

FORM APPROVED COUNTY COUNSEL  
 BY: GREGORY P. PRIAMOS DATE

**SUBMITTAL TO THE BOARD OF SUPERVISORS  
 COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

155



**SUBMITTAL DATE:**  
 August 11, 2016

**FROM:** Riverside County Information Technology (RCIT) - PSEC

**SUBJECT:** Approval of the Fourth Amendment to the Sprint Nextel Rebanding Frequency Reconfiguration Agreement, All Districts [\$0]

**RECOMMENDED MOTION:** That the Board of Supervisors:

1. Approve and execute the fourth amendment to the Frequency Reconfiguration Agreement between the County of Riverside, Sprint Nextel of California, Inc., and Motorola Solutions; and
2. Authorize the Chief Information Officer to sign amendments that do not change the substantive terms of the agreement, as approved by County Counsel.

**BACKGROUND:**

Summary

Approval of this agreement amendment will result in a \$275,000 reimbursement to the county. Approval also results in our acceptance of Sprint Nextel's proposal to reimburse the County for the subscriber reconfiguration to add National Public Safety Planning Advisory Committee (NPSPAC) and State mutual aid channels to the fleet and for associated project management costs. The reimbursement will be applied to the PSEC Project.

*[Signature]*  
 Dave Rogers, CTO, on behalf of:  
 Steve Reneker  
 Chief Information Officer

FINANCIAL DATA	Current Fiscal Year:	Next Fiscal Year:	Total Cost:	Ongoing Cost:	POLICY/CONSENT (per Exec. Office)
COST	\$ 0	\$ 0	\$ 0	\$ 0	Consent <input type="checkbox"/> Policy <input checked="" type="checkbox"/>
NET COUNTY COST	\$ 0	\$ 0	\$ 0	\$ 0	

**SOURCE OF FUNDS:** Budget Adjustment: No  
 For Fiscal Year: 16/17

**C.E.O. RECOMMENDATION:**

APPROVE

BY: *[Signature]*  
 Jennifer J. Sargent

County Executive Office Signature

**MINUTES OF THE BOARD OF SUPERVISORS**

- A-30
- Positions Added
- 4/5
- Change Order
- Vote

Prev. Agn. Ref.: 2/15/11 3-36;  
 3/25/14 3-21; 04/28/15 3-27; 6/2/15  
 3-22

District: ALL

Agenda Number:

3-23

**BACKGROUND:**

**Summary (continued)**

Under the original FRA, the County originally agreed to be responsible for the reconfiguration of the subscriber equipment to add the NPSPAC and state mutual aid channels. This was done because we believed the timeline of the Public Safety Enterprise Communication (PSEC) project and the Rebanding project timeline would coincide and the equipment could be programmed at one time. However, with the delay of the Rebanding project timeline, the County is now required to conduct the programming specifically for this task. Because of this, the County requested a change request from Sprint, and Sprint approved the County's request.

Under the terms of the fourth amendment, the County will be reimbursed for the labor and project management costs to reconfigure 5,000 subscriber radios with NPSPAC and State Mutual Aid channels. The County agrees to be solely responsible for the second reconfiguration of radios, in which frequencies no longer used will be removed from the subscriber equipment. The County agrees that Nextel will not be responsible for reimbursement costs associated with this work.

During the multi-year PSEC project, the Federal Communication Commission (FCC) mandated rebanding of 800 MHz frequencies due to interference from Sprint Nextel commercial radio transmitter sites. The FCC further discovered limitations of the 800 MHz spectrum and advised PSEC to reengineer and redesign the new radio system using the 700 MHz frequency band. These changes required additional design expenditures and made some of our radio equipment obsolete. It was the FCC's decision to obligate Sprint Nextel to pay for the reengineering and new equipment expenses.

The Board of Supervisors approved the Sprint Nextel frequency reconfiguration agreement on February 15, 2011 (item 3-36), the first amendment on March 25, 2014 (item 3-21), the second amendment on April 28, 2015 (item 3-27), and the third amendment on June 2, 2015 (Item 3-22). This is the fourth amendment to the frequency reconfiguration agreement. No further amendments are expected.

**Impact on Residents and Businesses**

The acceptance and collection of funds resulting from the FCC's direction is in the interest of the citizens of Riverside County. This will enable the PSEC team to add essential frequencies in the subscriber equipment. The surrounding counties are expected to cut over to the new channels eventually, so having both channels programmed will enable public safety agencies to communicate with all participants on the interoperability channels. The PSEC radio system is a key tool for all public safety first responders across all regions of the county.

**AMENDMENT NUMBER FOUR TO FREQUENCY RECONFIGURATION AGREEMENT**

**THIS AMENDMENT #4** shall amend and revise that certain Frequency Reconfiguration Agreement (the "Agreement") executed on March 7, 2011, as amended, by and between the **County of Riverside ("Incumbent")**, located in the state of California, and **Nextel of California, Inc.**, a wholly owned indirect subsidiary of Sprint Corporation, a Delaware corporation ("Nextel"). Nextel and Incumbent may be referred to collectively in this Agreement as the "Parties."

**NOW, THEREFORE**, for good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, the Parties, in accordance with the provisions of Section 25 of the Agreement, hereby agree to amend and revise the Agreement as follows:

1. That Schedule C-3 is hereby deleted and is replaced with Schedule C-4, which is attached hereto and incorporated by reference herein.
2. The Parties hereby agree that Incumbent will complete the first subscriber touch no later than March 31, 2017. Incumbent will complete the second subscriber touch at its convenience, and in no way will Nextel be responsible for any costs associated with the second subscriber touch. Furthermore, the Parties agree that Nextel will not be responsible for any additional costs associated with any subscriber touch, other than what is outlined in this Amendment.
3. Except as set forth above, this Amendment makes no other revisions or amendments to the Agreement or modifies or waives any of the rights or obligations of the Incumbent or Nextel.
4. In the event of any inconsistencies between the terms and conditions contained in the Agreement and the terms and conditions contained herein, the terms and conditions contained herein shall control.

In WITNESS WHEREOF, the Parties hereto, intending to be legally bound, have duly executed this Amendment #4 as of this \_\_\_\_\_ day of \_\_\_\_\_ 2016.

**INCUMBENT:**

**NEXTEL:**

**County of Riverside, California**

**Nextel of California, Inc.**

By: \_\_\_\_\_

By: 

Name: \_\_\_\_\_

Name: Patricia C. Tikka

Title: \_\_\_\_\_

Title: VP Spectrum

FORM APPROVED COUNTY COUNSEL

BY: 

DATE

**SCHEDULE C - 4****800 MHZ RECONFIGURATION****COST ESTIMATE - CERTIFIED REQUEST****Request for Reconfiguration Funding**

**Incumbent's Name:** **Riverside, County of, CA PH II**

Pursuant to the Order, Incumbent is required to reconfigure its existing facilities and requests Nextel to fund the estimated reconfiguration costs included below:

**Incumbent Payment Terms:** Nextel will pay Incumbent an amount not to exceed the Estimated Cost(s) for Incumbent with respect to each category of work, as set forth below. Nextel will pay Incumbent \$3,057,805.11 within 15 days (30 days if Incumbent elects to be paid by check rather than electronic funds transfer) after receipt by Nextel of the fully executed Agreement and fully completed Incumbent Information Form (as set forth on Exhibit A). With respect to this Amendment #2, Nextel will pay Incumbent \$2,887,728.79 within 15 days (30 days if Incumbent elects to be paid by check rather than electronic funds transfer) after the following conditions have been met: (A) receipt by Nextel of the fully executed Amendment #2, and (B) receipt and approval by Nextel of the supporting documentation for all Actual Costs associated with the Agreement, Amendment #1 and Amendment #2. Nextel will pay any outstanding balance of the Actual Costs due to Incumbent within 30 days after the Reconciliation Date (as "Actual Costs" and "Reconciliation Date" are defined in Section 3(b)(i)).

**Vendor Payment Terms:** Nextel will pay each Vendor an amount not to exceed the Estimated Cost(s) for that Vendor with respect to each category of work, as set forth below. Nextel will pay each Vendor within 30 days after receipt by Nextel of (A) an invoice from the Vendor and (B) Incumbent's approval of receipt of goods and services and approval of associated costs included on the Vendor invoice.

- 1. System Description:** Riverside County operates an M/A-COM EDACS, 89 site system, on the Effective Date. The PSEC System is currently in the implementation phase and that will replace the Incumbent's existing system. The Incumbent originally anticipated operation of the PSEC System as an 800 MHz system (with the Alternative System planned to replace the existing 800 MHz system) that would be operational in 2010. This Cost Estimate includes the Ordinary Reconfiguration of the Education Channel and national mutual aid channels that Incumbent operates, and the 700 MHz Conversion Cost for the PSEC System and interleaved conventional 800 MHz channels referenced in recital E of the Agreement. Riverside also operates a 8 site 26 channel NPSPAC MA system.

**Riverside County constructed MA sites and channels**

WPIT741	WQFU679	WQFU679	WPIT739	WQFU679	WQFU679	WQFU679	WQFU679
Box Springs	Elsinore Peak	Mt. David	Whitewater	Santa Rosa	Chuckwalla	Big Maria	Indio Hill
800 CLEMARS	800 CLEMARS	800 CLEMARS	800 CLEMARS	800 CLEMARS	800 CLEMARS	800 CLEMARS	800 CLEMARS
800 I-CALL	800 I-CALL	800 I-CALL	800 I-CALL	800 I-CALL	800 I-CALL	800 I-CALL	800 I-CALL
800 I-TAC 4	800 I-TAC 1	800 I-TAC 2	800 I-TAC 2	800 I-TAC 3	800 I-TAC 4	800 I-TAC 4	800 I-TAC 3
800 I-TAC1							
FIREMARS							

**Riverside County licensed MA sites and channels**

Call sign	WPIT739	WPIT740	WPIT741	WPIT742	WPIT743	WQFU679	WQCC827
Loc Qty	1	1	1	1	1	6	1
Loc Ch Qty	7 (5 NPSPAC MA & 2 CA MA)	1 (CLEMARS)	7 (5 NPSPAC MA & 2 CA MA)	7 (5 NPSPAC MA & 2 CA MA)	7 (5 NPSPAC MA & 2 CA MA)	7 (all loc's: 5 NPSPAC MA & 2 CA MA)	4 (ICALL; TAC1; CLEMARS; FIREMARS)

800 CLEMARS	868.5125MHz
FIREMARS	868.9875
800 I-CALL	866.0125
800 I-TAC1	866.5125
800 I-TAC2	867.0125
800 I-TAC3	867.5125
800 I-TAC4	868.0125

The major system elements to be reconfigured are summarized in the table below:

	Total In System	Total Included in FRA
Base station frequencies	669	669
- Voice channels	669	669
- Home/Control channels	67	67
Repeater sites	89	89
Other sites (remote recv, BDA)	0	0
Subscriber units retuned	0	0
Subscriber units reprogrammed	3329	3329
Subscriber units replaced	2185	2185
Subscriber units rebanded total	5514	5514
Entities operating on the system	0	0

**2. Reconfiguration Milestones:** Identify the anticipated start date of the overall reconfiguration of your system (Project Start). Then, for each major reconfiguration milestone listed in the table below, provide (1) the anticipated number of days after project start date required to begin execution of the task identified, and (2) the estimated duration in number of days required to complete the task identified. As an FRA is negotiated, it is not always possible to know an actual start date for specific reconfiguration tasks. In such a case, it is acceptable to forecast an estimated start date from execution of the FRA (i.e., "contract execution + xx days") and estimate the duration of each task.

Reconfiguration Task	Start Date	# of Days After Project Start Date for Start of Task	Estimated Duration in # of Days
Project Start	Completed		
Reconfiguration Planning			Completed
Reconfigure Subscriber Equipment			No Later than March 31, 2017
Reconfigure Infrastructure Equipment			BTBs on air
System Acceptance			5

The Parties hereby agree that Incumbent will complete the first subscriber touch no later than November 30, 2016. Incumbent will complete the second subscriber touch at its convenience, and in no way will Nextel be responsible for any costs associated with the second subscriber touch. Furthermore, the Parties agree that Nextel will not be responsible for any additional costs associated with any subscriber touch, other than what is outlined in this Amendment.

**3. Implementation Plan:** See cost estimate

**4. Cost Estimate:**

Description of Work To Be Performed	Payee(separately identify Incumbent and each Vendor being paid for work performed)	Estimated Cost(s) for Incumbent and Each Vendor (Not to Exceed listed amount)
<p><b>I. Subscriber Equipment Reconfiguration</b> Education Conventional:</p> <ul style="list-style-type: none"> <li>• Connect Wireless - GTX 800 BASE (6 @ \$50.00 /unit = \$300.00)</li> <li>• Connect Wireless - MTX850 LS PORTABLE (1 @ \$50.00 /unit = \$50.00)</li> <li>• Connect Wireless - RPROGRAM BUS RADIOS TO NEW FREQUENCY - TK980 (113 @ \$50.00 /unit = \$5,650.00)</li> </ul>	(Incumbent) Riverside County	\$6,000.00
<p><b>II. Infrastructure Equipment Reconfiguration</b> <b>a. Infrastructure Equipment Reconfiguration Services</b> ITAC Conventional:</p> <ul style="list-style-type: none"> <li>• SW Jail, French Valley (1 @ \$564.79 /unit = \$564.79)</li> <li>• Blythe Jail, Blythe (1 @ \$391.01 /unit = \$391.01)</li> <li>• RPDC, Riverside (1 @ \$434.45 /unit = \$434.45)</li> <li>• SFC, Banning (1 @ \$564.79 /unit = \$564.79)</li> <li>• Indio Jail, Indio (1 @ \$304.12 /unit = \$304.12)</li> <li>• SW Court, French Valley (1 @ \$564.79 /unit = \$564.79)</li> <li>• Indio Court, Indio (1 @ \$304.12 /unit =</li> </ul>	(Incumbent) Riverside County	\$15,853.39

<p>\$304.12)</p> <ul style="list-style-type: none"> <li>● FireMARS, BoxSprings Riverside (1 @ \$391.01 /unit = \$391.01)</li> <li>● Norco Conv, Pleasant Peak (1 @ \$564.79 /unit = \$564.79)</li> <li>● Jurupa Conv, Jurupa Statio (1 @ \$477.90 /unit = \$477.90)</li> <li>● Box Springs (1 @ \$1,045.12 /unit = \$1,045.12)</li> <li>● Elsinore Peak (1 @ \$1,088.58 /unit = \$1,088.58)</li> <li>● Mt David (1 @ \$1,088.58 /unit = \$1,088.58)</li> <li>● Santa Rose Peak (1 @ \$1,515.02 /unit = \$1,515.02)</li> <li>● Chuckawalla (1 @ \$1,349.25 /unit = \$1,349.25)</li> <li>● Cactus City (1 @ \$1,001.69 /unit = \$1,001.69)</li> <li>● Whitewater (1 @ \$1,088.58 /unit = \$1,088.58)</li> <li>● Big Maria (1 @ \$914.80 /unit = \$914.80)</li> <li>Indio Hills (1units)</li> <li>● EEPROM shipping (1 @ \$500.00 /unit = \$500.00)</li> <li>● Connect Wireless - REPROGRAM REPEATER AT SANTIAGO and Snow Peak (Ed Conv) (2 @ \$100.00 /unit = \$200.00)</li> <li>● Connect Wireless - TRAVEL TO MOUNTAIN TOP REPEATER SITES (Ed Conv) (2 units @ 4.00 hrs each @ \$125.00 /hr = \$1,000.00)</li> <li>● Connect Wireless - OPTIMIZATION/TESTING OF SYSTEM (Ed Conv) (10hrs @ \$50.00 /hr = \$500.00)</li> </ul>		
<p><b>b. Infrastructure Equipment Reconfiguration Equipment/Software:</b></p> <ul style="list-style-type: none"> <li>● RF Site Combiner (98 @ \$1,520.00 /Each)</li> <li>● Control Station Combiners (3 @ (\$9,029.60) /Each)</li> <li>● Control Station Combiner Duplexers (3 @ \$1,813.60 /Each)</li> <li>● Data Modem Duplexers for Fire Stations (103 @ (\$3.20) /Each)</li> <li>● Data Modem Duplexers for Vehicles (995 @ (\$3.20) /Each)</li> <li>● Control Station Antennas (80 @ (\$88.00) /Each)</li> <li>● Data Antennas for Fire Stations (101 @ (\$88.00) /Each)</li> <li>● Voice RF Site Antennas (170 @ \$1,929.75</li> </ul>	<p>(Vendor) Motorola</p>	<p>\$503,101.28</p>

<p>/Each)</p> <ul style="list-style-type: none"> <li>Data RF Site Antennas (54 @ \$494.34 /Each)</li> <li>Tax 8.75% (1 @ \$40,479.41 /Each)</li> </ul>		
<ul style="list-style-type: none"> <li>Cost of replacement subscriber equipment for P25 capable but not 700MHz capable units (2281) (1 @ \$5,591,093.40 /Each)</li> </ul>	<p>(Vendor) Riverside County</p>	<p>\$5,591,093.40</p>
<p><b>III. Engineering and Verification Costs</b> Engineering/Implementation Planning</p> <ul style="list-style-type: none"> <li>Intermod &amp; Interference Plan &amp; Input documents. Must be redone (89 sites) (140 hrs to date and 20 hrs estimated to complete) (160hrs @ \$190.00 /hr = \$30,400.00)</li> <li>Expenses (1 @ \$750.00 /unit = \$750.00)</li> </ul> <p>Engineering/Implementation Planning</p> <ul style="list-style-type: none"> <li>Frequency Reuse Plan 2008 (228 hrs to date) (228hrs @ \$175.00 /hr = \$39,900.00)</li> <li>Frequency Reuse Plan 2009 (164 hrs to date and 20 hrs estimated to complete) (184hrs @ \$190.00 /hr = \$34,960.00)</li> <li>Coverage Analysis (1285 hrs to date and 223 hrs estimated to complete) (1508hrs @ \$190.00 /hr = \$286,520.00)</li> <li>Redesign of RF Site Equipment &amp; Antenna Systems (392 hrs estimated to complete) (392hrs @ \$190.00 /hr = \$74,480.00)</li> <li>Vehicle Antenna System Design (40 hrs to date) (40hrs @ \$190.00 /hr = \$7,600.00)</li> <li>FCC License Application Engineering for Data (440 hrs estimated to complete) (440hrs @ \$190.00 /hr = \$83,600.00)</li> <li>FCC License Application Preparation, Monitoring, and Construction Notification (45 hrs estimated to complete) (45hrs @ \$190.00 /hr = \$8,550.00)</li> </ul>	<p>(Vendor) Motorola</p>	<p>\$566,760.00</p>
<p><b>IV. Professional Services Costs</b> Planning - Project Management</p> <ul style="list-style-type: none"> <li>Fixed Project Support (38 hrs to date and 10 hrs estimated to complete) (48hrs @ \$190.00 /hr = \$9,120.00)</li> <li>Variable Project Support (38 hrs to date and 42 hrs estimated to complete) (80hrs @ \$190.00 /hr = \$15,200.00)</li> <li>Negotiations Support (240 hrs estimated to complete) (100hrs @ \$190.00 /hr = \$19,000.00)</li> </ul>	<p>(Vendor) Motorola</p>	<p>\$77,520.00</p>



<p>Rough Order of Magnitude Estimate Planning</p> <ul style="list-style-type: none"> <li>• Communications with Riverside County (40 hrs to date and 24 hrs estimated to complete) (64hrs @ \$190.00 /hr = \$12,160.00)</li> <li>• Identify impacted hardware and incremental cost differentials (32 hrs to date and 4 hrs estimated to complete) (36hrs @ \$190.00 /hr = \$6,840.00)</li> <li>• Prepare ROM SOW (60 hrs to date and 20 hrs estimated to complete) (80hrs @ \$190.00 /hr = \$15,200.00)</li> </ul>		
<ul style="list-style-type: none"> <li>• Licensing Fees 700 Mhz (\$60/frequency/site) (384 @ \$60.00 /unit = \$23,040.00)</li> <li>• RCC - Project Planning (47hrs @ \$185.00 /hr = \$8,695.00)</li> </ul>	<p>(Incumbent) Riverside County</p>	<p>\$31,735.00</p>
<p><b>V. Contracts and Legal Costs</b></p> <ul style="list-style-type: none"> <li>• Other Expenses (1hrs @ \$682.95 /hr = \$682.95)</li> <li>• Actual invoice - Actual invoices - General counseling and compliance (6hrs @ \$625.00 /hr = \$3,750.00)</li> <li>• Actual invoice - Actual invoices - FRA documentation, negotiation and related advice. Motorola rebanding contract (RPIA) and Motorola system purchase contract amendment review, comment, negotiation and advice. General counseling and compliance. No other expenses. (5.25hrs @ \$654.00 /hr = \$3,433.50)</li> <li>• Actual invoice - Actual invoices - FRA documentation, negotiation and related advice. Motorola rebanding contract (RPIA) and Motorola system purchase contract amendment review, comment, negotiation and advice. General counseling and. No other expenses. (76.75hrs @ \$683.00 /hr = \$52,420.25)</li> <li>• Actual invoice - Actual invoices - FRA documentation, negotiation and related advice. Motorola rebanding contract (RPIA) and Motorola system purchase contract amendment review, comment, negotiation and advice. General counseling and compliance. No other expenses. (146.75hrs @ \$710.00 /hr = \$104,192.50)</li> <li>• Estimate - Contingency assumes no required regulatory waivers or exemption requests from conventional 800 MHz rebanding reporting and scheduling requirements, no additional</li> </ul>	<p>(Incumbent) Riverside County</p>	<p>\$216,177.20</p>

<p>work applicable to conventional rebanding of Education Channel, no work for subsequent System Contract or other Motorola contract amendments, no need for reconciliation advice, no mediation or dispute events, and no change notices/orders under FRA or Motorola contracts , with the legal fees for such purposes, if they should arise, to be authorized through related FRA change notices. No other expenses. Pre-FRA execution documentation, negotiation and related advice. Motorola rebanding contract (RPIA) and Motorola system purchase contract amendment review, comment, negotiation and advice. General counseling and compliance (25hrs @ \$710.00 /hr = \$17,750.00)</p> <ul style="list-style-type: none"> <li>• Estimate - Post-FRA execution general counseling and compliance (12hrs @ \$738.00 /hr = \$8,856.00)</li> <li>• Estimate - Additional hours for RFI work (34hrs @ \$738.00 /hr = \$25,092.00)</li> </ul>		
<p><b>VI. Other Costs</b> Engineering:</p> <ul style="list-style-type: none"> <li>• PS Query - Project Preparation-PSEC (388.8327hrs @ \$67.31 /hr = \$26,172.33)</li> <li>• HRMS DW &amp; RCIT Rate - Project Preparation-RCIT expended (1555.763hrs @ \$61.76 /hr = \$96,083.92)</li> <li>• RCIT &amp; PSEC - Estimated Project cost (time &amp; Labor) (291.0602hrs @ \$159.96 /hr = \$46,557.98)</li> <li>• RCIT &amp; PSEC - Support Motorola with the preparation of up to twenty-one FCC Form 601 license application packages to support a two (2) phase (voice and data), ninety-one site, 700 MHz system requirement, including one associated mobile application; assistance with drafting the Riverside County Extended Implementation Schedule; routine monitoring of FCC filings throughout the frequency coordination and/or FCC processes; drafting, filing, and monitoring of up to twenty-one FCC construction notifications (consisting of the first annual notification only for each of twenty-one call signs) following license grants. (217.5429hrs @ \$159.96 /hr = \$34,798.16)</li> <li>• Office of Education - Office of Education rebanding planning (50hrs @ \$159.96 /hr = \$7,998.00)</li> <li>• Mexican border FCC requirements for PFD</li> </ul>	<p>(Incumbent) Riverside County</p>	<p>\$224,666.29</p>

(83hrs @ \$157.30 /hr = \$13,055.90)		
<b>VII. Contingency Costs</b> <ul style="list-style-type: none"> <li>Project Planning 10% of total time (294.2hrs @ \$102.26 /hr = \$30,084.89)</li> <li>Contingency for work described in Schedule F. Contingency expenditure requires prior approval by Sprint (1 @ \$500,000.00 /unit = \$500,000.00)</li> </ul>	(Incumbent) Riverside County	\$530,084.89
<b>Amendment - 1 (Previous)</b>		
<b>Description of Work To Be Performed</b>	<b>Payee</b>	<b>Estimated Cost(s)</b>
<b>I. Infrastructure Equipment Reconfiguration</b> <b>a. Infrastructure Equipment Reconfiguration Services</b> Tower Re-Analysis for new 700MHz antennas <ul style="list-style-type: none"> <li>Motorola - Construction Engineering (changes in antenna locations and orientation) (62hrs @ \$190.00 /hr = \$11,780.00)</li> <li>Motorola - Construction Manager (changes in antenna locations and orientation) (41hrs @ \$190.00 /hr = \$7,790.00)</li> <li>25 towers - Sabre tower analysis - complete analysis with PE stamp of 2 towers @ \$1000 and 23 towers that were validated and we received email approval (\$200 each) (1 @ \$6,600.00 /unit = \$6,600.00)</li> <li>2 towers - A&amp;E firm (CSI/Telespan) - 2 existing county owned towers evaluated (1 @ \$2,000.00 /unit = \$2,000.00)</li> </ul> Antenna mounts rework (22 towers) <ul style="list-style-type: none"> <li>Office Project Management (80hrs @ \$190.00 /hr = \$15,200.00)</li> <li>Field Project Management (80hrs @ \$190.00 /hr = \$15,200.00)</li> <li>Engineering (20hrs @ \$190.00 /hr = \$3,800.00)</li> <li>General Contractor (8hrs @ \$190.00 /hr = \$1,520.00)</li> <li>Construction Manager (8hrs @ \$190.00 /hr = \$1,520.00)</li> </ul> Tower remediation - construction cost <ul style="list-style-type: none"> <li>Remediation Construction cost (2 towers to be re-enforced) (2 @ \$40,000.00 /unit = \$80,000.00)</li> <li>Construction cost delta now that 5 towers were larger than previously planned (5 @ \$7,500.00 /unit = \$37,500.00)</li> </ul>	(Vendor) Motorola	\$393,196.44

<p>700 MHz Antenna replacement and Coverage re-analysis for canceled antennas and Mexico Interference analysis</p> <ul style="list-style-type: none"> <li>• Propagation maps for 24 sites (18 physical locations) - time already spent (535.4211hrs @ \$190.00 /hr = \$101,730.00)</li> <li>• Propagation maps for 4 sites impacted by the border with Mexico (80hrs @ \$190.00 /hr = \$15,200.00)</li> <li>• If antenna changes are required for 4 border sites, this is equipment cost (6 @ \$3,500.00 /unit = \$21,000.00)</li> </ul> <p>Equipment</p> <ul style="list-style-type: none"> <li>• Subcontract Services - labor to switch out mounting hardware (1 @ \$32,783.22 /unit = \$32,783.22)</li> <li>• Additional Mounting Hardware - hardware cost (1 @ \$29,573.22 /unit = \$29,573.22)</li> <li>• Larger Tower cost (5 towers) - delta in cost from previous order (5 @ \$2,000.00 /unit = \$10,000.00)</li> </ul>		
<p><b>b. Infrastructure Equipment Reconfiguration Equipment/Software:</b></p> <ul style="list-style-type: none"> <li>• Antenna cost - delta from old 700 to new 700 (1 @ \$37,250.43 /Each)</li> <li>• Tax 7.75% (1 @ \$2,886.91 /Each)</li> </ul>	<p>(Vendor) Motorola</p>	<p>\$40,137.34</p>
<p><b>II. Professional Services Costs</b> Proposal preparation and negotiation</p> <ul style="list-style-type: none"> <li>• Program Management (28hrs @ \$190.00 /hr = \$5,320.00)</li> <li>• Engineering (20hrs @ \$190.00 /hr = \$3,800.00)</li> <li>• Construction Manager (8hrs @ \$190.00 /hr = \$1,520.00)</li> </ul>	<p>(Vendor) Motorola</p>	<p>\$10,640.00</p>
<p><b>Amendment - 2 (Previous)</b></p>		
<p><b>Description of Work To Be Performed</b></p>	<p><b>Payee</b></p>	<p><b>Estimated Cost(s)</b></p>
<p><b>I. Subscriber Equipment Reconfiguration</b> Education Conventional:</p> <ul style="list-style-type: none"> <li>• Connect Wireless - GTX 800 BASE (-6 @ \$50.00 /unit = (\$300.00))</li> <li>• Connect Wireless - MTX850 LS PORTABLE (-1 @ \$50.00 /unit = (\$50.00))</li> <li>• Connect Wireless - RPROGRAM BUS RADIOS TO NEW FREQUENCY - TK980 (-113 @ \$50.00 /unit = (\$5,650.00))</li> </ul>	<p>(Incumbent) Riverside County</p>	<p>\$61,759.29</p>

<ul style="list-style-type: none"> <li>Collect and return Subscriber equipment (1006.675hrs @ \$67.31 /hr = \$67,759.29)</li> </ul>		
<p><b>II. Infrastructure Equipment Reconfiguration</b>  <b>a. Infrastructure Equipment Reconfiguration Services</b>  ITAC Conventional:</p> <ul style="list-style-type: none"> <li>SW Jail, French Valley (-1 @ \$564.79 /unit = (\$564.79))</li> <li>Blythe Jail, Blythe (-1 @ \$391.01 /unit = (\$391.01))</li> <li>RPDC, Riverside (-1 @ \$434.45 /unit = (\$434.45))</li> <li>SFC, Banning (-1 @ \$564.79 /unit = (\$564.79))</li> <li>Indio Jail, Indio (-1 @ \$304.12 /unit = (\$304.12))</li> <li>SW Court, French Valley (-1 @ \$564.79 /unit = (\$564.79))</li> <li>Indio Court, Indio (-1 @ \$304.12 /unit = (\$304.12))</li> <li>FireMARS, BoxSprings Riverside (-1 @ \$391.01 /unit = (\$391.01))</li> <li>Norco Conv, Pleasant Peak (-1 @ \$564.79 /unit = (\$564.79))</li> <li>Jurupa Conv, Jurupa Statio (-1 @ \$477.90 /unit = (\$477.90))</li> <li>Box Springs (-1 @ \$1,045.12 /unit = (\$1,045.12))</li> <li>Elsinore Peak (-1 @ \$1,088.58 /unit = (\$1,088.58))</li> <li>Mt David (-1 @ \$1,088.58 /unit = (\$1,088.58))</li> <li>Santa Rose Peak (-1 @ \$1,515.02 /unit = (\$1,515.02))</li> <li>Chuckawalla (-1 @ \$1,349.25 /unit = (\$1,349.25))</li> <li>Cactus City (-1 @ \$1,001.69 /unit = (\$1,001.69))</li> <li>Whitewater (-1 @ \$1,088.58 /unit = (\$1,088.58))</li> <li>Big Maria (-1 @ \$914.80 /unit = (\$914.80)) Indio Hills (-1units)</li> <li>EEPROM shipping (-1 @ \$500.00 /unit = (\$500.00))</li> <li>Connect Wireless - REPROGRAM REPEATER AT SANTIAGO and Snow Peak (Ed Conv) (-2 @ \$100.00 /unit = (\$200.00))</li> <li>Connect Wireless - TRAVEL TO MOUNTAIN TOP REPEATER SITES (Ed Conv) (-2 units @ 4.00 hrs each @ \$125.00 /hr = (\$1,000.00))</li> </ul>	<p>(Incumbent) Riverside County</p>	<p>(\$15,853.39)</p>

<ul style="list-style-type: none"> <li>Connect Wireless - OPTIMIZATION/TESTING OF SYSTEM (Ed Conv) (-10hrs @ \$50.00 /hr = (\$500.00))</li> </ul>		
<p><b>b. Infrastructure Equipment Reconfiguration Equipment/Software:</b></p> <ul style="list-style-type: none"> <li>M/A Com - Cost of replacement subscriber equipment for P25 capable but not 700MHz capable units (-96 units) (-1 @ \$240,576.00 /Each)</li> </ul>	<p>(Vendor) Riverside County</p>	<p>(\$240,576.00)</p>
<p><b>III. Professional Services Costs</b></p> <ul style="list-style-type: none"> <li>Licensing Fees 700 Mhz (\$60/frequency/site) (-384 @ \$60.00 /unit = (\$23,040.00))</li> <li>RCC - Project Planning (34.31216 @ \$185.00 /unit = \$6,347.75)</li> <li>Record Maintenance (5hrs @ \$67.31 /hr = \$336.55)</li> <li>Project Management &amp; Engineering (2307.15hrs @ \$67.31 /hr = \$155,294.27)</li> <li>Engineering: frequency analysis (555hrs @ \$67.31 /hr = \$37,357.05)</li> <li>FRA negotiations (64hrs @ \$67.31 /hr = \$4,307.84)</li> <li>System verification (109hrs @ \$67.31 /hr = \$7,336.79)</li> <li>System verification (1hrs @ \$102.26 /hr = \$102.26)</li> <li>Implementation planning (36.5hrs @ \$102.26 /hr = \$3,732.49)</li> <li>Implementation planning (9.9808hrs @ \$67.31 /hr = \$671.81)</li> </ul>	<p>(Incumbent) Riverside County</p>	<p>\$192,446.81</p>
<p><b>IV. Contracts and Legal Costs</b></p> <ul style="list-style-type: none"> <li>Additional legal Services by Art Katz (33.31339hrs @ \$738.00 /hr = \$24,585.28)</li> </ul>	<p>(Incumbent) Riverside County</p>	<p>\$24,585.28</p>
<p><b>V. Other Costs</b></p> <ul style="list-style-type: none"> <li>Office of Education - Office of Education rebanding planning (-50hrs @ \$159.96 /hr = (\$7,998.00))</li> <li>Mexican border FCC requirements for PFD (-83hrs @ \$157.30 /hr = (\$13,055.90))</li> <li>PS Query - Project Preparation-PSEC (-89hrs @ \$72.95 /hr = (\$6,492.49))</li> <li>HRMS DW &amp; RCIT Rate - Project Preparation-RCIT expended (-285.5hrs @ \$109.00 /hr = (\$31,119.39))</li> <li>RCIT &amp; PSEC - Estimated Project cost (time &amp;</li> </ul>	<p>(Incumbent) Riverside County</p>	<p>(\$192,438.31)</p>

<p>Labor) (-1740hrs @ \$75.40 /hr = (\$131,202.40))</p> <ul style="list-style-type: none"> <li>• RCIT &amp; PSEC - Support Motorola with the preparation of up to twenty-one FCC Form 601 license application packages to support a two (2) phase (voice and data), ninety-one site, 700 MHz system requirement, including one associated mobile application; assistance with drafting the Riverside County Extended Implementation Schedule; routine monitoring of FCC filings throughout the frequency coordination and/or FCC processes; drafting, filing, and monitoring of up to twenty-one FCC construction notifications (consisting of the first annual notification only for each of twenty-one call signs) following license grants. (-217.5429hrs @ \$159.96 /hr = (\$34,798.16))</li> <li>• License modifications, includes 601 forms (405.3hrs @ \$67.31 /hr = \$27,280.74)</li> <li>• License applications (73.5hrs @ \$67.31 /hr = \$4,947.29)</li> </ul>		
<ul style="list-style-type: none"> <li>• PM - Planning for NPSPAC MA channel reconfiguration. (4 hours/site for 8 sites) (8 units @ 4.00 hrs each @ \$100.00 /hr = \$3,200.00)</li> <li>• ENG - Prepare floor plan and rack layout drawings for RCIT approval Labor (4 hours/site for 8 sites) (8 units @ 4.00 hrs each @ \$90.00 /hr = \$2,880.00)</li> </ul>	(Vendor) Wireless Infrastructure Services	\$6,080.00
<p><b>VI. Contingency Costs</b></p> <ul style="list-style-type: none"> <li>• Contingency for work described in Schedule F. Contingency expenditure requires prior approval by Sprint (-1 @ \$500,000.00 /unit = (\$500,000.00))</li> </ul>	(Incumbent) Riverside County	(\$500,000.00)
<b>Amendment - 3 (Previous)</b>		
<b>Description of Work To Be Performed</b>	<b>Payee</b>	<b>Estimated Cost(s)</b>
<p><b>I. Infrastructure Equipment Reconfiguration</b> <b>a. Infrastructure Equipment Reconfiguration Services</b></p> <ul style="list-style-type: none"> <li>• Assist &amp; coordinate site cut over (8 units @ 6.00 hrs each @ \$67.31 /hr = \$3,230.88)</li> </ul>	(Incumbent) Riverside County	\$3,230.88
<p>Materials (Rack, busbar, back supports, anchors and static pads)</p> <ul style="list-style-type: none"> <li>• SUP - Extend UPS/power strips to existing AC outlets (1hrs @ \$85.00 /hr = \$85.00)</li> </ul>	(Vendor) Wireless Infrastructure Services	\$139,978.00

- FT - Extend UPS/power strips to existing AC outlets (1hrs @ \$75.00 /hr = \$75.00)
- SUP - Provide and install new UPS/power strip (1hrs @ \$85.00 /hr = \$85.00)
- FT - Provide and install new UPS/power strip (1hrs @ \$75.00 /hr = \$75.00)
- Materials (1 @ \$40.00 /unit = \$40.00)
- UPS (1 @ \$1,132.00 /unit = \$1,132.00)
- Power strip (1 @ \$175.00 /unit = \$175.00)

Materials (ground wire, lugs, crimps, covers, labels, etc)

- SUP - Pick up, transport and install loaner equipment in new racks (6hrs @ \$85.00 /hr = \$510.00)
- FT - Pick up, transport and install loaner equipment in new racks (6hrs @ \$75.00 /hr = \$450.00)
- SUP - Provide and install new 1/2" superflex jumpers from mainline polyphasers to new equipment (4hrs @ \$85.00 /hr = \$340.00)
- FT - Provide and install new 1/2" superflex jumpers from mainline polyphasers to new equipment (4hrs @ \$75.00 /hr = \$300.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$250.00 /unit = \$250.00)
- Connectors (1 @ \$100.00 /unit = \$100.00)
- Supports & labels (1 @ \$50.00 /unit = \$50.00)
- SUP - Provide and install new RG242 interconnect jumpers between all new and existing equipment (10hrs @ \$85.00 /hr = \$850.00)
- FT - Provide and install new RG242 interconnect jumpers between all new and existing equipment (10hrs @ \$75.00 /hr = \$750.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$350.00 /unit = \$350.00)
- Connectors (1 @ \$300.00 /unit = \$300.00)
- Supports & labels (1 @ \$45.00 /unit = \$45.00)
- SUP - Sweep all new jumpers (3hrs @ \$85.00 /hr = \$255.00)
- FT - Sweep all new jumpers (3hrs @ \$75.00 /hr = \$225.00)
- Provide and install new shielded CAT5 from new radios to existing 66 block, punch and test (3hrs @ \$85.00 /hr = \$255.00)



- Provide and install new shielded CAT5 from new radios to existing 66 block, punch and test (3hrs @ \$75.00 /hr = \$225.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$75.00 /unit = \$75.00)
- Connectors (1 @ \$50.00 /unit = \$50.00)
- Supports & labels (1 @ \$25.00 /unit = \$25.00)
- ENG - Provide close-out package with photos, sweeps and as-builts (4hrs @ \$90.00 /hr = \$360.00)
- After cutover, return to site and pull old EMR equip, send back for re-tune (5hrs @ \$85.00 /hr = \$425.00)
- After cutover, return to site and pull old EMR equip, send back for re-tune (5hrs @ \$75.00 /hr = \$375.00)
- EMR re-tuning (includes shipping, tax and labor) (1 @ \$2,675.00 /unit = \$2,675.00)
- Once EMR equipment is re-tuned, return to site, install unit, provide and install new RG242 jumpers (8hrs @ \$85.00 /hr = \$680.00)
- Once EMR equipment is re-tuned, return to site, install unit, provide and install new RG242 jumpers (8hrs @ \$75.00 /hr = \$600.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$250.00 /unit = \$250.00)
- Connectors (1 @ \$150.00 /unit = \$150.00)
- Supports & labels (1 @ \$25.00 /unit = \$25.00)
- Once existing equipment is cut over perm to narrow, remove and return all loaner equip (5hrs @ \$85.00 /hr = \$425.00)
- Once existing equipment is cut over perm to narrow, remove and return all loaner equip (5hrs @ \$75.00 /hr = \$375.00)
- Travel time (1 @ \$1,600.00 /unit = \$1,600.00)
- Fuel/mileage (1 @ \$200.00 /unit = \$200.00)
- PM - Project management, coordination and admin (4hrs @ \$100.00 /hr = \$400.00)
- PC - Project management, coordination and admin (6hrs @ \$90.00 /hr = \$540.00)
- SUP - Provide and install new Moto rack with seismic anchors, static floor pads, busbar and back supports (4hrs @ \$85.00 /hr = \$340.00)
- FT - Provide and install new Moto rack with seismic anchors, static floor pads, busbar and back supports (4hrs @ \$75.00 /hr = \$300.00)

Materials (Rack, busbar, back supports, anchors and

static pads)

- Moto rack (1 @ \$810.00 /unit = \$810.00)
- Busbar (1 @ \$115.00 /unit = \$115.00)
- Back supports (1 @ \$108.00 /unit = \$108.00)
- Anchors (1 @ \$35.00 /unit = \$35.00)
- Static pads (1 @ \$80.00 /unit = \$80.00)
- SUP - Provide and install new UPS/power strip (1hrs @ \$85.00 /hr = \$85.00)
- FT - Provide and install new UPS/power strip (1hrs @ \$75.00 /hr = \$75.00)

Materials

- UPS (1 @ \$1,132.00 /unit = \$1,132.00)
- Power strip (1 @ \$175.00 /unit = \$175.00)
- SUP - Install R56 grounding for rack and equipment (6hrs @ \$85.00 /hr = \$510.00)
- FT - Install R56 grounding for rack and equipment (6hrs @ \$75.00 /hr = \$450.00)

Materials (ground wire, lugs, crimps, covers, labels, etc)

- Ground wire (1 @ \$160.00 /unit = \$160.00)
- Lugs (1 @ \$90.00 /unit = \$90.00)
- Crimps (1 @ \$60.00 /unit = \$60.00)
- Covers (1 @ \$70.00 /unit = \$70.00)
- Labels/etc (1 @ \$20.00 /unit = \$20.00)
- SUP - Pick up, transport and install loaner equipment in new racks (6hrs @ \$85.00 /hr = \$510.00)
- FT - Pick up, transport and install loaner equipment in new racks (6hrs @ \$75.00 /hr = \$450.00)
- SUP - Provide and install new 1/2" superflex jumpers from mainline polyphasers to new equipment (4hrs @ \$85.00 /hr = \$340.00)
- FT - Provide and install new 1/2" superflex jumpers from mainline polyphasers to new equipment (4hrs @ \$75.00 /hr = \$300.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$250.00 /unit = \$250.00)
- Connectors (1 @ \$100.00 /unit = \$100.00)
- Supports & labels (1 @ \$50.00 /unit = \$50.00)
- SUP - Provide and install new RG242 interconnect jumpers between all new and existing equipment (6hrs @ \$85.00 /hr = \$510.00)
- FT - Provide and install new RG242 interconnect jumpers between all new and

existing equipment (6hrs @ \$75.00 /hr = \$450.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$250.00 /unit = \$250.00)
- Connectors (1 @ \$200.00 /unit = \$200.00)
- Supports & labels (1 @ \$45.00 /unit = \$45.00)
- SUP - Sweep all new jumpers (2hrs @ \$85.00 /hr = \$170.00)
- FT - Sweep all new jumpers (2hrs @ \$75.00 /hr = \$150.00)
- Provide and install new shielded CAT5 from new radios to existing 66 block, punch and test (3hrs @ \$85.00 /hr = \$255.00)
- Provide and install new shielded CAT5 from new radios to existing 66 block, punch and test (3hrs @ \$75.00 /hr = \$225.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$75.00 /unit = \$75.00)
- Connectors (1 @ \$50.00 /unit = \$50.00)
- Supports & labels (1 @ \$25.00 /unit = \$25.00)
- ENG - Provide close-out package with photos, sweeps and as-builts (4hrs @ \$90.00 /hr = \$360.00)
- After cutover, return to site and pull old EMR equip, send back for re-tune (5hrs @ \$85.00 /hr = \$425.00)
- After cutover, return to site and pull old EMR equip, send back for re-tune (5hrs @ \$75.00 /hr = \$375.00)
- EMR re-tuning (1 @ \$1,125.00 /unit = \$1,125.00)
- Once EMR equipment is re-tuned, return to site, install unit, provide and install new RG242 jumpers (8hrs @ \$85.00 /hr = \$680.00)
- Once EMR equipment is re-tuned, return to site, install unit, provide and install new RG242 jumpers (8hrs @ \$75.00 /hr = \$600.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$250.00 /unit = \$250.00)
- Connectors (1 @ \$150.00 /unit = \$150.00)
- Supports & labels (1 @ \$25.00 /unit = \$25.00)
- Once existing equipment is cut over perm to narrow, remove and return all loaner equip (5hrs @ \$85.00 /hr = \$425.00)
- Once existing equipment is cut over perm to narrow, remove and return all loaner equip (5hrs @ \$75.00 /hr = \$375.00)

- Travel time (1 @ \$2,000.00 /unit = \$2,000.00)  
Per diem (1units)
- Fuel/mileage (1 @ \$300.00 /unit = \$300.00)  
Lodging (1units)
- PM - Project management, coordination and  
admin (4hrs @ \$100.00 /hr = \$400.00)
- PC - Project management, coordination and  
admin (6hrs @ \$90.00 /hr = \$540.00)

Materials (Rack, busbar, back supports, anchors and static pads)

- Subcontract - Install new electrical circuits to  
new rack location (1 @ \$2,500.00 /unit =  
\$2,500.00)
- SUP - Provide and install new UPS/power  
strip (1hrs @ \$85.00 /hr = \$85.00)
- FT - Provide and install new UPS/power strip  
(1hrs @ \$75.00 /hr = \$75.00)

Materials

- UPS (1 @ \$1,132.00 /unit = \$1,132.00)
- Power strip (1 @ \$175.00 /unit = \$175.00)
- SUP - Install R56 grounding for rack and  
equipment (2hrs @ \$85.00 /hr = \$170.00)
- FT - Install R56 grounding for rack and  
equipment (2hrs @ \$75.00 /hr = \$150.00)

Materials (ground wire, lugs, crimps, covers, labels, etc)

- Ground wire (1 @ \$120.00 /unit = \$120.00)
- Lugs (1 @ \$60.00 /unit = \$60.00)
- Crimps (1 @ \$60.00 /unit = \$60.00)
- Covers (1 @ \$50.00 /unit = \$50.00)
- Labels/etc (1 @ \$20.00 /unit = \$20.00)
- SUP - Pick up, transport and install loaner  
equipment in new racks (6hrs @ \$85.00 /hr =  
\$510.00)
- FT - Pick up, transport and install loaner  
equipment in new racks (6hrs @ \$75.00 /hr =  
\$450.00)
- SUP - Provide and install new 1/2" superflex  
jumpers from mainline polyphasers to new  
equipment (4hrs @ \$85.00 /hr = \$340.00)
- FT - Provide and install new 1/2" superflex  
jumpers from mainline polyphasers to new  
equipment (4hrs @ \$75.00 /hr = \$300.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$250.00 /unit = \$250.00)

- Connectors (1 @ \$100.00 /unit = \$100.00)
- Supports & labels (1 @ \$50.00 /unit = \$50.00)
- SUP - Provide and install new RG242 interconnect jumpers between all new and existing equipment (6hrs @ \$85.00 /hr = \$510.00)
- FT - Provide and install new RG242 interconnect jumpers between all new and existing equipment (6hrs @ \$75.00 /hr = \$450.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$250.00 /unit = \$250.00)
- Connectors (1 @ \$200.00 /unit = \$200.00)
- Supports & labels (1 @ \$45.00 /unit = \$45.00)
- SUP - Sweep all new jumpers (2hrs @ \$85.00 /hr = \$170.00)
- FT - Sweep all new jumpers (2hrs @ \$75.00 /hr = \$150.00)
- Provide and install new shielded CAT5 from new radios to existing 66 block, punch and test (3hrs @ \$85.00 /hr = \$255.00)
- Provide and install new shielded CAT5 from new radios to existing 66 block, punch and test (3hrs @ \$75.00 /hr = \$225.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$75.00 /unit = \$75.00)
- Connectors (1 @ \$50.00 /unit = \$50.00)
- Supports & labels (1 @ \$25.00 /unit = \$25.00)
- ENG - Provide close-out package with photos, sweeps and as-builts (4hrs @ \$90.00 /hr = \$360.00)
- After cutover, return to site and pull old EMR equip, send back for re-tune (5hrs @ \$85.00 /hr = \$425.00)
- After cutover, return to site and pull old EMR equip, send back for re-tune (5hrs @ \$75.00 /hr = \$375.00)
- EMR re-tuning (1 @ \$1,125.00 /unit = \$1,125.00)
- Once EMR equipment is re-tuned, return to site, install unit, provide and install new RG242 jumpers (6hrs @ \$85.00 /hr = \$510.00)
- Once EMR equipment is re-tuned, return to site, install unit, provide and install new RG242 jumpers (6hrs @ \$75.00 /hr = \$450.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$150.00 /unit = \$150.00)

- Connectors (1 @ \$100.00 /unit = \$100.00)
- Supports & labels (1 @ \$25.00 /unit = \$25.00)
- Once existing equipment is cut over perm to narrow, remove and return all loaner equip (5hrs @ \$85.00 /hr = \$425.00)
- Once existing equipment is cut over perm to narrow, remove and return all loaner equip (5hrs @ \$75.00 /hr = \$375.00)
- Travel time (1 @ \$1,600.00 /unit = \$1,600.00)  
Per diem (1units)
- Fuel/mileage (1 @ \$200.00 /unit = \$200.00)  
Lodging (1units)
- PM - Project management, coordination and admin (4hrs @ \$100.00 /hr = \$400.00)
- PC - Project management, coordination and admin (6hrs @ \$90.00 /hr = \$540.00)

Materials (Rack, busbar, back supports, anchors and static pads)

- SUP - Extend UPS/power strips to existing AC outlets (1hrs @ \$85.00 /hr = \$85.00)
- FT - Extend UPS/power strips to existing AC outlets (1hrs @ \$75.00 /hr = \$75.00)
- SUP - Provide and install new UPS/power strip (1hrs @ \$85.00 /hr = \$85.00)
- FT - Provide and install new UPS/power strip (1hrs @ \$75.00 /hr = \$75.00)
- Materials (1hrs @ \$40.00 /hr = \$40.00)
- UPS (1 @ \$1,132.00 /unit = \$1,132.00)
- Power strip (1 @ \$175.00 /unit = \$175.00)
- SUP - Install R56 grounding for rack and equipment (2hrs @ \$85.00 /hr = \$170.00)
- FT - Install R56 grounding for rack and equipment (2hrs @ \$75.00 /hr = \$150.00)

Materials (ground wire, lugs, crimps, covers, labels, etc)

- Ground wire (1 @ \$120.00 /unit = \$120.00)
- Lugs (1 @ \$60.00 /unit = \$60.00)
- Crimps (1 @ \$60.00 /unit = \$60.00)
- Covers (1 @ \$50.00 /unit = \$50.00)
- Labels/etc (1 @ \$20.00 /unit = \$20.00)
- SUP - Pick up, transport and install loaner equipment in new racks (6hrs @ \$85.00 /hr = \$510.00)
- FT - Pick up, transport and install loaner equipment in new racks (6hrs @ \$75.00 /hr = \$450.00)
- SUP - Provide and install new ½" superflex

jumpers from mainline polyphasers to new equipment (4hrs @ \$85.00 /hr = \$340.00)

- FT - Provide and install new ½" superflex jumpers from mainline polyphasers to new equipment (4hrs @ \$75.00 /hr = \$300.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$250.00 /unit = \$250.00)
- Connectors (1 @ \$100.00 /unit = \$100.00)
- Supports & labels (1 @ \$50.00 /unit = \$50.00)
- SUP - Provide and install new RG242 interconnect jumpers between all new and existing equipment (10hrs @ \$85.00 /hr = \$850.00)
- FT - Provide and install new RG242 interconnect jumpers between all new and existing equipment (10hrs @ \$75.00 /hr = \$750.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$350.00 /unit = \$350.00)
- Connectors (1 @ \$300.00 /unit = \$300.00)
- Supports & labels (1 @ \$45.00 /unit = \$45.00)
- SUP - Sweep all new jumpers (2hrs @ \$85.00 /hr = \$170.00)
- FT - Sweep all new jumpers (2hrs @ \$75.00 /hr = \$150.00)
- Provide and install new shielded CAT5 from new radios to existing 66 block, punch and test (3hrs @ \$85.00 /hr = \$255.00)
- Provide and install new shielded CAT5 from new radios to existing 66 block, punch and test (3hrs @ \$75.00 /hr = \$225.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$75.00 /unit = \$75.00)
- Connectors (1 @ \$50.00 /unit = \$50.00)
- Supports & labels (1 @ \$25.00 /unit = \$25.00)
- ENG - Provide close-out package with photos, sweeps and as-builts (4hrs @ \$90.00 /hr = \$360.00)
- After cutover, return to site and pull old EMR equip, send back for re-tune (5hrs @ \$85.00 /hr = \$425.00)
- After cutover, return to site and pull old EMR equip, send back for re-tune (5hrs @ \$75.00 /hr = \$375.00)
- EMR re-tuning (1 @ \$1,125.00 /unit = \$1,125.00)
- Once EMR equipment is re-tuned, return to

site, install unit, provide and install new RG242 jumpers (8hrs @ \$85.00 /hr = \$680.00)

- Once EMR equipment is re-tuned, return to site, install unit, provide and install new RG242 jumpers (8hrs @ \$75.00 /hr = \$600.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$250.00 /unit = \$250.00)
- Connectors (1 @ \$150.00 /unit = \$150.00)
- Supports & labels (1 @ \$25.00 /unit = \$25.00)
- Once existing equipment is cut over perm to narrow, remove and return all loaner equip (5hrs @ \$85.00 /hr = \$425.00)
- Once existing equipment is cut over perm to narrow, remove and return all loaner equip (5hrs @ \$75.00 /hr = \$375.00)
- Travel time (1 @ \$2,000.00 /unit = \$2,000.00)  
Per diem (1units)
- Fuel/mileage (1 @ \$300.00 /unit = \$300.00)  
Lodging (1units)
- PM - Project management, coordination and admin (4hrs @ \$100.00 /hr = \$400.00)
- PC - Project management, coordination and admin (6hrs @ \$90.00 /hr = \$540.00)
- SUP - Provide and install new Moto rack with seismic anchors, static floor pads, busbar and back supports (4hrs @ \$85.00 /hr = \$340.00)
- FT - Provide and install new Moto rack with seismic anchors, static floor pads, busbar and back supports (4hrs @ \$75.00 /hr = \$300.00)

Materials (Rack, busbar, back supports, anchors and static pads)

- Moto rack (1 @ \$810.00 /unit = \$810.00)
- Busbar (1 @ \$115.00 /unit = \$115.00)
- Back supports (1 @ \$108.00 /unit = \$108.00)
- Anchors (1 @ \$35.00 /unit = \$35.00)
- Static pads (1 @ \$80.00 /unit = \$80.00)
- SUP - Provide and install new UPS/power strip (1hrs @ \$85.00 /hr = \$85.00)
- FT - Provide and install new UPS/power strip (1hrs @ \$75.00 /hr = \$75.00)

Materials

- UPS (1 @ \$1,132.00 /unit = \$1,132.00)
- Power strip (1 @ \$175.00 /unit = \$175.00)
- SUP - Install R56 grounding for rack and equipment (6hrs @ \$85.00 /hr = \$510.00)
- FT - Install R56 grounding for rack and



equipment (6hrs @ \$75.00 /hr = \$450.00)

Materials (ground wire, lugs, crimps, covers, labels, etc)

- Ground wire (1 @ \$160.00 /unit = \$160.00)
- Lugs (1 @ \$90.00 /unit = \$90.00)
- Crimps (1 @ \$60.00 /unit = \$60.00)
- Covers (1 @ \$70.00 /unit = \$70.00)
- Labels/etc (1 @ \$20.00 /unit = \$20.00)
- SUP - Pick up, transport and install loaner equipment in new racks (6hrs @ \$85.00 /hr = \$510.00)
- FT - Pick up, transport and install loaner equipment in new racks (6hrs @ \$75.00 /hr = \$450.00)
- SUP - Provide and install new ½" superflex jumpers from mainline polyphasers to new equipment (4hrs @ \$85.00 /hr = \$340.00)
- FT - Provide and install new ½" superflex jumpers from mainline polyphasers to new equipment (4hrs @ \$75.00 /hr = \$300.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$250.00 /unit = \$250.00)
- Connectors (1 @ \$100.00 /unit = \$100.00)
- Supports & labels (1 @ \$50.00 /unit = \$50.00)
- SUP - Provide and install new RG242 interconnect jumpers between all new and existing equipment (10hrs @ \$85.00 /hr = \$850.00)
- FT - Provide and install new RG242 interconnect jumpers between all new and existing equipment (10hrs @ \$75.00 /hr = \$750.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$350.00 /unit = \$350.00)
- Connectors (1 @ \$300.00 /unit = \$300.00)
- Supports & labels (1 @ \$45.00 /unit = \$45.00)
- SUP - Sweep all new jumpers (2hrs @ \$85.00 /hr = \$170.00)
- FT - Sweep all new jumpers (2hrs @ \$75.00 /hr = \$150.00)
- Provide and install new shielded CAT5 from new radios to existing 66 block, punch and test (3hrs @ \$85.00 /hr = \$255.00)
- Provide and install new shielded CAT5 from new radios to existing 66 block, punch and test (3hrs @ \$75.00 /hr = \$225.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$75.00 /unit = \$75.00)
- Connectors (1 @ \$50.00 /unit = \$50.00)
- Supports & labels (1 @ \$25.00 /unit = \$25.00)
- ENG - Provide close-out package with photos, sweeps and as-builts (4hrs @ \$90.00 /hr = \$360.00)
- After cutover, return to site and pull old EMR equip, send back for re-tune (5hrs @ \$85.00 /hr = \$425.00)
- After cutover, return to site and pull old EMR equip, send back for re-tune (5hrs @ \$75.00 /hr = \$375.00)
- EMR re-tuning (1 @ \$1,125.00 /unit = \$1,125.00)
- Once EMR equipment is re-tuned, return to site, install unit, provide and install new RG242 jumpers (8hrs @ \$85.00 /hr = \$680.00)
- Once EMR equipment is re-tuned, return to site, install unit, provide and install new RG242 jumpers (8hrs @ \$75.00 /hr = \$600.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$250.00 /unit = \$250.00)
- Connectors (1 @ \$150.00 /unit = \$150.00)
- Supports & labels (1 @ \$25.00 /unit = \$25.00)
- Once existing equipment is cut over perm to narrow, remove and return all loaner equip (5hrs @ \$85.00 /hr = \$425.00)
- Once existing equipment is cut over perm to narrow, remove and return all loaner equip (5hrs @ \$75.00 /hr = \$375.00)
- Travel time (1 @ \$2,800.00 /unit = \$2,800.00)  
Per diem (1 units)
- Fuel/mileage (1 @ \$300.00 /unit = \$300.00)  
Lodging (1 units)
- PM - Project management, coordination and admin (4hrs @ \$100.00 /hr = \$400.00)
- PC - Project management, coordination and admin (6hrs @ \$90.00 /hr = \$540.00)
- SUP - Provide and install new Moto rack with seismic anchors, static floor pads, busbar and back supports (4hrs @ \$85.00 /hr = \$340.00)
- FT - Provide and install new Moto rack with seismic anchors, static floor pads, busbar and back supports (4hrs @ \$75.00 /hr = \$300.00)

Materials (Rack, busbar, back supports, anchors and static pads)

- Moto rack (1 @ \$810.00 /unit = \$810.00)

- Busbar (1 @ \$115.00 /unit = \$115.00)
- Back supports (1 @ \$108.00 /unit = \$108.00)
- Anchors (1 @ \$35.00 /unit = \$35.00)
- Static pads (1 @ \$80.00 /unit = \$80.00)
- SUP - Provide and install new UPS/power strip (1hrs @ \$85.00 /hr = \$85.00)
- FT - Provide and install new UPS/power strip (1hrs @ \$75.00 /hr = \$75.00)

Materials

- UPS (1 @ \$1,132.00 /unit = \$1,132.00)
- Power strip (1 @ \$175.00 /unit = \$175.00)
- SUP - Install R56 grounding for rack and equipment (6hrs @ \$85.00 /hr = \$510.00)
- FT - Install R56 grounding for rack and equipment (6hrs @ \$75.00 /hr = \$450.00)

Materials (ground wire, lugs, crimps, covers, labels, etc)

- Ground wire (1 @ \$160.00 /unit = \$160.00)
- Lugs (1 @ \$90.00 /unit = \$90.00)
- Crimps (1 @ \$60.00 /unit = \$60.00)
- Covers (1 @ \$70.00 /unit = \$70.00)
- Labels/etc (1 @ \$20.00 /unit = \$20.00)
- SUP - Pick up, transport and install loaner equipment in new racks (6hrs @ \$85.00 /hr = \$510.00)
- FT - Pick up, transport and install loaner equipment in new racks (6hrs @ \$75.00 /hr = \$450.00)
- SUP - Provide and install new ½" superflex jumpers from mainline polyphasers to new equipment (4hrs @ \$85.00 /hr = \$340.00)
- FT - Provide and install new ½" superflex jumpers from mainline polyphasers to new equipment (4hrs @ \$75.00 /hr = \$300.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$250.00 /unit = \$250.00)
- Connectors (1 @ \$100.00 /unit = \$100.00)
- Supports & labels (1 @ \$50.00 /unit = \$50.00)
- SUP - Provide and install new RG242 interconnect jumpers between all new and existing equipment (10hrs @ \$85.00 /hr = \$850.00)
- FT - Provide and install new RG242 interconnect jumpers between all new and existing equipment (10hrs @ \$75.00 /hr = \$750.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$350.00 /unit = \$350.00)
- Connectors (1 @ \$300.00 /unit = \$300.00)
- Supports & labels (1 @ \$45.00 /unit = \$45.00)
- SUP - Sweep all new jumpers (2hrs @ \$85.00 /hr = \$170.00)
- FT - Sweep all new jumpers (2hrs @ \$75.00 /hr = \$150.00)
- Provide and install new shielded CAT5 from new radios to existing 66 block, punch and test (3hrs @ \$85.00 /hr = \$255.00)
- Provide and install new shielded CAT5 from new radios to existing 66 block, punch and test (3hrs @ \$75.00 /hr = \$225.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$75.00 /unit = \$75.00)
- Connectors (1 @ \$50.00 /unit = \$50.00)
- Supports & labels (1 @ \$25.00 /unit = \$25.00)
- ENG - Provide close-out package with photos, sweeps and as-builts (4hrs @ \$90.00 /hr = \$360.00)
- After cutover, return to site and pull old EMR equip, send back for re-tune (5hrs @ \$85.00 /hr = \$425.00)
- After cutover, return to site and pull old EMR equip, send back for re-tune (5hrs @ \$75.00 /hr = \$375.00)
- EMR re-tuning (1 @ \$1,125.00 /unit = \$1,125.00)
- Once EMR equipment is re-tuned, return to site, install unit, provide and install new RG242 jumpers (8hrs @ \$85.00 /hr = \$680.00)
- Once EMR equipment is re-tuned, return to site, install unit, provide and install new RG242 jumpers (8hrs @ \$75.00 /hr = \$600.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$250.00 /unit = \$250.00)
- Connectors (1 @ \$150.00 /unit = \$150.00)
- Supports & labels (1 @ \$25.00 /unit = \$25.00)
- Once existing equipment is cut over perm to narrow, remove and return all loaner equip (5hrs @ \$85.00 /hr = \$425.00)
- Once existing equipment is cut over perm to narrow, remove and return all loaner equip (5hrs @ \$75.00 /hr = \$375.00)
- Travel time (1 @ \$2,000.00 /unit = \$2,000.00)

- Per diem (1 @ \$300.00 /unit = \$300.00)
- Fuel/mileage (1 @ \$300.00 /unit = \$300.00)
- Lodging (1 @ \$600.00 /unit = \$600.00)
- PM - Project management, coordination and admin (4hrs @ \$100.00 /hr = \$400.00)
- PC - Project management, coordination and admin (6hrs @ \$90.00 /hr = \$540.00)
- SUP - Provide and install new Moto rack with seismic anchors, static floor pads, busbar and back supports (4hrs @ \$85.00 /hr = \$340.00)
- FT - Provide and install new Moto rack with seismic anchors, static floor pads, busbar and back supports (4hrs @ \$75.00 /hr = \$300.00)

Materials (Rack, busbar, back supports, anchors and static pads)

- Moto rack (1 @ \$810.00 /unit = \$810.00)
- Busbar (1 @ \$115.00 /unit = \$115.00)
- Back supports (1 @ \$108.00 /unit = \$108.00)
- Anchors (1 @ \$35.00 /unit = \$35.00)
- Static pads (1 @ \$80.00 /unit = \$80.00)
- SUP - Provide and install new UPS/power strip (1hrs @ \$85.00 /hr = \$85.00)
- FT - Provide and install new UPS/power strip (1hrs @ \$75.00 /hr = \$75.00)

Materials

- UPS (1 @ \$1,132.00 /unit = \$1,132.00)
- Power strip (1 @ \$175.00 /unit = \$175.00)
- SUP - Install R56 grounding for rack and equipment (6hrs @ \$85.00 /hr = \$510.00)
- FT - Install R56 grounding for rack and equipment (6hrs @ \$75.00 /hr = \$450.00)

Materials (ground wire, lugs, crimps, covers, labels, etc)

- Ground wire (1 @ \$160.00 /unit = \$160.00)
- Lugs (1 @ \$90.00 /unit = \$90.00)
- Crimps (1 @ \$60.00 /unit = \$60.00)
- Covers (1 @ \$70.00 /unit = \$70.00)
- Labels/etc (1 @ \$20.00 /unit = \$20.00)
- SUP - Pick up, transport and install loaner equipment in new racks (6hrs @ \$85.00 /hr = \$510.00)
- FT - Pick up, transport and install loaner equipment in new racks (6hrs @ \$75.00 /hr = \$450.00)
- SUP - Provide and install new ½" superflex

jumpers from mainline polyphasers to new equipment (4hrs @ \$85.00 /hr = \$340.00)

- FT - Provide and install new ½" superflex jumpers from mainline polyphasers to new equipment (4hrs @ \$75.00 /hr = \$300.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$250.00 /unit = \$250.00)
- Connectors (1 @ \$100.00 /unit = \$100.00)
- Supports & labels (1 @ \$50.00 /unit = \$50.00)
- SUP - Provide and install new RG242 interconnect jumpers between all new and existing equipment (10hrs @ \$85.00 /hr = \$850.00)
- FT - Provide and install new RG242 interconnect jumpers between all new and existing equipment (10hrs @ \$75.00 /hr = \$750.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$350.00 /unit = \$350.00)
- Connectors (1 @ \$300.00 /unit = \$300.00)
- Supports & labels (1 @ \$45.00 /unit = \$45.00)
- SUP - Sweep all new jumpers (2hrs @ \$85.00 /hr = \$170.00)
- FT - Sweep all new jumpers (2hrs @ \$75.00 /hr = \$150.00)
- Provide and install new shielded CAT5 from new radios to existing 66 block, punch and test (3hrs @ \$85.00 /hr = \$255.00)
- Provide and install new shielded CAT5 from new radios to existing 66 block, punch and test (3hrs @ \$75.00 /hr = \$225.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$75.00 /unit = \$75.00)
- Connectors (1 @ \$50.00 /unit = \$50.00)
- Supports & labels (1 @ \$25.00 /unit = \$25.00)
- ENG - Provide close-out package with photos, sweeps and as-builts (4hrs @ \$90.00 /hr = \$360.00)
- After cutover, return to site and pull old EMR equip, send back for re-tune (5hrs @ \$85.00 /hr = \$425.00)
- After cutover, return to site and pull old EMR equip, send back for re-tune (5hrs @ \$75.00 /hr = \$375.00)
- EMR re-tuning (1 @ \$1,125.00 /unit = \$1,125.00)
- Once EMR equipment is re-tuned, return to

site, install unit, provide and install new RG242 jumpers (8hrs @ \$85.00 /hr = \$680.00)

- Once EMR equipment is re-tuned, return to site, install unit, provide and install new RG242 jumpers (8hrs @ \$75.00 /hr = \$600.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$250.00 /unit = \$250.00)
- Connectors (1 @ \$150.00 /unit = \$150.00)
- Supports & labels (1 @ \$25.00 /unit = \$25.00)
- Once existing equipment is cut over perm to narrow, remove and return all loaner equip (5hrs @ \$85.00 /hr = \$425.00)
- Once existing equipment is cut over perm to narrow, remove and return all loaner equip (5hrs @ \$75.00 /hr = \$375.00)
- Travel time (1 @ \$2,400.00 /unit = \$2,400.00)
- Per diem (1 @ \$600.00 /unit = \$600.00)
- Fuel/mileage (1 @ \$400.00 /unit = \$400.00)
- Lodging (1 @ \$600.00 /unit = \$600.00)
- PM - Project management, coordination and admin (4hrs @ \$100.00 /hr = \$400.00)
- PC - Project management, coordination and admin (6hrs @ \$90.00 /hr = \$540.00)

Materials (Rack, busbar, back supports, anchors and static pads)

- SUP - Extend UPS/power strips to existing AC outlets (1hrs @ \$85.00 /hr = \$85.00)
- FT - Extend UPS/power strips to existing AC outlets (1hrs @ \$75.00 /hr = \$75.00)
- SUP - Provide and install new UPS/power strip (1hrs @ \$85.00 /hr = \$85.00)
- FT - Provide and install new UPS/power strip (1hrs @ \$75.00 /hr = \$75.00)
- Materials (1 @ \$40.00 /unit = \$40.00)
- UPS (1 @ \$1,132.00 /unit = \$1,132.00)
- Power strip (1 @ \$175.00 /unit = \$175.00)
- SUP - Install R56 grounding for rack and equipment (2hrs @ \$85.00 /hr = \$170.00)
- FT - Install R56 grounding for rack and equipment (2hrs @ \$75.00 /hr = \$150.00)

Materials (ground wire, lugs, crimps, covers, labels, etc)

- Ground wire (1 @ \$120.00 /unit = \$120.00)
- Lugs (1 @ \$60.00 /unit = \$60.00)
- Crimps (1 @ \$60.00 /unit = \$60.00)
- Covers (1 @ \$50.00 /unit = \$50.00)

- Labels/etc (1 @ \$20.00 /unit = \$20.00)
- SUP - Pick up, transport and install loaner equipment in new racks (6hrs @ \$85.00 /hr = \$510.00)
- FT - Pick up, transport and install loaner equipment in new racks (6hrs @ \$75.00 /hr = \$450.00)
- SUP - Provide and install new 1/2" superflex jumpers from mainline polyphasers to new equipment (4hrs @ \$85.00 /hr = \$340.00)
- FT - Provide and install new 1/2" superflex jumpers from mainline polyphasers to new equipment (4hrs @ \$75.00 /hr = \$300.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$250.00 /unit = \$250.00)
- Connectors (1 @ \$100.00 /unit = \$100.00)
- Supports & labels (1 @ \$50.00 /unit = \$50.00)
- SUP - Provide and install new RG242 interconnect jumpers between all new and existing equipment (10hrs @ \$85.00 /hr = \$850.00)
- FT - Provide and install new RG242 interconnect jumpers between all new and existing equipment (10hrs @ \$75.00 /hr = \$750.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$350.00 /unit = \$350.00)
- Connectors (1 @ \$300.00 /unit = \$300.00)
- Supports & labels (1 @ \$45.00 /unit = \$45.00)
- SUP - Sweep all new jumpers (2hrs @ \$85.00 /hr = \$170.00)
- FT - Sweep all new jumpers (2hrs @ \$75.00 /hr = \$150.00)
- Provide and install new shielded CAT5 from new radios to existing 66 block, punch and test (3hrs @ \$85.00 /hr = \$255.00)
- Provide and install new shielded CAT5 from new radios to existing 66 block, punch and test (3hrs @ \$75.00 /hr = \$225.00)

Materials (coax, connectors, supports and labels)

- Coax (1 @ \$75.00 /unit = \$75.00)
- Connectors (1 @ \$50.00 /unit = \$50.00)
- Supports & labels (1 @ \$25.00 /unit = \$25.00)
- ENG - Provide close-out package with photos, sweeps and as-builts (4hrs @ \$90.00 /hr = \$360.00)



<ul style="list-style-type: none"> <li>• After cutover, return to site and pull old EMR equip, send back for re-tune (5hrs @ \$85.00 /hr = \$425.00)</li> <li>• After cutover, return to site and pull old EMR equip, send back for re-tune (5hrs @ \$75.00 /hr = \$375.00)</li> <li>• EMR re-tuning (1 @ \$1,125.00 /unit = \$1,125.00)</li> <li>• Once EMR equipment is re-tuned, return to site, install unit, provide and install new RG242 jumpers (8hrs @ \$85.00 /hr = \$680.00)</li> <li>• Once EMR equipment is re-tuned, return to site, install unit, provide and install new RG242 jumpers (8hrs @ \$75.00 /hr = \$600.00)</li> </ul> <p>Materials (coax, connectors, supports and labels)</p> <ul style="list-style-type: none"> <li>• Coax (1 @ \$250.00 /unit = \$250.00)</li> <li>• Connectors (1 @ \$150.00 /unit = \$150.00)</li> <li>• Supports &amp; labels (1 @ \$25.00 /unit = \$25.00)</li> <li>• Once existing equipment is cut over perm to narrow, remove and return all loaner equip (5hrs @ \$85.00 /hr = \$425.00)</li> <li>• Once existing equipment is cut over perm to narrow, remove and return all loaner equip (5hrs @ \$75.00 /hr = \$375.00)</li> <li>• Travel time (1 @ \$3,000.00 /unit = \$3,000.00)</li> <li>• Per diem (1 @ \$600.00 /unit = \$600.00)</li> <li>• Fuel/mileage (1 @ \$600.00 /unit = \$600.00)</li> <li>• Lodging (1 @ \$600.00 /unit = \$600.00)</li> <li>• PM - Project management, coordination and admin (4hrs @ \$100.00 /hr = \$400.00)</li> <li>• PC - Project management, coordination and admin (6hrs @ \$90.00 /hr = \$540.00)</li> </ul>		
<p><b>b. Infrastructure Equipment Reconfiguration Equipment/Software:</b></p> <ul style="list-style-type: none"> <li>• Angle Linear - 6 Port Rx splitter - Model No:65814N (7 @ \$172.00 /Each)</li> </ul>	(Vendor) Riverside County	\$1,204.00
<b>Amendment - 4 (New)</b>		
<b>Description of Work To Be Performed</b>	<b>Payee</b>	<b>Estimated Cost(s)</b>
<p><b>I. Subscriber Equipment Reconfiguration</b></p> <ul style="list-style-type: none"> <li>• <b>Subscriber radios Touch One:</b> program fleet to add NPSPAC &amp; State MA channels. Programming will be performed by Riverside County staff. (5000 @ \$50.00 /unit = \$250,000.00)</li> </ul>	(Incumbent) Riverside County	\$250,000.00

<b>II. Professional Services Costs</b> <ul style="list-style-type: none"> <li>Project Management: coordination, supervision and all other necessary activities required to perform the subscriber first touch. Per unit cost. (5000 @ \$5.00 /unit = \$25,000.00)</li> </ul>	(Incumbent) Riverside County	\$25,000.00
<b>Amended Cost Totals:</b>		
Riverside County	Incumbent	\$6,224,968.73
Motorola	Vendor	\$1,591,355.06
Wireless Infrastructure Services	Vendor	\$146,058.00
Total Estimated Costs		\$7,962,381.79

**Certification**

Pursuant to the Order, Incumbent hereby certifies to the Transition Administrator appointed pursuant to the Order that the funds requested above are the minimum necessary to provide Incumbent reconfigured facilities comparable to those presently in use in a manner that is reasonable, prudent and timely. Incumbent further certifies, to the best of Incumbent's knowledge, that any vendor costs identified on the Schedule C are comparable to costs previously charged by each such vendor to Incumbent.

Signature: \_\_\_\_\_  
 Print Name: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Phone Number: \_\_\_\_\_  
 E-mail: \_\_\_\_\_  
 Date: \_\_\_\_\_

FORM APPROVED COUNTY COUNCIL  
 BY: Neal R. Kipnis  
 DATE: 05/16