radio System Procurement Support
    2. Project Management Support During Implementation
    3. On-Call Technical Support Services Tasking

Scope

- **The third amendment will add additional services for the planning and reconfiguration support required as a result of the April 1, 2013 adoption by the Federal Communication Commission and the Homeland Security Bureau of a reconfiguration channel plan for the 800 MHz band along the U.S.-Mexico border.**

Contract Information

Original Contract Amount:	$200,000.00
1st Amendment Amount:	$258,800.55
2nd Amendment Amount:	$151,000.00
3rd Amendment Amount:	$154,420.00
Total Contract Value	$764,220.55

3rd Amendment Value: $154,420.00

Funding Information:

- **The Federal Communications Commission (FCC) 800 MHz Report and Order (FCC 04-168)1 requires that Sprint Nextel provide funds for affected public safety agencies to reconfigure their systems.**

Questions/Comments