

**AMENDMENT NO. 10 TO FREQUENCY RECONFIGURATION AGREEMENT**

**THIS AMENDMENT No. 10** (the “Amendment” or “Amendment #10”) shall amend and revise that certain Frequency Reconfiguration Agreement, dated January 8, 2008, as amended, by and between the **County of Orange**, a political subdivision of the state of California (“Incumbent”) and **Nextel of California, Inc.** (“Sprint” and/or “Nextel”), a wholly owned indirect subsidiary of Sprint Corporation, a Delaware corporation (the “Agreement”).

WHEREAS, the Parties signed a Subscriber Early Deployment Frequency Reconfiguration Agreement on January 8, 2008 (“Agreement”).

WHEREAS, the Parties signed Amendment 1 dated October 6, 2008, replacing Schedule C and Schedule D in their entirety with a new Schedule C and new Schedule D, respectively; and,

WHEREAS, the Parties signed Amendment 2 dated April 1, 2010, replacing Schedule C and Schedule D in their entirety with Schedule C-2 and Schedule D-2, respectively; and

WHEREAS, the Parties signed Amendment 3 dated May 28, 2010, replacing Schedule D-2 in its entirety with Schedule D-3; and

WHEREAS, the Parties signed Amendment 4 dated September 7, 2010, replacing Schedule C-2 in its entirety with Schedule C-4; and

WHEREAS, the Parties signed Amendment 5 dated February 7, 2012, replacing Schedule C-4 and Schedule D-3 in their entirety with Schedule C-5 and Schedule D-4 respectively; and

WHEREAS, the Parties signed Amendment 6 dated October 19, 2012, replacing Schedule C-5 in its entirety with Schedule C-6; and

WHEREAS, the Parties signed Amendment 7 dated May 23, 2013, replacing Schedule C-6 and Schedule D-4 in their entirety with Schedule C-7 and Schedule D-5, respectively; and

WHEREAS, the Parties signed Amendment 8 dated March 3, 2015, replacing the original Frequency Reconfiguration Agreement in its entirety with the Partial System Upgrade FRA, attached to the Amendment 8 and executed independently therewith; and

WHEREAS, the Parties signed Amendment 9 dated June 23, 2016; provided, however, the draft signed was a draft version mistakenly signed by the Parties. This draft of Amendment 9, dated June 23, 2016, replaced Schedule C-7 and Schedule D-6 in their entirety with Schedule C-8 and Schedule D-7, respectively. The Parties acknowledge that there are two versions of Amendment 9, with the Amendment 9, dated December 13, 2016, controlling; and

WHEREAS, the Parties signed a second revised Amendment 9 dated December 13, 2016 replacing the Amendment 9, dated June 23, 2016 in its entirety, and replacing Schedule

B, Schedule C-7 and Schedule D-6 in their entirety with Schedule B-1, Schedule C-8, and Schedule D-7, respectively; and

WHEREAS, the Parties now intend to (i) effect another partial upgrade to enable Incumbent to accelerate completion of its rebanding work; (ii) replace Schedule B-1 with Schedule B-2 in its entirety due to Incumbent's election to remain on frequency 855.7125 and to change the replacement frequency for 851.0625; and (iii) replace Schedule C-8 and Schedule D-7 in their entirety with Schedule C-9, and Schedule D-8, respectively.

NOW THEREFORE, in consideration of the mutual covenants contained herein and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties hereby agree to amend and revise the Agreement as follows:

1. That Recital E of the Agreement is deleted and replaced in its entirety with the following language:

“The Parties acknowledge part of the Incumbent's system will be reconfigured in the form of a traditional reconfiguration and part of the Incumbent's system will be reconfigured in the form of a cash-out or a partial system upgrade. The portion of the Reconfiguration to be reconfigured in the form of a traditional reconfiguration consists of (i) all non-duplicative costs payable to Incumbent and its Vendors set forth in Amendments 1 through 7 and Amendment 9 of Schedule C herein, and (ii) all Motorola costs set forth in Amendments 2, 4, 6, 8 and 9 (the “Traditional Reconfiguration”). The portion of the Reconfiguration to be reconfigured in the form of a partial system upgrade consists of (i) Incumbent's costs set forth in Amendment 8 of Schedule C herein, (ii) other costs specifically designated as “upgrade” costs set forth in Amendment 8 of Schedule C herein, and (iii) costs designated as “upgrade” costs set forth in Amendment 10 of Schedule C (the “Partial System Upgrade”). The Parties have agreed that Incumbent will use the negotiated total internal costs outlined herein in order to upgrade their system (the “Partial System Upgrade”).”

2. That Section 3(a)(iii) is deleted and replaced in its entirety with the following language:

“(iii) Incumbent acknowledges that Sprint's payment obligations under this Agreement to allow Incumbent to conduct the Partial System Upgrade shall not exceed the Reconfiguration Cost of **\$9,404,031.76** (the “Partial System Upgrade Cash-Out Amount”).”

3. That Section 3(b)(i) is deleted and replaced in its entirety with the following language:

“(i) Within thirty (30) days of completion of Incumbent's Traditional Reconfiguration and Partial System Upgrade as described in Amendment 8 and prior to the Reconciliation Date (as defined below), Incumbent will submit to Sprint documentation of actual costs that Incumbent reasonably incurred or paid to other entities to reconfigure Incumbent's system (“Actual Costs”). For the Partial System Upgrade as described in Amendment 10, Incumbent will provide a monthly Reporting Summary in the form shown in Exhibit E to Sprint to show progress and completion of the milestones set forth in Schedule C and prior to any payment associated with the Partial System Upgrade for Amendment 10. With respect to the Partial System Upgrade for Amendment 8, the documentation of Actual Costs from Incumbent may include but is not limited to the invoices for Actual Costs that are associated with the purchase of equipment for the

Partial System Upgrade. With respect to the Partial System Upgrade for Amendment 10, Incumbent will submit documentation demonstrating any actual costs Incumbent reasonably incurred or paid to upgrade Incumbent's system as part of the Partial System Upgrade and may include but is not limited to invoices for Actual Costs. Incumbent will only be required to show documentation of Actual Costs for the Partial System Upgrade up to the Partial System Upgrade Cash-Out Amount. With respect to the Traditional Reconfiguration, the documentation of Actual Costs from Incumbent may include but is not limited to the following: (A) invoices for Actual Costs; (B) receipts substantiating the Actual Costs including receipts for any travel expenses incurred by Incumbent such as hotel invoices, airfare receipts, etc.; (C) Actual Costs calculated on a time and materials basis, Incumbent's individual employee work orders, time sheets or associated general ledger records specifying the name of the person or employee performing work for Incumbent, the date work was performed, the hours worked and a description of the activity performed; (D) Actual Costs calculated on a per unit basis, inventory lists and certified statements of the numbers of tasks completed for reconfiguration; and/or (E) the applicable Exhibit B internal labor certifications. Upon receipt by Sprint of the documentation for Actual Costs for the Traditional Reconfiguration and the Partial System Upgrade and, if applicable, subject to Section 20(c) and Section 21(b) as to the Traditional Reconfiguration only, Sprint and Incumbent will separately reconcile the Actual Costs of the Traditional Reconfiguration and the Partial System Upgrade against the payments made by Sprint to Incumbent, Vendor(s) and Motorola (for Motorola Services and/or other Motorola Costs identified on Schedule C) and the Parties will agree upon the amount of any refunds due to Sprint as to either the Traditional Reconfiguration and/or the Partial System Upgrade, provided, however, any refund, if applicable, resulting from the Partial System Upgrade shall be determined solely in accordance with Section 3(a)(iv)F of this Agreement. The effective date of agreement on reconciliation of Actual Costs as to both the Traditional Reconfiguration and the Partial System Upgrade, Motorola Replaced Equipment (as defined in Section 20), Sprint Replaced Equipment (as defined in Section 21) and receipt by Sprint of the Reconciliation Statement signed by Incumbent and Incumbent's counsel is the "Reconciliation Date." Should the Parties be unable to agree upon the amount of the additional payments, the Parties shall follow the dispute resolution procedures detailed in the FCC Order."

4. That Section 5 is deleted and replaced in its entirety with the following language:

**Retuning Cooperation:** Except as provided in the immediately succeeding paragraph, the Parties acknowledge that the number of frequencies and locations covered by this Agreement will require the Parties to cooperate closely in performing their respective reconfiguration activities. The Parties agree that: (i) as of the Effective Date of this Amendment, the Incumbent may begin the reconfiguration of its subscriber units, in accordance with the appropriate sections of Schedule C and Schedule D, (ii) Incumbent may commence such other activities associated with the reconfiguration of its system as further detailed on Schedule C as of the Effective Date; and (iii) the Parties will agree on a schedule to make the FCC filings, clear the Replacement Frequencies and decommission the Incumbent Frequencies (the "Schedule"). Nothing in this Section shall prohibit the Incumbent from beginning work immediately on replacement of the subscriber units and/or subscriber software programming.

The Parties acknowledge that Incumbent has elected to remain on frequency 855.7125 as indicated by Schedule B-2 and that, as a result, Incumbent will be a co-channel licensee with the State of California and San Diego County, California (collectively, "Co-Channel Licensees"). Incumbent agrees that Incumbent will not delay its retune due to this co-

channeling. Further, Incumbent agrees that in the event Co-Channel Licensees receive interference from Incumbent or Incumbent receives interference from Co-Channel Licensees, Incumbent will eliminate the interference, which may include, Incumbent ceasing the interfering operations on frequency 855.7125 until such time as Incumbent and Co-Channel Licensees reach a mutually agreeable solution.”

5. That Section 8 is deleted and replaced in its entirety with the following language:

**Changes:** (a) Subject to Section 3(a)(ii), with respect to the Traditional Reconfiguration of Incumbent’s system, the Parties acknowledge that as the Reconfiguration of Incumbent’s facilities proceeds in accordance with the work contemplated by the Cost Estimate, the need for changes to the scope of such work may arise. The Parties agree that their review of any such needed changes must be performed expeditiously to keep the work on schedule and that they will provide sufficient staff to manage changes. If either Party believes that a change to the work contemplated by the Cost Estimate is required (including changes by Vendors and/or Motorola) except for internal, Vendor, or Motorola costs related to the category of Subscriber Reconfiguration, such Party will promptly notify the other Party in writing. Such written notice (the “Change Notice”) shall set forth (i) a description of the scope of the change to the work contemplated by the Cost Estimate believed to be necessary and (ii) an estimate of any increase or decrease in the Cost Estimate and in the time required to reconfigure Incumbent’s existing facilities to operate on the Replacement Frequencies. A Party receiving a Change Notice shall immediately perform its own analysis of the need for and scope of the change and its impact on the Cost Estimate and schedule and negotiate the change in good faith with the other Party. After the Parties have agreed upon a change to this Agreement, they shall prepare a proposed amendment to this Agreement pursuant to Section 26 and submit to the Transition Administrator a copy of the proposed amendment together with a written request for its approval. Such request shall be accompanied by reasonable documentation supporting the need for and scope of the change and any proposed increase or decrease in the Cost Estimate and in the time required to reconfigure Incumbent’s existing facilities to operate on the Replacement Frequencies. Incumbent is responsible for all unauthorized changes necessary as it relates to work performed by a Vendor and/or Motorola on behalf of Incumbent. No change to the Cost Estimate, the work contemplated by the Cost Estimate or the time required to reconfigure Incumbent’s existing facilities to operate on the Replacement Frequencies shall become effective until both Parties have signed an amendment incorporating such approved change into this Agreement pursuant to Section 26 and the Transition Administrator has approved the amendment in writing. In this regard, in the event that the Transition Administrator is unable to approve the proposed amendment within ten (10) business days, then the deadline by which the Incumbent must clear all users from the Incumbent Frequencies, pursuant to Section 5, will be automatically extended by the number of days beyond ten (10) business days in which the Transition Administrator does not take final action to approve the proposed amendment. Should the Transition Administrator not approve the proposed amendment, either Party may appeal the decision consistent with the FCC Order, in which event the deadline in Section 5 will be extended by the number of days it takes for such appeal to be resolved. If the Parties are unable to agree on modification of this Agreement consistent with the Change Notice, either Party may request mediation consistent with the FCC Order. Once mediation has been requested, the deadline in Section 5 will be extended by the number of days it takes for all appeals to be resolved.

(b) With respect to the Partial System Upgrade, Incumbent hereby expressly agrees that the Partial System Upgrade Cash-Out Amount sets forth a not-to-exceed

amount that Sprint will pay to or on behalf of Incumbent and/or Incumbent's Vendor(s) and any additional costs needed to achieve the Partial System Upgrade are the sole responsibility of Incumbent. In accordance therewith, Incumbent shall neither submit to Sprint a Change Notice for a proposed increase in the Partial System Upgrade Cash-Out Amount nor seek reimbursement from Sprint of any proposed cost increases, if any, resulting from the Partial System Upgrade. However, Incumbent may submit a Change Notice if the limited circumstances identified in Section 8(b)(i) or Section 8(b)(ii) arise but in no event will such a Change Notice contain a proposed increase in the Partial System Upgrade Cash-Out Amount.

(i) The Parties acknowledge that a possibility exists for the discovery of additional equipment by Incumbent subject to replacement. If Incumbent believes that a change to the Replacement Equipment and/or the Replaced Equipment as shown on Schedule D is necessary solely due to the discovery (during the Partial System Upgrade) of additional equipment that would have been subject to replacement, Incumbent will promptly notify Sprint in writing and follow the procedures described in Section 8(a) above.

(ii) If any Party believes that a change to this Agreement is required due to a factual error in this Agreement (such as, a modification to Section 24, Notices, or Schedules A or B) that does not affect the Partial System Upgrade Cash-Out Amount, such Party will promptly submit a Change Notice to the other Parties.

(c) With respect to Incumbent's Subscriber Reconfiguration, the Parties have agreed, pursuant to a negotiated settlement ("Settlement"), facilitated by the FCC, to allow Incumbent to expedite Incumbent's rebanding obligations as described in this Agreement. This Agreement represents the terms and conditions of the Settlement. In accordance therewith, any additional costs of Incumbent, its Vendor(s), and/or Motorola needed to achieve the Subscriber Reconfiguration of Incumbent's 800 MHz system are the sole responsibility of Incumbent. Incumbent shall neither submit to Sprint a change notice for a proposed increase in the Cost Estimate nor seek reimbursement from Sprint of any proposed cost increases.

6. That the following language from Section 9 is deleted:

"Notwithstanding the foregoing, the Parties acknowledge that the Closing under this Agreement cannot occur until a minimum of one hundred eighty (180) days have elapsed from the completion of all physical work relating to the Reconfiguration."

7. Interference: Incumbent agrees that, if it encounters interference on a channel it will continue to perform its Rebanding tasks as scheduled except for retuning its site repeaters to that channel in question and except for retuning any repeaters that are trunked in a system with the channel being interfered with. Incumbent also agrees to reorder its Rebanding tasks so that resources and personnel can continue Rebanding while delaying the repeater retunes associated with the found interference while it is being investigated. Sprint understands that the Incumbent may decide to retune a system even if there are signs of possible interference on a channel.


8. Schedule B: Schedule B-1 to the Agreement is deleted and replaced in its entirety with Schedule B-2 attached hereto.

9. Schedule C: Schedule C-8 to the Agreement is deleted and replaced in its entirety with Schedule C-9 attached hereto.
10. Schedule D: Schedule D-7 to the Agreement is deleted and replaced in its entirety with the Schedule D-8 attached hereto.
11. Exhibit C: Per Section 3(a)(iv)(H) The Exhibit to Illustrate Compliance with Transition Administrator Upgrade Policy is added as a supplement to Exhibit C and is attached hereto.
12. Exhibit D: Incumbent has agreed to sign a waiver and consent to Sprint using LTE/CDMA in the Southern California NPSPAC Region 5. A copy of that Waiver signed by the Incumbent is attached to this Amendment 10 as Exhibit D.
13. Exhibit E: A copy of the Reporting Summary to be submitted monthly by the Incumbent to Sprint is attached as Exhibit E.
14. All capitalized terms not defined herein shall have the definitions set forth in the Agreement.
15. In the event of any inconsistencies between the terms and conditions contained in the Agreement and the terms and conditions contained in this Amendment, the terms and conditions contained herein shall control
16. Except as set forth above, there are no other revisions or amendments to the Agreement or to the obligations of Sprint or Incumbent.


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IN WITNESS WHEREOF, the Parties hereto, intending to be legally bound, have duly executed this Amendment as of this 20th day of JULY, 2017.

**INCUMBENT:**  
County of Orange

By:   
Name: DAVE FONTNEAL  
Title: DIRECTOR  
7-19-17

**SPRINT:**  
Nextel of California,  
Inc.

By:   
Name: Patricia C. Tikkala  
Title: VP Spectrum

APPROVED AS TO FORM  
  
COUNTY COUNSEL OF  
ORANGE COUNTY, CALIFORNIA  
07.18.2017

**SCHEDULE B-2**

The related mobile frequencies and/or station classes for the Replacement Frequencies listed in this Schedule B, will be assigned from Sprint to Incumbent based on the Incumbent Licenses listed in Schedule A.

**Sprint Assigns to Incumbent:**

Call Sign	Replacement Frequency	Licensee	Location	Latitude (N)	Longitude (W)	Gnd Elev (ft)	Ant Hgt (ft)	ERP (w)
KDN669	860.8625	Orange, County Of, CA	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	875	125	220
KDN669	860.8625	Orange, County Of, CA	LAGUNA BEACH, CA	33-33-2.1	117-47-8.2	438	75	500
KDN669	860.8625	Orange, County Of, CA	NEWPORT BEACH, CA	33-36-20.1	117-48-39.2	1148	120	220
KDN669	860.8625	Orange, County Of, CA	SILVERADO, CA	33-42-35.1	117-32-5.2	5645	120	1000
KDN669	860.8625	Orange, County Of, CA	SILVERADO, CA	33-50-58.1	117-39-17.2	3004	120	1000
KDN669	860.8625	Orange, County Of, CA	ORANGE, CA	35-45-53.8	117-44-47.2	1290	170	220
WNFH925	no retune (855.7125)	Orange, County Of, CA	MODJESKA, CA	33-42-33.1	117-39-16.2	1757	120	500
WNFH925	860.8625	Orange, County Of, CA	MODJESKA, CA	33-42-33.1	117-39-16.2	1757	120	500
WNFH925	no retune (855.7125)	Orange, County Of, CA	SILVERADO, CA	33-42-35.1	117-32-5.2	5645	120	1000
WNFH925	860.8625	Orange, County Of, CA	SILVERADO, CA	33-42-35.1	117-32-5.2	5645	120	1000
WNFH925	no retune (855.7125)	Orange, County Of, CA	SEAL BEACH, CA	33-45-24.1	118-5-6.2	16	178	500
WNFH925	860.8625	Orange, County Of, CA	SEAL BEACH, CA	33-45-24.1	118-5-6.2	16	178	500
WNFH925	no retune (855.7125)	Orange, County Of, CA	SILVERADO, CA	33-50-58.1	117-39-17.2	3004	120	1000
WNFH925	860.8625	Orange, County Of, CA	SILVERADO, CA	33-50-58.1	117-39-17.2	3004	120	1000
WNFH925	no retune (855.7125)	Orange, County Of, CA	FULLERTON, CA	33-54-19	117-57-44.2	599	130	500
WNFH925	860.8625	Orange, County Of, CA	FULLERTON, CA	33-54-19	117-57-44.2	599	130	500
WNFH925	no retune (855.7125)	Orange, County Of, CA	BREA, CA	33-56-23	117-49-31.2	1350	140	500
WNFH925	860.8625	Orange, County Of, CA	BREA, CA	33-56-23	117-49-31.2	1350	140	500
WNHV478	no retune (855.7125)	Orange, County Of, CA	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	876	125	220
WNHV478	860.8625	Orange, County Of, CA	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	876	125	220
WNHV478	no retune (855.7125)	Orange, County Of, CA	LAGUNA BEACH, CA	33-32-43.1	117-45-12.2	988	75	220



Call Sign	Replacement Frequency	Licensee	Location	Latitude (N)	Longitude (W)	Gnd Elev (ft)	Ant Hgt (ft)	ERP (w)
WNHV478	860.8625	Orange, County Of, CA	LAGUNA BEACH, CA	33-32-43.1	117-45-12.2	988	75	220
WNHV478	no retune (855.7125)	Orange, County Of, CA	LAGUNA BEACH, CA	33-33-2.1	117-47-8.2	436	75	500
WNHV478	860.8625	Orange, County Of, CA	LAGUNA BEACH, CA	33-33-2.1	117-47-8.2	436	75	500
WNHV478	no retune (855.7125)	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	220
WNHV478	860.8625	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	220
WNHV478	no retune (855.7125)	Orange, County Of, CA	ORANGE, CA	33-46-57.1	117-53-17.2	125	207	500
WNHV478	860.8625	Orange, County Of, CA	ORANGE, CA	33-46-57.1	117-53-17.2	125	207	500
WNHV478	no retune (855.7125)	Orange, County Of, CA	BREA, CA	33-56-8	117-50-22.2	1001	66	500
WNHV478	860.8625	Orange, County Of, CA	BREA, CA	33-56-8	117-50-22.2	1001	66	500
WNHV479	no retune (855.7125)	Orange, County Of, CA	NEWPORT BEACH, CA	33-36-20.1	117-48-39.2	1152	108	220
WNHV479	860.8625	Orange, County Of, CA	NEWPORT BEACH, CA	33-36-20.1	117-48-39.2	1152	108	220
WNHV479	no retune (855.7125)	Orange, County Of, CA	SILVERADO, CA	33-44-46.1	117-37-4.2	1385	85	500
WNHV479	860.8625	Orange, County Of, CA	SILVERADO, CA	33-44-46.1	117-37-4.2	1385	85	500
WNHV479	no retune (855.7125)	Orange, County Of, CA	WESTMINSTER, CA	33-45-23.1	117-59-13.2	43	56	500
WNHV479	860.8625	Orange, County Of, CA	WESTMINSTER, CA	33-45-23.1	117-59-13.2	43	56	500
WNHV480	no retune (855.7125)	Orange, County Of, CA	LAGUNA NIGUEL, CA	33-30-45.1	117-43-58.2	922	85	220
WNHV480	860.8625	Orange, County Of, CA	LAGUNA NIGUEL, CA	33-30-45.1	117-43-58.2	922	85	220
WNHV480	no retune (855.7125)	Orange, County Of, CA	SAN JUAN CAPISTRANO, CA	33-30-9.1	117-36-7.2	1129	131	220
WNHV480	860.8625	Orange, County Of, CA	SAN JUAN CAPISTRANO, CA	33-30-9.1	117-36-7.2	1129	131	220
WNHV480	no retune (855.7125)	Orange, County Of, CA	YORBA LINDA, CA	33-53-38.1	117-44-39.2	942	121	500
WNHV480	860.8625	Orange, County Of, CA	YORBA LINDA, CA	33-53-38.1	117-44-39.2	942	121	500
WNIB734	859.5625	Orange, County Of, CA	MODJESKA, CA	33-42-33.1	117-39-16.2	1757	120	1000
WNIB734	no retune (855.7125)	Orange, County Of, CA	MODJESKA, CA	33-42-33.1	117-39-16.2	1757	120	1000
WNRM448	859.5625	Orange, County Of, CA	AVALON, CA	33-23-12.1	118-24-3.3	2011	62	160
WNRM448	859.5625	Orange, County Of, CA	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	876	112	220
WNSF261	857.3875	Orange, County Of, CA	LAGUNA BEACH, CA	33-33-2.1	117-47-8.2	438	75	500

Call Sign	Replacement Frequency	Licensee	Location	Latitude (N)	Longitude (W)	Gnd Elev (ft)	Ant Hgt (ft)	ERP (w)
WNSS311	851.125	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	400
WNSS311	851.15	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	96
WNSS311	851.175	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	400
WNSS311	851.375	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	400
WNSS311	851.4	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	96
WNSS311	851.625	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	400
WNSS311	851.65	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	96
WNSS311	851.675	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	96
WNSS311	851.875	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	400
WNSS311	851.9	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	96
WNSS311	852.125	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	400
WNSS311	852.15	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	96
WNSS311	852.175	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	96
WNSS311	852.375	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	400
WNSS311	852.4	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	96
WNSS311	852.625	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	400
WNSS311	852.65	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	96
WNSS311	852.675	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	96
WNSS311	852.825	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	400
WNSS311	852.875	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	400
WNSS311	852.9	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	96
WNSS311	853.125	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	400
WNSS311	853.15	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	96
WNSS311	853.175	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	96
WNSS311	853.375	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	400
WNSS311	853.4	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	96

Call Sign	Replacement Frequency	Licensee	Location	Latitude (N)	Longitude (W)	Gnd Elev (ft)	Ant Hgt (ft)	ERP (w)
WNSS311	853.625	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	400
WNSS311	853.65	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	96
WNSS311	853.675	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	400
WNSS311	853.925	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	400
WNSS312	851.125	Orange, County Of, CA	CA					10
WNSS312	851.15	Orange, County Of, CA	CA					10
WNSS312	851.175	Orange, County Of, CA	CA					10
WNSS312	851.2	Orange, County Of, CA	CA					10
WNSS312	851.2125	Orange, County Of, CA	CA					10
WNSS312	851.325	Orange, County Of, CA	CA					10
WNSS312	851.35	Orange, County Of, CA	CA					10
WNSS312	851.375	Orange, County Of, CA	CA					10
WNSS312	851.4	Orange, County Of, CA	CA					10
WNSS312	851.625	Orange, County Of, CA	CA					10
WNSS312	851.65	Orange, County Of, CA	CA					10
WNSS312	851.675	Orange, County Of, CA	CA					10
WNSS312	851.7	Orange, County Of, CA	CA					10
WNSS312	851.7125	Orange, County Of, CA	CA					10
WNSS312	851.825	Orange, County Of, CA	CA					10
WNSS312	851.85	Orange, County Of, CA	CA					10
WNSS312	851.875	Orange, County Of, CA	CA					10
WNSS312	851.9	Orange, County Of, CA	CA					10
WNSS312	852.125	Orange, County Of, CA	CA					10
WNSS312	852.15	Orange, County Of, CA	CA					10
WNSS312	852.175	Orange, County Of, CA	CA					10
WNSS312	852.2	Orange, County Of, CA	CA					10

<b>Call Sign</b>	<b>Replacement Frequency</b>	<b>Licensee</b>	<b>Location</b>	<b>Latitude (N)</b>	<b>Longitude (W)</b>	<b>Gnd Elev (ft)</b>	<b>Ant Hgt (ft)</b>	<b>ERP (w)</b>
WNSS312	852.2125	Orange, County Of, CA	CA					10
WNSS312	852.325	Orange, County Of, CA	CA					10
WNSS312	852.35	Orange, County Of, CA	CA					10
WNSS312	852.375	Orange, County Of, CA	CA					10
WNSS312	852.4	Orange, County Of, CA	CA					10
WNSS312	852.625	Orange, County Of, CA	CA					10
WNSS312	852.65	Orange, County Of, CA	CA					10
WNSS312	852.675	Orange, County Of, CA	CA					10
WNSS312	852.7	Orange, County Of, CA	CA					10
WNSS312	852.7125	Orange, County Of, CA	CA					10
WNSS312	852.825	Orange, County Of, CA	CA					10
WNSS312	852.85	Orange, County Of, CA	CA					10
WNSS312	852.875	Orange, County Of, CA	CA					10
WNSS312	852.9	Orange, County Of, CA	CA					10
WNSS312	853.125	Orange, County Of, CA	CA					10
WNSS312	853.15	Orange, County Of, CA	CA					10
WNSS312	853.175	Orange, County Of, CA	CA					10
WNSS312	853.2	Orange, County Of, CA	CA					10
WNSS312	853.2125	Orange, County Of, CA	CA					10
WNSS312	853.3125	Orange, County Of, CA	CA					10
WNSS312	853.325	Orange, County Of, CA	CA					10
WNSS312	853.35	Orange, County Of, CA	CA					10
WNSS312	853.375	Orange, County Of, CA	CA					10
WNSS312	853.4	Orange, County Of, CA	CA					10
WNSS312	853.55	Orange, County Of, CA	CA					10
WNSS312	853.625	Orange, County Of, CA	CA					10

<b>Call Sign</b>	<b>Replacement Frequency</b>	<b>Licensee</b>	<b>Location</b>	<b>Latitude (N)</b>	<b>Longitude (W)</b>	<b>Gnd Elev (ft)</b>	<b>Ant Hgt (ft)</b>	<b>ERP (w)</b>
WNSS312	853.65	Orange, County Of, CA	CA					10
WNSS312	853.675	Orange, County Of, CA	CA					10
WNSS312	853.7	Orange, County Of, CA	CA					10
WNSS312	853.7125	Orange, County Of, CA	CA					10
WNSS312	853.825	Orange, County Of, CA	CA					10
WNSS312	853.925	Orange, County Of, CA	CA					10
WNSS312	853.9625	Orange, County Of, CA	CA					10
WNSS313	851.125	Orange, County Of, CA	CA					1000
WNSS313	851.15	Orange, County Of, CA	CA					1000
WNSS313	851.175	Orange, County Of, CA	CA					1000
WNSS313	851.2	Orange, County Of, CA	CA					1000
WNSS313	851.2125	Orange, County Of, CA	CA					1000
WNSS313	851.325	Orange, County Of, CA	CA					1000
WNSS313	851.35	Orange, County Of, CA	CA					1000
WNSS313	851.375	Orange, County Of, CA	CA					1000
WNSS313	851.4	Orange, County Of, CA	CA					1000
WNSS313	851.625	Orange, County Of, CA	CA					1000
WNSS313	851.65	Orange, County Of, CA	CA					1000
WNSS313	851.675	Orange, County Of, CA	CA					1000
WNSS313	851.7	Orange, County Of, CA	CA					1000
WNSS313	851.7125	Orange, County Of, CA	CA					1000
WNSS313	851.825	Orange, County Of, CA	CA					1000
WNSS313	851.85	Orange, County Of, CA	CA					1000
WNSS313	851.875	Orange, County Of, CA	CA					1000
WNSS313	851.9	Orange, County Of, CA	CA					1000
WNSS313	852.125	Orange, County Of, CA	CA					1000

<b>Call Sign</b>	<b>Replacement Frequency</b>	<b>Licensee</b>	<b>Location</b>	<b>Latitude (N)</b>	<b>Longitude (W)</b>	<b>Gnd Elev (ft)</b>	<b>Ant Hgt (ft)</b>	<b>ERP (w)</b>
WNSS313	852.15	Orange, County Of, CA	CA					1000
WNSS313	852.175	Orange, County Of, CA	CA					1000
WNSS313	852.2	Orange, County Of, CA	CA					1000
WNSS313	852.2125	Orange, County Of, CA	CA					1000
WNSS313	852.325	Orange, County Of, CA	CA					1000
WNSS313	852.35	Orange, County Of, CA	CA					1000
WNSS313	852.375	Orange, County Of, CA	CA					1000
WNSS313	852.4	Orange, County Of, CA	CA					1000
WNSS313	852.625	Orange, County Of, CA	CA					1000
WNSS313	852.65	Orange, County Of, CA	CA					1000
WNSS313	852.675	Orange, County Of, CA	CA					1000
WNSS313	852.7	Orange, County Of, CA	CA					1000
WNSS313	852.7125	Orange, County Of, CA	CA					1000
WNSS313	852.825	Orange, County Of, CA	CA					1000
WNSS313	852.85	Orange, County Of, CA	CA					1000
WNSS313	852.875	Orange, County Of, CA	CA					1000
WNSS313	852.9	Orange, County Of, CA	CA					1000
WNSS313	853.125	Orange, County Of, CA	CA					1000
WNSS313	853.15	Orange, County Of, CA	CA					1000
WNSS313	853.175	Orange, County Of, CA	CA					1000
WNSS313	853.2	Orange, County Of, CA	CA					1000
WNSS313	853.2125	Orange, County Of, CA	CA					1000
WNSS313	853.3125	Orange, County Of, CA	CA					1000
WNSS313	853.325	Orange, County Of, CA	CA					1000
WNSS313	853.35	Orange, County Of, CA	CA					1000
WNSS313	853.375	Orange, County Of, CA	CA					1000

<b>Call Sign</b>	<b>Replacement Frequency</b>	<b>Licensee</b>	<b>Location</b>	<b>Latitude (N)</b>	<b>Longitude (W)</b>	<b>Gnd Elev (ft)</b>	<b>Ant Hgt (ft)</b>	<b>ERP (w)</b>
WNSS313	853.4	Orange, County Of, CA	CA					1000
WNSS313	853.55	Orange, County Of, CA	CA					1000
WNSS313	853.625	Orange, County Of, CA	CA					1000
WNSS313	853.65	Orange, County Of, CA	CA					1000
WNSS313	853.675	Orange, County Of, CA	CA					1000
WNSS313	853.7	Orange, County Of, CA	CA					1000
WNSS313	853.7125	Orange, County Of, CA	CA					1000
WNSS313	853.825	Orange, County Of, CA	CA					1000
WNSS313	853.925	Orange, County Of, CA	CA					1000
WNSS313	853.9625	Orange, County Of, CA	CA					1000
WNSS314	806.125	Orange, County Of, CA	CA					10
WNSS314	806.15	Orange, County Of, CA	CA					10
WNSS314	806.175	Orange, County Of, CA	CA					10
WNSS314	806.2	Orange, County Of, CA	CA					10
WNSS314	806.2125	Orange, County Of, CA	CA					10
WNSS314	806.325	Orange, County Of, CA	CA					10
WNSS314	806.35	Orange, County Of, CA	CA					10
WNSS314	806.375	Orange, County Of, CA	CA					10
WNSS314	806.4	Orange, County Of, CA	CA					10
WNSS314	806.625	Orange, County Of, CA	CA					10
WNSS314	806.65	Orange, County Of, CA	CA					10
WNSS314	806.675	Orange, County Of, CA	CA					10
WNSS314	806.7	Orange, County Of, CA	CA					10
WNSS314	806.7125	Orange, County Of, CA	CA					10
WNSS314	806.825	Orange, County Of, CA	CA					10
WNSS314	806.85	Orange, County Of, CA	CA					10

<b>Call Sign</b>	<b>Replacement Frequency</b>	<b>Licensee</b>	<b>Location</b>	<b>Latitude (N)</b>	<b>Longitude (W)</b>	<b>Gnd Elev (ft)</b>	<b>Ant Hgt (ft)</b>	<b>ERP (w)</b>
WNSS314	806.875	Orange, County Of, CA	CA					10
WNSS314	806.9	Orange, County Of, CA	CA					10
WNSS314	807.125	Orange, County Of, CA	CA					10
WNSS314	807.15	Orange, County Of, CA	CA					10
WNSS314	807.175	Orange, County Of, CA	CA					10
WNSS314	807.2	Orange, County Of, CA	CA					10
WNSS314	807.2125	Orange, County Of, CA	CA					10
WNSS314	807.325	Orange, County Of, CA	CA					10
WNSS314	807.35	Orange, County Of, CA	CA					10
WNSS314	807.375	Orange, County Of, CA	CA					10
WNSS314	807.4	Orange, County Of, CA	CA					10
WNSS314	807.625	Orange, County Of, CA	CA					10
WNSS314	807.65	Orange, County Of, CA	CA					10
WNSS314	807.675	Orange, County Of, CA	CA					10
WNSS314	807.7	Orange, County Of, CA	CA					10
WNSS314	807.7125	Orange, County Of, CA	CA					10
WNSS314	807.825	Orange, County Of, CA	CA					10
WNSS314	807.85	Orange, County Of, CA	CA					10
WNSS314	807.875	Orange, County Of, CA	CA					10
WNSS314	807.9	Orange, County Of, CA	CA					10
WNSS314	808.125	Orange, County Of, CA	CA					10
WNSS314	808.15	Orange, County Of, CA	CA					10
WNSS314	808.175	Orange, County Of, CA	CA					10
WNSS314	808.2	Orange, County Of, CA	CA					10
WNSS314	808.2125	Orange, County Of, CA	CA					10
WNSS314	808.3125	Orange, County Of, CA	CA					10



<b>Call Sign</b>	<b>Replacement Frequency</b>	<b>Licensee</b>	<b>Location</b>	<b>Latitude (N)</b>	<b>Longitude (W)</b>	<b>Gnd Elev (ft)</b>	<b>Ant Hgt (ft)</b>	<b>ERP (w)</b>
WNSS314	808.325	Orange, County Of, CA	CA					10
WNSS314	808.35	Orange, County Of, CA	CA					10
WNSS314	808.375	Orange, County Of, CA	CA					10
WNSS314	808.4	Orange, County Of, CA	CA					10
WNSS314	808.55	Orange, County Of, CA	CA					10
WNSS314	808.625	Orange, County Of, CA	CA					10
WNSS314	808.65	Orange, County Of, CA	CA					10
WNSS314	808.675	Orange, County Of, CA	CA					10
WNSS314	808.7	Orange, County Of, CA	CA					10
WNSS314	808.7125	Orange, County Of, CA	CA					10
WNSS314	808.825	Orange, County Of, CA	CA					10
WNSS314	808.925	Orange, County Of, CA	CA					10
WNSS314	808.9625	Orange, County Of, CA	CA					10
WNSS372	853.5375	Orange, County Of, CA	AVALON, CA	33-23-12.1	118-24-3.3	2011	62	160
WNSS372	853.5375	Orange, County Of, CA	SILVERADO, CA	33-44-46.1	117-37-4.2	1385	85	100
WNSS372	851.1	Orange, County Of, CA	CA					10
WNSS372	851.2125	Orange, County Of, CA	CA					10
WNSS372	851.2125	Orange, County Of, CA	CA					100
WNSS372	851.2375	Orange, County Of, CA	CA					10
WNSS372	851.2625	Orange, County Of, CA	CA					10
WNSS372	851.2875	Orange, County Of, CA	CA					10
WNSS372	851.425	Orange, County Of, CA	CA					10
WNSS372	851.45	Orange, County Of, CA	CA					10
WNSS372	851.6	Orange, County Of, CA	CA					10
WNSS372	851.7125	Orange, County Of, CA	CA					10
WNSS372	851.7125	Orange, County Of, CA	CA					100

<b>Call Sign</b>	<b>Replacement Frequency</b>	<b>Licensee</b>	<b>Location</b>	<b>Latitude (N)</b>	<b>Longitude (W)</b>	<b>Gnd Elev (ft)</b>	<b>Ant Hgt (ft)</b>	<b>ERP (w)</b>
WNSS372	851.7375	Orange, County Of, CA	CA					10
WNSS372	851.7625	Orange, County Of, CA	CA					10
WNSS372	851.7875	Orange, County Of, CA	CA					10
WNSS372	851.925	Orange, County Of, CA	CA					10
WNSS372	852.1	Orange, County Of, CA	CA					10
WNSS372	852.2125	Orange, County Of, CA	CA					10
WNSS372	852.2125	Orange, County Of, CA	CA					100
WNSS372	852.2375	Orange, County Of, CA	CA					10
WNSS372	852.2625	Orange, County Of, CA	CA					10
WNSS372	852.2875	Orange, County Of, CA	CA					10
WNSS372	852.425	Orange, County Of, CA	CA					10
WNSS372	852.6	Orange, County Of, CA	CA					10
WNSS372	852.7125	Orange, County Of, CA	CA					10
WNSS372	852.7125	Orange, County Of, CA	CA					100
WNSS372	852.7375	Orange, County Of, CA	CA					10
WNSS372	852.7625	Orange, County Of, CA	CA					10
WNSS372	852.7875	Orange, County Of, CA	CA					10
WNSS372	852.925	Orange, County Of, CA	CA					10
WNSS372	853.1	Orange, County Of, CA	CA					10
WNSS372	853.2125	Orange, County Of, CA	CA					10
WNSS372	853.2125	Orange, County Of, CA	CA					100
WNSS372	853.2375	Orange, County Of, CA	CA					10
WNSS372	853.2625	Orange, County Of, CA	CA					10
WNSS372	853.2875	Orange, County Of, CA	CA					10
WNSS372	853.3125	Orange, County Of, CA	CA					10
WNSS372	853.3125	Orange, County Of, CA	CA					100

Call Sign	Replacement Frequency	Licensee	Location	Latitude (N)	Longitude (W)	Gnd Elev (ft)	Ant Hgt (ft)	ERP (w)
WNSS372	853.425	Orange, County Of, CA	CA					10
WNSS372	853.5375	Orange, County Of, CA	CA					10
WNSS372	853.5375	Orange, County Of, CA	CA					100
WNSS372	853.55	Orange, County Of, CA	CA					10
WNSS372	853.55	Orange, County Of, CA	CA					100
WNSS372	853.6	Orange, County Of, CA	CA					10
WNSS372	853.7125	Orange, County Of, CA	CA					10
WNSS372	853.7125	Orange, County Of, CA	CA					100
WNSS372	853.7375	Orange, County Of, CA	CA					10
WNSS372	853.7625	Orange, County Of, CA	CA					10
WNSS372	853.7875	Orange, County Of, CA	CA					10
WNSS372	853.85	Orange, County Of, CA	CA					10
WNSS372	853.85	Orange, County Of, CA	CA					100
WNSS372	853.875	Orange, County Of, CA	CA					10
WNSS372	853.875	Orange, County Of, CA	CA					100
WNSS372	853.95	Orange, County Of, CA	CA					10
WNSS372	853.95	Orange, County Of, CA	CA					100
WNSS372	853.9625	Orange, County Of, CA	CA					10
WNSS372	853.9625	Orange, County Of, CA	CA					100
WPIT431	851.0125	California, State of	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	876	125	50
WPIT431	851.5125	California, State of	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	876	125	50
WPIT431	852.0125	California, State of	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	876	125	50
WPIT431	852.5125	California, State of	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	876	125	50
WPIT431	853.0125	California, State of	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	876	125	50
WPIT431	853.5125	California, State of	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	876	125	50
WPIT431	853.9875	California, State of	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	876	125	50

Call Sign	Replacement Frequency	Licensee	Location	Latitude (N)	Longitude (W)	Gnd Elev (ft)	Ant Hgt (ft)	ERP (w)
WPIT435	851.0125	California, State of	SAN JUAN CAPISTRANO, CA	33-30-9.1	117-36-7.2	1129	131	50
WPIT435	851.5125	California, State of	SAN JUAN CAPISTRANO, CA	33-30-9.1	117-36-7.2	1129	131	50
WPIT435	852.0125	California, State of	SAN JUAN CAPISTRANO, CA	33-30-9.1	117-36-7.2	1129	131	50
WPIT435	852.5125	California, State of	SAN JUAN CAPISTRANO, CA	33-30-9.1	117-36-7.2	1129	131	50
WPIT435	853.0125	California, State of	SAN JUAN CAPISTRANO, CA	33-30-9.1	117-36-7.2	1129	131	50
WPIT439	851.0125	California, State of	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	50
WPIT439	851.5125	California, State of	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	50
WPIT439	852.0125	California, State of	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	50
WPIT439	852.5125	California, State of	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	50
WPIT439	853.0125	California, State of	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	50
WPIT439	853.5125	California, State of	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	50
WPIT439	853.9875	California, State of	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	50
WPIT443	851.0125	California, State of	BREA, CA	33-56-23	117-49-31.2	1348	141	50
WPIT443	851.5125	California, State of	BREA, CA	33-56-23	117-49-31.2	1348	141	50
WPIT443	852.0125	California, State of	BREA, CA	33-56-23	117-49-31.2	1348	141	50
WPIT443	852.5125	California, State of	BREA, CA	33-56-23	117-49-31.2	1348	141	50
WPIT443	853.0125	California, State of	BREA, CA	33-56-23	117-49-31.2	1348	141	50
WPIT443	853.5125	California, State of	BREA, CA	33-56-23	117-49-31.2	1348	141	50
WPIT443	853.9875	California, State of	BREA, CA	33-56-23	117-49-31.2	1348	141	50
WPIT447	851.0125	California, State of	SILVERADO, CA	33-44-47.1	117-37-4.2	1391	56	50
WPIT447	851.5125	California, State of	SILVERADO, CA	33-44-47.1	117-37-4.2	1391	56	50
WPIT447	852.0125	California, State of	SILVERADO, CA	33-44-47.1	117-37-4.2	1391	56	50
WPIT447	852.5125	California, State of	SILVERADO, CA	33-44-47.1	117-37-4.2	1391	56	50
WPIT447	853.0125	California, State of	SILVERADO, CA	33-44-47.1	117-37-4.2	1391	56	50
WPIT451	851.0125	California, State of	CORONA DEL MAR, CA	33-36-20.1	117-48-39.2	1152	121	50
WPIT451	851.5125	California, State of	CORONA DEL MAR, CA	33-36-20.1	117-48-39.2	1152	121	50
WPIT451	852.0125	California, State of	CORONA DEL MAR, CA	33-36-20.1	117-48-39.2	1152	121	50
WPIT451	852.5125	California, State of	CORONA DEL MAR, CA	33-36-20.1	117-48-39.2	1152	121	50
WPIT451	853.0125	California, State of	CORONA DEL MAR, CA	33-36-20.1	117-48-39.2	1152	121	50
WPIT451	853.5125	California, State of	CORONA DEL MAR, CA	33-36-20.1	117-48-39.2	1152	121	50
WPIT451	853.9875	California, State of	CORONA DEL MAR, CA	33-36-20.1	117-48-39.2	1152	121	50
WPIT455	851.0125	California, State of	CORONA, CA	33-50-58.1	117-39-17.2	3005	121	50
WPIT455	851.5125	California, State of	CORONA, CA	33-50-58.1	117-39-17.2	3005	121	50
WPIT455	852.0125	California, State of	CORONA, CA	33-50-58.1	117-39-17.2	3005	121	50
WPIT455	852.5125	California, State of	CORONA, CA	33-50-58.1	117-39-17.2	3005	121	50
WPIT455	853.0125	California, State of	CORONA, CA	33-50-58.1	117-39-17.2	3005	121	50
WPIT455	853.5125	California, State of	CORONA, CA	33-50-58.1	117-39-17.2	3005	121	50
WPIT455	853.9875	California, State of	CORONA, CA	33-50-58.1	117-39-17.2	3005	121	50
WPIT716	851.0125	California, State of	CORONA, CA	33-42-35.1	117-32-5.2	5646	121	50
WPIT716	851.5125	California, State of	CORONA, CA	33-42-35.1	117-32-5.2	5646	121	50

Call Sign	Replacement Frequency	Licensee	Location	Latitude (N)	Longitude (W)	Gnd Elev (ft)	Ant Hgt (ft)	ERP (w)
WPIT716	852.0125	California, State of	CORONA, CA	33-42-35.1	117-32-5.2	5646	121	50
WPIT716	852.5125	California, State of	CORONA, CA	33-42-35.1	117-32-5.2	5646	121	50
WPIT716	853.0125	California, State of	CORONA, CA	33-42-35.1	117-32-5.2	5646	121	50
WPIT716	853.5125	California, State of	CORONA, CA	33-42-35.1	117-32-5.2	5646	121	50
WPIT716	853.9875	California, State of	CORONA, CA	33-42-35.1	117-32-5.2	5646	121	50
WPIT717	851.0125	California, State of	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	50
WPIT717	851.5125	California, State of	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	50
WPIT717	852.0125	California, State of	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	50
WPIT717	852.5125	California, State of	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	50
WPIT717	853.0125	California, State of	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	50
WPIT718	851.0125	California, State of	LAGUNA BEACH, CA	33-33-1.1	117-47-9.2	381	98	50
WPIT718	851.5125	California, State of	LAGUNA BEACH, CA	33-33-1.1	117-47-9.2	381	98	50
WPIT718	852.0125	California, State of	LAGUNA BEACH, CA	33-33-1.1	117-47-9.2	381	98	50
WPIT718	852.5125	California, State of	LAGUNA BEACH, CA	33-33-1.1	117-47-9.2	381	98	50
WPIT718	853.0125	California, State of	LAGUNA BEACH, CA	33-33-1.1	117-47-9.2	381	98	50
WPIT718	853.5125	California, State of	LAGUNA BEACH, CA	33-33-1.1	117-47-9.2	381	98	50
WPIT718	853.9875	California, State of	LAGUNA BEACH, CA	33-33-1.1	117-47-9.2	381	98	50
WPIT720	851.0125	California, State of	WESTMINSTER, CA	33-45-23.1	117-59-13.2	43	75	50
WPIT720	851.5125	California, State of	WESTMINSTER, CA	33-45-23.1	117-59-13.2	43	75	50
WPIT720	852.0125	California, State of	WESTMINSTER, CA	33-45-23.1	117-59-13.2	43	75	50
WPIT720	852.5125	California, State of	WESTMINSTER, CA	33-45-23.1	117-59-13.2	43	75	50
WPIT720	853.0125	California, State of	WESTMINSTER, CA	33-45-23.1	117-59-13.2	43	75	50
WPIT721	851.0125	California, State of	FULLERTON, CA	33-53-31.1	117-54-9.2	479	161	50
WPIT721	851.5125	California, State of	FULLERTON, CA	33-53-31.1	117-54-9.2	479	161	50
WPIT721	852.0125	California, State of	FULLERTON, CA	33-53-31.1	117-54-9.2	479	161	50
WPIT721	852.5125	California, State of	FULLERTON, CA	33-53-31.1	117-54-9.2	479	161	50
WPIT721	853.0125	California, State of	FULLERTON, CA	33-53-31.1	117-54-9.2	479	161	50
WPIT722	851.0125	California, State of	LAGUNA BEACH, CA	33-33-16.1	117-48-23.2	39	108	50
WPIT722	851.5125	California, State of	LAGUNA BEACH, CA	33-33-16.1	117-48-23.2	39	108	50
WPIT722	852.0125	California, State of	LAGUNA BEACH, CA	33-33-16.1	117-48-23.2	39	108	50
WPIT722	852.5125	California, State of	LAGUNA BEACH, CA	33-33-16.1	117-48-23.2	39	108	50
WPIT722	853.0125	California, State of	LAGUNA BEACH, CA	33-33-16.1	117-48-23.2	39	108	50
WPIT723	851.0125	California, State of	BREA, CA	33-56-33	117-47-52.2	1371	121	50
WPIT723	851.5125	California, State of	BREA, CA	33-56-33	117-47-52.2	1371	121	50
WPIT723	852.0125	California, State of	BREA, CA	33-56-33	117-47-52.2	1371	121	50
WPIT723	852.5125	California, State of	BREA, CA	33-56-33	117-47-52.2	1371	121	50
WPIT723	853.0125	California, State of	BREA, CA	33-56-33	117-47-52.2	1371	121	50
WPIT723	853.5125	California, State of	BREA, CA	33-56-33	117-47-52.2	1371	121	50
WPIT723	853.9875	California, State of	BREA, CA	33-56-33	117-47-52.2	1371	121	50
WPIT724	851.0125	California, State of	SILVERADO, CA	33-42-33.1	117-39-16.2	1759	125	50

Call Sign	Replacement Frequency	Licensee	Location	Latitude (N)	Longitude (W)	Gnd Elev (ft)	Ant Hgt (ft)	ERP (w)
WPIT724	851.5125	California, State of	SILVERADO, CA	33-42-33.1	117-39-16.2	1759	125	50
WPIT724	852.0125	California, State of	SILVERADO, CA	33-42-33.1	117-39-16.2	1759	125	50
WPIT724	852.5125	California, State of	SILVERADO, CA	33-42-33.1	117-39-16.2	1759	125	50
WPIT724	853.0125	California, State of	SILVERADO, CA	33-42-33.1	117-39-16.2	1759	125	50
WPIT724	853.5125	California, State of	SILVERADO, CA	33-42-33.1	117-39-16.2	1759	125	50
WPIT724	853.9875	California, State of	SILVERADO, CA	33-42-33.1	117-39-16.2	1759	125	50
WPIT725	851.0125	California, State of	SOUTH LAGUNA, CA	33-30-11.1	117-44-37.2	151	75	50
WPIT725	851.5125	California, State of	SOUTH LAGUNA, CA	33-30-11.1	117-44-37.2	151	75	50
WPIT725	852.0125	California, State of	SOUTH LAGUNA, CA	33-30-11.1	117-44-37.2	151	75	50
WPIT725	852.5125	California, State of	SOUTH LAGUNA, CA	33-30-11.1	117-44-37.2	151	75	50
WPIT725	853.0125	California, State of	SOUTH LAGUNA, CA	33-30-11.1	117-44-37.2	151	75	50
WPIT727	851.0125	California, State of	YORBA LINDA, CA	33-53-38.1	117-44-44.2	942	121	50
WPIT727	851.5125	California, State of	YORBA LINDA, CA	33-53-38.1	117-44-44.2	942	121	50
WPIT727	852.0125	California, State of	YORBA LINDA, CA	33-53-38.1	117-44-44.2	942	121	50
WPIT727	852.5125	California, State of	YORBA LINDA, CA	33-53-38.1	117-44-44.2	942	121	50
WPIT727	853.0125	California, State of	YORBA LINDA, CA	33-53-38.1	117-44-44.2	942	121	50
WPIT727	853.5125	California, State of	YORBA LINDA, CA	33-53-38.1	117-44-44.2	942	121	50
WPIT727	853.9875	California, State of	YORBA LINDA, CA	33-53-38.1	117-44-44.2	942	121	50
WPIX684	858.8625	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1289	171	220
WPMX476	859.5625	Orange, County Of, CA	FULLERTON, CA	33-54-19	117-57-44.2	599	130	1000
WPMX476	no retune (855.7125)	Orange, County Of, CA	FULLERTON, CA	33-54-19	117-57-44.2	599	130	1000
WPMX750	859.5625	Orange, County Of, CA	SAN JUAN CAPISTRANO, CA	33-30-9.1	117-36-7.2	1127	130	1000
WPMX750	no retune (855.7125)	Orange, County Of, CA	SAN JUAN CAPISTRANO, CA	33-30-9.1	117-36-7.2	1127	130	1000
WPMX751	859.5625	Orange, County Of, CA	SEAL BEACH, CA	33-45-24.1	118-5-6.2	16	178	1000
WPMX751	no retune (855.7125)	Orange, County Of, CA	SEAL BEACH, CA	33-45-24.1	118-5-6.2	16	178	1000
WPMX752	859.5625	Orange, County Of, CA	NEWPORT BEACH, CA	33-36-20.1	117-48-39.2	1150	120	1000
WPMX752	no retune (855.7125)	Orange, County Of, CA	NEWPORT BEACH, CA	33-36-20.1	117-48-39.2	1150	120	1000
WPMZ467	851.125	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	635
WPMZ467	851.15	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	159
WPMZ467	851.175	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	635
WPMZ467	851.375	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	635
WPMZ467	851.4	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	159
WPMZ467	851.625	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	635

Call Sign	Replacement Frequency	Licensee	Location	Latitude (N)	Longitude (W)	Gnd Elev (ft)	Ant Hgt (ft)	ERP (w)
WPMZ467	851.65	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	159
WPMZ467	851.675	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	159
WPMZ467	851.875	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	635
WPMZ467	851.9	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	159
WPMZ467	852.125	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	635
WPMZ467	852.15	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	159
WPMZ467	852.175	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	159
WPMZ467	852.375	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	635
WPMZ467	852.4	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	159
WPMZ467	852.625	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	635
WPMZ467	852.65	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	159
WPMZ467	852.675	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	159
WPMZ467	852.825	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	635
WPMZ467	852.875	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	635
WPMZ467	852.9	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	159
WPMZ467	853.125	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	635
WPMZ467	853.15	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	159
WPMZ467	853.175	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	159
WPMZ467	853.375	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	635
WPMZ467	853.4	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	159
WPMZ467	853.625	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	635
WPMZ467	853.65	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	159
WPMZ467	853.675	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	635
WPMZ467	853.925	Orange, County Of, CA	SANTA ANA, CA	33-45-3.1	117-52-30.2	115	217	635
WPMZ473	851.125	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-38-21.1	117-57-21.2	10	170	493
WPMZ473	851.175	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-38-21.1	117-57-21.2	10	170	493

Call Sign	Replacement Frequency	Licensee	Location	Latitude (N)	Longitude (W)	Gnd Elev (ft)	Ant Hgt (ft)	ERP (w)
WPMZ473	851.2	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-38-21.1	117-57-21.2	10	170	101
WPMZ473	851.35	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-38-21.1	117-57-21.2	10	170	101
WPMZ473	851.375	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-38-21.1	117-57-21.2	10	170	493
WPMZ473	851.625	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-38-21.1	117-57-21.2	10	170	493
WPMZ473	851.825	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-38-21.1	117-57-21.2	10	170	101
WPMZ473	851.875	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-38-21.1	117-57-21.2	10	170	493
WPMZ473	852.125	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-38-21.1	117-57-21.2	10	170	493
WPMZ473	852.2	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-38-21.1	117-57-21.2	10	170	101
WPMZ473	852.35	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-38-21.1	117-57-21.2	10	170	101
WPMZ473	852.375	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-38-21.1	117-57-21.2	10	170	493
WPMZ473	852.625	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-38-21.1	117-57-21.2	10	170	493
WPMZ473	852.825	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-38-21.1	117-57-21.2	10	170	493
WPMZ473	852.875	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-38-21.1	117-57-21.2	10	170	493
WPMZ473	853.125	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-38-21.1	117-57-21.2	10	170	493
WPMZ473	853.2	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-38-21.1	117-57-21.2	10	170	101
WPMZ473	853.35	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-38-21.1	117-57-21.2	10	170	101
WPMZ473	853.375	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-38-21.1	117-57-21.2	10	170	493
WPMZ473	853.625	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-38-21.1	117-57-21.2	10	170	493
WPMZ473	853.675	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-38-21.1	117-57-21.2	10	170	493
WPMZ473	853.825	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-38-21.1	117-57-21.2	10	170	101
WPMZ473	853.925	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-38-21.1	117-57-21.2	10	170	493
WPMZ480	851.125	Orange, County Of, CA	SAN JUAN CAPISTRANO, CA	33-30-9.1	117-36-7.2	1129	131	45
WPMZ480	851.175	Orange, County Of, CA	SAN JUAN CAPISTRANO, CA	33-30-9.1	117-36-7.2	1129	131	45
WPMZ480	851.375	Orange, County Of, CA	SAN JUAN CAPISTRANO, CA	33-30-9.1	117-36-7.2	1129	131	45
WPMZ480	851.625	Orange, County Of, CA	SAN JUAN CAPISTRANO, CA	33-30-9.1	117-36-7.2	1129	131	45
WPMZ480	851.875	Orange, County Of, CA	SAN JUAN CAPISTRANO, CA	33-30-9.1	117-36-7.2	1129	131	45



Call Sign	Replacement Frequency	Licensee	Location	Latitude (N)	Longitude (W)	Gnd Elev (ft)	Ant Hgt (ft)	ERP (w)
WPMZ480	852.125	Orange, County Of, CA	SAN JUAN CAPISTRANO, CA	33-30-9.1	117-36-7.2	1129	131	45
WPMZ480	852.375	Orange, County Of, CA	SAN JUAN CAPISTRANO, CA	33-30-9.1	117-36-7.2	1129	131	45
WPMZ480	852.625	Orange, County Of, CA	SAN JUAN CAPISTRANO, CA	33-30-9.1	117-36-7.2	1129	131	45
WPMZ480	852.825	Orange, County Of, CA	SAN JUAN CAPISTRANO, CA	33-30-9.1	117-36-7.2	1129	131	45
WPMZ480	852.875	Orange, County Of, CA	SAN JUAN CAPISTRANO, CA	33-30-9.1	117-36-7.2	1129	131	45
WPMZ480	853.125	Orange, County Of, CA	SAN JUAN CAPISTRANO, CA	33-30-9.1	117-36-7.2	1129	131	45
WPMZ480	853.375	Orange, County Of, CA	SAN JUAN CAPISTRANO, CA	33-30-9.1	117-36-7.2	1129	131	45
WPMZ480	853.625	Orange, County Of, CA	SAN JUAN CAPISTRANO, CA	33-30-9.1	117-36-7.2	1129	131	45
WPMZ480	853.675	Orange, County Of, CA	SAN JUAN CAPISTRANO, CA	33-30-9.1	117-36-7.2	1129	131	45
WPMZ480	853.925	Orange, County Of, CA	SAN JUAN CAPISTRANO, CA	33-30-9.1	117-36-7.2	1129	131	45
WPMZ481	851.125	Orange, County Of, CA	NEWPORT BEACH, CA	33-36-20.1	117-48-39.2	1152	121	61
WPMZ481	851.175	Orange, County Of, CA	NEWPORT BEACH, CA	33-36-20.1	117-48-39.2	1152	121	61
WPMZ481	851.375	Orange, County Of, CA	NEWPORT BEACH, CA	33-36-20.1	117-48-39.2	1152	121	61
WPMZ481	851.625	Orange, County Of, CA	NEWPORT BEACH, CA	33-36-20.1	117-48-39.2	1152	121	61
WPMZ481	851.875	Orange, County Of, CA	NEWPORT BEACH, CA	33-36-20.1	117-48-39.2	1152	121	61
WPMZ481	852.125	Orange, County Of, CA	NEWPORT BEACH, CA	33-36-20.1	117-48-39.2	1152	121	61
WPMZ481	852.375	Orange, County Of, CA	NEWPORT BEACH, CA	33-36-20.1	117-48-39.2	1152	121	61
WPMZ481	852.625	Orange, County Of, CA	NEWPORT BEACH, CA	33-36-20.1	117-48-39.2	1152	121	61
WPMZ481	852.825	Orange, County Of, CA	NEWPORT BEACH, CA	33-36-20.1	117-48-39.2	1152	121	61
WPMZ481	852.875	Orange, County Of, CA	NEWPORT BEACH, CA	33-36-20.1	117-48-39.2	1152	121	61
WPMZ481	853.125	Orange, County Of, CA	NEWPORT BEACH, CA	33-36-20.1	117-48-39.2	1152	121	61
WPMZ481	853.375	Orange, County Of, CA	NEWPORT BEACH, CA	33-36-20.1	117-48-39.2	1152	121	61
WPMZ481	853.625	Orange, County Of, CA	NEWPORT BEACH, CA	33-36-20.1	117-48-39.2	1152	121	61
WPMZ481	853.675	Orange, County Of, CA	NEWPORT BEACH, CA	33-36-20.1	117-48-39.2	1152	121	61
WPMZ481	853.925	Orange, County Of, CA	NEWPORT BEACH, CA	33-36-20.1	117-48-39.2	1152	121	61
WPMZ485	851.125	Orange, County Of, CA	SILVERADO, CA	33-42-35.1	117-32-5.2	5646	121	156

Call Sign	Replacement Frequency	Licensee	Location	Latitude (N)	Longitude (W)	Gnd Elev (ft)	Ant Hgt (ft)	ERP (w)
WPMZ485	851.175	Orange, County Of, CA	SILVERADO, CA	33-42-35.1	117-32-5.2	5646	121	156
WPMZ485	851.375	Orange, County Of, CA	SILVERADO, CA	33-42-35.1	117-32-5.2	5646	121	156
WPMZ485	851.625	Orange, County Of, CA	SILVERADO, CA	33-42-35.1	117-32-5.2	5646	121	156
WPMZ485	851.875	Orange, County Of, CA	SILVERADO, CA	33-42-35.1	117-32-5.2	5646	121	156
WPMZ485	852.125	Orange, County Of, CA	SILVERADO, CA	33-42-35.1	117-32-5.2	5646	121	156
WPMZ485	852.375	Orange, County Of, CA	SILVERADO, CA	33-42-35.1	117-32-5.2	5646	121	156
WPMZ485	852.625	Orange, County Of, CA	SILVERADO, CA	33-42-35.1	117-32-5.2	5646	121	156
WPMZ485	852.825	Orange, County Of, CA	SILVERADO, CA	33-42-35.1	117-32-5.2	5646	121	156
WPMZ485	852.875	Orange, County Of, CA	SILVERADO, CA	33-42-35.1	117-32-5.2	5646	121	156
WPMZ485	853.125	Orange, County Of, CA	SILVERADO, CA	33-42-35.1	117-32-5.2	5646	121	156
WPMZ485	853.375	Orange, County Of, CA	SILVERADO, CA	33-42-35.1	117-32-5.2	5646	121	156
WPMZ485	853.625	Orange, County Of, CA	SILVERADO, CA	33-42-35.1	117-32-5.2	5646	121	156
WPMZ485	853.675	Orange, County Of, CA	SILVERADO, CA	33-42-35.1	117-32-5.2	5646	121	156
WPMZ485	853.925	Orange, County Of, CA	SILVERADO, CA	33-42-35.1	117-32-5.2	5646	121	156
WPMZ486	851.35	Orange, County Of, CA	SILVERADO, CA	33-44-46.1	117-37-4.2	1385	85	62
WPMZ486	851.85	Orange, County Of, CA	SILVERADO, CA	33-44-46.1	117-37-4.2	1385	85	62
WPMZ486	852.35	Orange, County Of, CA	SILVERADO, CA	33-44-46.1	117-37-4.2	1385	85	62
WPMZ502	806.125	Orange, County Of, CA	CA					10
WPMZ502	806.15	Orange, County Of, CA	CA					10
WPMZ502	806.175	Orange, County Of, CA	CA					10
WPMZ502	806.2	Orange, County Of, CA	CA					10
WPMZ502	806.2125	Orange, County Of, CA	CA					10
WPMZ502	806.325	Orange, County Of, CA	CA					10
WPMZ502	806.35	Orange, County Of, CA	CA					10
WPMZ502	806.375	Orange, County Of, CA	CA					10
WPMZ502	806.4	Orange, County Of, CA	CA					10

<b>Call Sign</b>	<b>Replacement Frequency</b>	<b>Licensee</b>	<b>Location</b>	<b>Latitude (N)</b>	<b>Longitude (W)</b>	<b>Gnd Elev (ft)</b>	<b>Ant Hgt (ft)</b>	<b>ERP (w)</b>
WPMZ502	806.625	Orange, County Of, CA	CA					10
WPMZ502	806.65	Orange, County Of, CA	CA					10
WPMZ502	806.675	Orange, County Of, CA	CA					10
WPMZ502	806.7	Orange, County Of, CA	CA					10
WPMZ502	806.7125	Orange, County Of, CA	CA					10
WPMZ502	806.825	Orange, County Of, CA	CA					10
WPMZ502	806.85	Orange, County Of, CA	CA					10
WPMZ502	806.875	Orange, County Of, CA	CA					10
WPMZ502	806.9	Orange, County Of, CA	CA					10
WPMZ502	807.125	Orange, County Of, CA	CA					10
WPMZ502	807.15	Orange, County Of, CA	CA					10
WPMZ502	807.175	Orange, County Of, CA	CA					10
WPMZ502	807.2	Orange, County Of, CA	CA					10
WPMZ502	807.2125	Orange, County Of, CA	CA					10
WPMZ502	807.325	Orange, County Of, CA	CA					10
WPMZ502	807.35	Orange, County Of, CA	CA					10
WPMZ502	807.375	Orange, County Of, CA	CA					10
WPMZ502	807.4	Orange, County Of, CA	CA					10
WPMZ502	807.625	Orange, County Of, CA	CA					10
WPMZ502	807.65	Orange, County Of, CA	CA					10
WPMZ502	807.675	Orange, County Of, CA	CA					10
WPMZ502	807.7	Orange, County Of, CA	CA					10
WPMZ502	807.7125	Orange, County Of, CA	CA					10
WPMZ502	807.825	Orange, County Of, CA	CA					10
WPMZ502	807.85	Orange, County Of, CA	CA					10
WPMZ502	807.875	Orange, County Of, CA	CA					10

<b>Call Sign</b>	<b>Replacement Frequency</b>	<b>Licensee</b>	<b>Location</b>	<b>Latitude (N)</b>	<b>Longitude (W)</b>	<b>Gnd Elev (ft)</b>	<b>Ant Hgt (ft)</b>	<b>ERP (w)</b>
WPMZ502	807.9	Orange, County Of, CA	CA					10
WPMZ502	808.125	Orange, County Of, CA	CA					10
WPMZ502	808.15	Orange, County Of, CA	CA					10
WPMZ502	808.175	Orange, County Of, CA	CA					10
WPMZ502	808.2	Orange, County Of, CA	CA					10
WPMZ502	808.2125	Orange, County Of, CA	CA					10
WPMZ502	808.3125	Orange, County Of, CA	CA					10
WPMZ502	808.325	Orange, County Of, CA	CA					10
WPMZ502	808.35	Orange, County Of, CA	CA					10
WPMZ502	808.375	Orange, County Of, CA	CA					10
WPMZ502	808.4	Orange, County Of, CA	CA					10
WPMZ502	808.55	Orange, County Of, CA	CA					10
WPMZ502	808.625	Orange, County Of, CA	CA					10
WPMZ502	808.65	Orange, County Of, CA	CA					10
WPMZ502	808.675	Orange, County Of, CA	CA					10
WPMZ502	808.7	Orange, County Of, CA	CA					10
WPMZ502	808.7125	Orange, County Of, CA	CA					10
WPMZ502	808.825	Orange, County Of, CA	CA					10
WPMZ502	808.925	Orange, County Of, CA	CA					10
WPMZ502	808.9625	Orange, County Of, CA	CA					10
WPMZ511	851.125	Orange, County Of, CA	MODJESKA, CA	33-42-33.1	117-39-16.2	1759	121	340
WPMZ511	851.175	Orange, County Of, CA	MODJESKA, CA	33-42-33.1	117-39-16.2	1759	121	340
WPMZ511	851.375	Orange, County Of, CA	MODJESKA, CA	33-42-33.1	117-39-16.2	1759	121	340
WPMZ511	851.625	Orange, County Of, CA	MODJESKA, CA	33-42-33.1	117-39-16.2	1759	121	340
WPMZ511	851.875	Orange, County Of, CA	MODJESKA, CA	33-42-33.1	117-39-16.2	1759	121	340
WPMZ511	852.125	Orange, County Of, CA	MODJESKA, CA	33-42-33.1	117-39-16.2	1759	121	340

Call Sign	Replacement Frequency	Licensee	Location	Latitude (N)	Longitude (W)	Gnd Elev (ft)	Ant Hgt (ft)	ERP (w)
WPMZ511	852.375	Orange, County Of, CA	MODJESKA, CA	33-42-33.1	117-39-16.2	1759	121	340
WPMZ511	852.625	Orange, County Of, CA	MODJESKA, CA	33-42-33.1	117-39-16.2	1759	121	340
WPMZ511	852.825	Orange, County Of, CA	MODJESKA, CA	33-42-33.1	117-39-16.2	1759	121	340
WPMZ511	852.875	Orange, County Of, CA	MODJESKA, CA	33-42-33.1	117-39-16.2	1759	121	340
WPMZ511	853.125	Orange, County Of, CA	MODJESKA, CA	33-42-33.1	117-39-16.2	1759	121	340
WPMZ511	853.375	Orange, County Of, CA	MODJESKA, CA	33-42-33.1	117-39-16.2	1759	121	340
WPMZ511	853.625	Orange, County Of, CA	MODJESKA, CA	33-42-33.1	117-39-16.2	1759	121	340
WPMZ511	853.675	Orange, County Of, CA	MODJESKA, CA	33-42-33.1	117-39-16.2	1759	121	340
WPMZ511	853.925	Orange, County Of, CA	MODJESKA, CA	33-42-33.1	117-39-16.2	1759	121	340
WPMZ513	851.125	Orange, County Of, CA	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	876	125	129
WPMZ513	851.175	Orange, County Of, CA	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	876	125	129
WPMZ513	851.375	Orange, County Of, CA	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	876	125	129
WPMZ513	851.625	Orange, County Of, CA	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	876	125	129
WPMZ513	851.875	Orange, County Of, CA	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	876	125	129
WPMZ513	852.125	Orange, County Of, CA	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	876	125	129
WPMZ513	852.375	Orange, County Of, CA	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	876	125	129
WPMZ513	852.625	Orange, County Of, CA	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	876	125	129
WPMZ513	852.825	Orange, County Of, CA	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	876	125	129
WPMZ513	852.875	Orange, County Of, CA	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	876	125	129
WPMZ513	853.125	Orange, County Of, CA	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	876	125	129
WPMZ513	853.375	Orange, County Of, CA	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	876	125	129
WPMZ513	853.625	Orange, County Of, CA	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	876	125	129
WPMZ513	853.675	Orange, County Of, CA	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	876	125	129
WPMZ513	853.925	Orange, County Of, CA	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	876	125	129
WPMZ774	859.5625	Orange, County Of, CA	DANA POINT, CA	33-28-31	117-41-41.4	331	49	307
WPMZ774	no retune (855.7125)	Orange, County Of, CA	DANA POINT, CA	33-28-31	117-41-41.4	331	49	307

Call Sign	Replacement Frequency	Licensee	Location	Latitude (N)	Longitude (W)	Gnd Elev (ft)	Ant Hgt (ft)	ERP (w)
WPMZ774	859.5625	Orange, County Of, CA	SILVERADO, CA	33-42-35.1	117-32-5.2	5645	120	1000
WPMZ774	no retune (855.7125)	Orange, County Of, CA	SILVERADO, CA	33-42-35.1	117-32-5.2	5645	120	1000
WPMZ776	859.5625	Orange, County Of, CA	SILVERADO, CA	33-50-58.1	117-39-17.2	3004	120	1000
WPMZ776	no retune (855.7125)	Orange, County Of, CA	SILVERADO, CA	33-50-58.1	117-39-17.2	3004	120	1000
WPMZ991	851.15	Orange, County Of, CA	FULLERTON, CA	33-54-19	117-57-44.2	600	131	191
WPMZ991	851.4	Orange, County Of, CA	FULLERTON, CA	33-54-19	117-57-44.2	600	131	191
WPMZ991	851.65	Orange, County Of, CA	FULLERTON, CA	33-54-19	117-57-44.2	600	131	191
WPMZ991	851.675	Orange, County Of, CA	FULLERTON, CA	33-54-19	117-57-44.2	600	131	191
WPMZ991	851.9	Orange, County Of, CA	FULLERTON, CA	33-54-19	117-57-44.2	600	131	191
WPMZ991	852.15	Orange, County Of, CA	FULLERTON, CA	33-54-19	117-57-44.2	600	131	191
WPMZ991	852.175	Orange, County Of, CA	FULLERTON, CA	33-54-19	117-57-44.2	600	131	191
WPMZ991	852.4	Orange, County Of, CA	FULLERTON, CA	33-54-19	117-57-44.2	600	131	191
WPMZ991	852.65	Orange, County Of, CA	FULLERTON, CA	33-54-19	117-57-44.2	600	131	191
WPMZ991	852.675	Orange, County Of, CA	FULLERTON, CA	33-54-19	117-57-44.2	600	131	191
WPMZ991	852.9	Orange, County Of, CA	FULLERTON, CA	33-54-19	117-57-44.2	600	131	191
WPMZ991	853.15	Orange, County Of, CA	FULLERTON, CA	33-54-19	117-57-44.2	600	131	191
WPMZ991	853.175	Orange, County Of, CA	FULLERTON, CA	33-54-19	117-57-44.2	600	131	191
WPMZ991	853.4	Orange, County Of, CA	FULLERTON, CA	33-54-19	117-57-44.2	600	131	191
WPMZ991	853.65	Orange, County Of, CA	FULLERTON, CA	33-54-19	117-57-44.2	600	131	191
WPMZ992	851.15	Orange, County Of, CA	LA PALMA, CA	33-51-52.1	118-2-7.2	56	174	851
WPMZ992	851.325	Orange, County Of, CA	LA PALMA, CA	33-51-52.1	118-2-7.2	56	174	690
WPMZ992	851.4	Orange, County Of, CA	LA PALMA, CA	33-51-52.1	118-2-7.2	56	174	851
WPMZ992	851.65	Orange, County Of, CA	LA PALMA, CA	33-51-52.1	118-2-7.2	56	174	851
WPMZ992	851.675	Orange, County Of, CA	LA PALMA, CA	33-51-52.1	118-2-7.2	56	174	851
WPMZ992	851.7	Orange, County Of, CA	LA PALMA, CA	33-51-52.1	118-2-7.2	56	174	690
WPMZ992	851.85	Orange, County Of, CA	LA PALMA, CA	33-51-52.1	118-2-7.2	56	174	690

<b>Call Sign</b>	<b>Replacement Frequency</b>	<b>Licensee</b>	<b>Location</b>	<b>Latitude (N)</b>	<b>Longitude (W)</b>	<b>Gnd Elev (ft)</b>	<b>Ant Hgt (ft)</b>	<b>ERP (w)</b>
WPMZ992	851.9	Orange, County Of, CA	LA PALMA, CA	33-51-52.1	118-2-7.2	56	174	851
WPMZ992	852.15	Orange, County Of, CA	LA PALMA, CA	33-51-52.1	118-2-7.2	56	174	851
WPMZ992	852.175	Orange, County Of, CA	LA PALMA, CA	33-51-52.1	118-2-7.2	56	174	851
WPMZ992	852.325	Orange, County Of, CA	LA PALMA, CA	33-51-52.1	118-2-7.2	56	174	690
WPMZ992	852.4	Orange, County Of, CA	LA PALMA, CA	33-51-52.1	118-2-7.2	56	174	851
WPMZ992	852.65	Orange, County Of, CA	LA PALMA, CA	33-51-52.1	118-2-7.2	56	174	851
WPMZ992	852.675	Orange, County Of, CA	LA PALMA, CA	33-51-52.1	118-2-7.2	56	174	851
WPMZ992	852.7	Orange, County Of, CA	LA PALMA, CA	33-51-52.1	118-2-7.2	56	174	690
WPMZ992	852.85	Orange, County Of, CA	LA PALMA, CA	33-51-52.1	118-2-7.2	56	174	690
WPMZ992	852.9	Orange, County Of, CA	LA PALMA, CA	33-51-52.1	118-2-7.2	56	174	851
WPMZ992	853.15	Orange, County Of, CA	LA PALMA, CA	33-51-52.1	118-2-7.2	56	174	851
WPMZ992	853.175	Orange, County Of, CA	LA PALMA, CA	33-51-52.1	118-2-7.2	56	174	851
WPMZ992	853.325	Orange, County Of, CA	LA PALMA, CA	33-51-52.1	118-2-7.2	56	174	690
WPMZ992	853.4	Orange, County Of, CA	LA PALMA, CA	33-51-52.1	118-2-7.2	56	174	851
WPMZ992	853.65	Orange, County Of, CA	LA PALMA, CA	33-51-52.1	118-2-7.2	56	174	851
WPMZ992	853.7	Orange, County Of, CA	LA PALMA, CA	33-51-52.1	118-2-7.2	56	174	690
WPMZ993	851.15	Orange, County Of, CA	YORBA LINDA, CA	33-53-38.1	117-44-39.2	942	121	110
WPMZ993	851.4	Orange, County Of, CA	YORBA LINDA, CA	33-53-38.1	117-44-39.2	942	121	110
WPMZ993	851.65	Orange, County Of, CA	YORBA LINDA, CA	33-53-38.1	117-44-39.2	942	121	110
WPMZ993	851.675	Orange, County Of, CA	YORBA LINDA, CA	33-53-38.1	117-44-39.2	942	121	110
WPMZ993	851.9	Orange, County Of, CA	YORBA LINDA, CA	33-53-38.1	117-44-39.2	942	121	110
WPMZ993	852.15	Orange, County Of, CA	YORBA LINDA, CA	33-53-38.1	117-44-39.2	942	121	110
WPMZ993	852.175	Orange, County Of, CA	YORBA LINDA, CA	33-53-38.1	117-44-39.2	942	121	110
WPMZ993	852.4	Orange, County Of, CA	YORBA LINDA, CA	33-53-38.1	117-44-39.2	942	121	110
WPMZ993	852.65	Orange, County Of, CA	YORBA LINDA, CA	33-53-38.1	117-44-39.2	942	121	110
WPMZ993	852.675	Orange, County Of, CA	YORBA LINDA, CA	33-53-38.1	117-44-39.2	942	121	110

Call Sign	Replacement Frequency	Licensee	Location	Latitude (N)	Longitude (W)	Gnd Elev (ft)	Ant Hgt (ft)	ERP (w)
WPMZ993	852.9	Orange, County Of, CA	YORBA LINDA, CA	33-53-38.1	117-44-39.2	942	121	110
WPMZ993	853.15	Orange, County Of, CA	YORBA LINDA, CA	33-53-38.1	117-44-39.2	942	121	110
WPMZ993	853.175	Orange, County Of, CA	YORBA LINDA, CA	33-53-38.1	117-44-39.2	942	121	110
WPMZ993	853.4	Orange, County Of, CA	YORBA LINDA, CA	33-53-38.1	117-44-39.2	942	121	110
WPMZ993	853.65	Orange, County Of, CA	YORBA LINDA, CA	33-53-38.1	117-44-39.2	942	121	110
WPMZ994	851.15	Orange, County Of, CA	BREA, CA	33-56-23	117-49-31.2	1348	141	372
WPMZ994	851.4	Orange, County Of, CA	BREA, CA	33-56-23	117-49-31.2	1348	141	372
WPMZ994	851.65	Orange, County Of, CA	BREA, CA	33-56-23	117-49-31.2	1348	141	372
WPMZ994	851.675	Orange, County Of, CA	BREA, CA	33-56-23	117-49-31.2	1348	141	372
WPMZ994	851.9	Orange, County Of, CA	BREA, CA	33-56-23	117-49-31.2	1348	141	372
WPMZ994	852.15	Orange, County Of, CA	BREA, CA	33-56-23	117-49-31.2	1348	141	372
WPMZ994	852.175	Orange, County Of, CA	BREA, CA	33-56-23	117-49-31.2	1348	141	372
WPMZ994	852.4	Orange, County Of, CA	BREA, CA	33-56-23	117-49-31.2	1348	141	372
WPMZ994	852.65	Orange, County Of, CA	BREA, CA	33-56-23	117-49-31.2	1348	141	372
WPMZ994	852.675	Orange, County Of, CA	BREA, CA	33-56-23	117-49-31.2	1348	141	372
WPMZ994	852.9	Orange, County Of, CA	BREA, CA	33-56-23	117-49-31.2	1348	141	372
WPMZ994	853.15	Orange, County Of, CA	BREA, CA	33-56-23	117-49-31.2	1348	141	372
WPMZ994	853.175	Orange, County Of, CA	BREA, CA	33-56-23	117-49-31.2	1348	141	372
WPMZ994	853.4	Orange, County Of, CA	BREA, CA	33-56-23	117-49-31.2	1348	141	372
WPMZ994	853.65	Orange, County Of, CA	BREA, CA	33-56-23	117-49-31.2	1348	141	372
WPNP991	859.5625	Orange, County Of, CA	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	875	125	220
WPNP991	no retune (855.7125)	Orange, County Of, CA	SAN CLEMENTE, CA	33-25-53.1	117-35-50.2	875	125	220
WPPA345	851.2	Orange, County Of, CA	SEAL BEACH, CA	33-45-24.1	118-5-6.2	16	177	585
WPPA345	851.325	Orange, County Of, CA	SEAL BEACH, CA	33-45-24.1	118-5-6.2	16	177	708
WPPA345	851.35	Orange, County Of, CA	SEAL BEACH, CA	33-45-24.1	118-5-6.2	16	177	585
WPPA345	851.7	Orange, County Of, CA	SEAL BEACH, CA	33-45-24.1	118-5-6.2	16	177	708



Call Sign	Replacement Frequency	Licensee	Location	Latitude (N)	Longitude (W)	Gnd Elev (ft)	Ant Hgt (ft)	ERP (w)
WPPA345	851.825	Orange, County Of, CA	SEAL BEACH, CA	33-45-24.1	118-5-6.2	16	177	585
WPPA345	851.85	Orange, County Of, CA	SEAL BEACH, CA	33-45-24.1	118-5-6.2	16	177	708
WPPA345	852.2	Orange, County Of, CA	SEAL BEACH, CA	33-45-24.1	118-5-6.2	16	177	585
WPPA345	852.325	Orange, County Of, CA	SEAL BEACH, CA	33-45-24.1	118-5-6.2	16	177	708
WPPA345	852.35	Orange, County Of, CA	SEAL BEACH, CA	33-45-24.1	118-5-6.2	16	177	585
WPPA345	852.7	Orange, County Of, CA	SEAL BEACH, CA	33-45-24.1	118-5-6.2	16	177	708
WPPA345	852.85	Orange, County Of, CA	SEAL BEACH, CA	33-45-24.1	118-5-6.2	16	177	708
WPPA345	853.2	Orange, County Of, CA	SEAL BEACH, CA	33-45-24.1	118-5-6.2	16	177	585
WPPA345	853.325	Orange, County Of, CA	SEAL BEACH, CA	33-45-24.1	118-5-6.2	16	177	708
WPPA345	853.35	Orange, County Of, CA	SEAL BEACH, CA	33-45-24.1	118-5-6.2	16	177	585
WPPA345	853.7	Orange, County Of, CA	SEAL BEACH, CA	33-45-24.1	118-5-6.2	16	177	708
WPPA345	853.825	Orange, County Of, CA	SEAL BEACH, CA	33-45-24.1	118-5-6.2	16	177	585
WPPA346	851.2	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-40-41.1	118-0-0.2	62	141	269
WPPA346	851.35	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-40-41.1	118-0-0.2	62	141	269
WPPA346	851.825	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-40-41.1	118-0-0.2	62	141	269
WPPA346	852.2	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-40-41.1	118-0-0.2	62	141	269
WPPA346	852.35	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-40-41.1	118-0-0.2	62	141	269
WPPA346	853.2	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-40-41.1	118-0-0.2	62	141	269
WPPA346	853.35	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-40-41.1	118-0-0.2	62	141	269
WPPA346	853.825	Orange, County Of, CA	HUNTINGTON BEACH, CA	33-40-41.1	118-0-0.2	62	141	269
WPPA348	851.2	Orange, County Of, CA	GARDEN GROVE, CA	33-45-43.1	117-55-34.2	82	154	229
WPPA348	851.325	Orange, County Of, CA	GARDEN GROVE, CA	33-45-43.1	117-55-34.2	82	154	229
WPPA348	851.35	Orange, County Of, CA	GARDEN GROVE, CA	33-45-43.1	117-55-34.2	82	154	229
WPPA348	851.7	Orange, County Of, CA	GARDEN GROVE, CA	33-45-43.1	117-55-34.2	82	154	229
WPPA348	851.825	Orange, County Of, CA	GARDEN GROVE, CA	33-45-43.1	117-55-34.2	82	154	229
WPPA348	851.85	Orange, County Of, CA	GARDEN GROVE, CA	33-45-43.1	117-55-34.2	82	154	229

<b>Call Sign</b>	<b>Replacement Frequency</b>	<b>Licensee</b>	<b>Location</b>	<b>Latitude (N)</b>	<b>Longitude (W)</b>	<b>Gnd Elev (ft)</b>	<b>Ant Hgt (ft)</b>	<b>ERP (w)</b>
WPPA348	852.2	Orange, County Of, CA	GARDEN GROVE, CA	33-45-43.1	117-55-34.2	82	154	229
WPPA348	852.325	Orange, County Of, CA	GARDEN GROVE, CA	33-45-43.1	117-55-34.2	82	154	229
WPPA348	852.35	Orange, County Of, CA	GARDEN GROVE, CA	33-45-43.1	117-55-34.2	82	154	229
WPPA348	852.7	Orange, County Of, CA	GARDEN GROVE, CA	33-45-43.1	117-55-34.2	82	154	229
WPPA348	852.85	Orange, County Of, CA	GARDEN GROVE, CA	33-45-43.1	117-55-34.2	82	154	229
WPPA348	853.2	Orange, County Of, CA	GARDEN GROVE, CA	33-45-43.1	117-55-34.2	82	154	229
WPPA348	853.325	Orange, County Of, CA	GARDEN GROVE, CA	33-45-43.1	117-55-34.2	82	154	229
WPPA348	853.35	Orange, County Of, CA	GARDEN GROVE, CA	33-45-43.1	117-55-34.2	82	154	229
WPPA348	853.7	Orange, County Of, CA	GARDEN GROVE, CA	33-45-43.1	117-55-34.2	82	154	229
WPPA348	853.825	Orange, County Of, CA	GARDEN GROVE, CA	33-45-43.1	117-55-34.2	82	154	229
WPPA354	851.15	Orange, County Of, CA	ANAHEIM, CA	33-50-5.1	117-54-51.2	151	197	303
WPPA354	851.4	Orange, County Of, CA	ANAHEIM, CA	33-50-5.1	117-54-51.2	151	197	303
WPPA354	851.65	Orange, County Of, CA	ANAHEIM, CA	33-50-5.1	117-54-51.2	151	197	303
WPPA354	851.675	Orange, County Of, CA	ANAHEIM, CA	33-50-5.1	117-54-51.2	151	197	303
WPPA354	851.9	Orange, County Of, CA	ANAHEIM, CA	33-50-5.1	117-54-51.2	151	197	303
WPPA354	852.15	Orange, County Of, CA	ANAHEIM, CA	33-50-5.1	117-54-51.2	151	197	303
WPPA354	852.175	Orange, County Of, CA	ANAHEIM, CA	33-50-5.1	117-54-51.2	151	197	303
WPPA354	852.4	Orange, County Of, CA	ANAHEIM, CA	33-50-5.1	117-54-51.2	151	197	303
WPPA354	852.65	Orange, County Of, CA	ANAHEIM, CA	33-50-5.1	117-54-51.2	151	197	303
WPPA354	852.675	Orange, County Of, CA	ANAHEIM, CA	33-50-5.1	117-54-51.2	151	197	303
WPPA354	852.9	Orange, County Of, CA	ANAHEIM, CA	33-50-5.1	117-54-51.2	151	197	303
WPPA354	853.15	Orange, County Of, CA	ANAHEIM, CA	33-50-5.1	117-54-51.2	151	197	303
WPPA354	853.175	Orange, County Of, CA	ANAHEIM, CA	33-50-5.1	117-54-51.2	151	197	303
WPPA354	853.4	Orange, County Of, CA	ANAHEIM, CA	33-50-5.1	117-54-51.2	151	197	303
WPPA354	853.65	Orange, County Of, CA	ANAHEIM, CA	33-50-5.1	117-54-51.2	151	197	303
WPTB672	851.15	Orange, County Of, CA	LAGUNA BEACH, CA	33-33-2.1	117-47-8.2	438	75	331

<b>Call Sign</b>	<b>Replacement Frequency</b>	<b>Licensee</b>	<b>Location</b>	<b>Latitude (N)</b>	<b>Longitude (W)</b>	<b>Gnd Elev (ft)</b>	<b>Ant Hgt (ft)</b>	<b>ERP (w)</b>
WPTB672	851.325	Orange, County Of, CA	LAGUNA BEACH, CA	33-33-2.1	117-47-8.2	438	75	331
WPTB672	851.4	Orange, County Of, CA	LAGUNA BEACH, CA	33-33-2.1	117-47-8.2	438	75	331
WPTB672	851.65	Orange, County Of, CA	LAGUNA BEACH, CA	33-33-2.1	117-47-8.2	438	75	331
WPTB672	851.825	Orange, County Of, CA	LAGUNA BEACH, CA	33-33-2.1	117-47-8.2	438	75	331
WPTB672	851.9	Orange, County Of, CA	LAGUNA BEACH, CA	33-33-2.1	117-47-8.2	438	75	331
WPTB672	852.175	Orange, County Of, CA	LAGUNA BEACH, CA	33-33-2.1	117-47-8.2	438	75	331
WPTB672	852.325	Orange, County Of, CA	LAGUNA BEACH, CA	33-33-2.1	117-47-8.2	438	75	331
WPTB672	852.65	Orange, County Of, CA	LAGUNA BEACH, CA	33-33-2.1	117-47-8.2	438	75	331
WPTB672	852.675	Orange, County Of, CA	LAGUNA BEACH, CA	33-33-2.1	117-47-8.2	438	75	331
WPTB672	852.9	Orange, County Of, CA	LAGUNA BEACH, CA	33-33-2.1	117-47-8.2	438	75	331
WPTB672	853.175	Orange, County Of, CA	LAGUNA BEACH, CA	33-33-2.1	117-47-8.2	438	75	331
WPTB672	853.2	Orange, County Of, CA	LAGUNA BEACH, CA	33-33-2.1	117-47-8.2	438	75	331
WPTB672	853.4	Orange, County Of, CA	LAGUNA BEACH, CA	33-33-2.1	117-47-8.2	438	75	331
WPTB672	853.825	Orange, County Of, CA	LAGUNA BEACH, CA	33-33-2.1	117-47-8.2	438	75	331
WPTB681	851.15	Orange, County Of, CA	LAGUNA BEACH, CA	33-30-1.1	117-44-28	157	80	257
WPTB681	851.4	Orange, County Of, CA	LAGUNA BEACH, CA	33-30-1.1	117-44-28	157	80	257
WPTB681	851.65	Orange, County Of, CA	LAGUNA BEACH, CA	33-30-1.1	117-44-28	157	80	257
WPTB681	851.9	Orange, County Of, CA	LAGUNA BEACH, CA	33-30-1.1	117-44-28	157	80	257
WPTB681	852.175	Orange, County Of, CA	LAGUNA BEACH, CA	33-30-1.1	117-44-28	157	80	257
WPTB681	852.65	Orange, County Of, CA	LAGUNA BEACH, CA	33-30-1.1	117-44-28	157	80	257
WPTB681	852.9	Orange, County Of, CA	LAGUNA BEACH, CA	33-30-1.1	117-44-28	157	80	257
WPTD598	851.15	Orange, County Of, CA	LAGUNA BEACH, CA	33-31-47.1	117-46-16	93	28	257
WPTD598	851.4	Orange, County Of, CA	LAGUNA BEACH, CA	33-31-47.1	117-46-16	93	28	257
WPTD598	851.65	Orange, County Of, CA	LAGUNA BEACH, CA	33-31-47.1	117-46-16	93	28	257
WPTD598	851.9	Orange, County Of, CA	LAGUNA BEACH, CA	33-31-47.1	117-46-16	93	28	257
WPTD598	852.175	Orange, County Of, CA	LAGUNA BEACH, CA	33-31-47.1	117-46-16	93	28	257

Call Sign	Replacement Frequency	Licensee	Location	Latitude (N)	Longitude (W)	Gnd Elev (ft)	Ant Hgt (ft)	ERP (w)
WPTD598	852.65	Orange, County Of, CA	LAGUNA BEACH, CA	33-31-47.1	117-46-16	93	28	257
WPTD598	852.9	Orange, County Of, CA	LAGUNA BEACH, CA	33-31-47.1	117-46-16	93	28	257
WQBQ537	853.2875	Orange, County Of, CA	ANAHEIM, CA	33-47-58.1	117-52-54.3	154	16	10
WQBQ537	853.2875	Orange, County Of, CA	ANAHEIM, CA	33-48-28.5	117-52-37.8	166	16	10
WQCK588	853.55	Orange, County Of, CA	SAN JUAN CAPISTRANO, CA	33-38-40.5	117-26-49.5	3030	36	19
WQEC854	851.2125	Orange, County Of, CA	SAN CLEMENTE, CA	33-25-28.8	117-37-1.3	148	25	141
WQEC854	852.2125	Orange, County Of, CA	SAN CLEMENTE, CA	33-25-28.8	117-37-1.3	148	25	141
WQEC854	853.2125	Orange, County Of, CA	SAN CLEMENTE, CA	33-25-28.8	117-37-1.3	148	25	141
WQEC854	853.9625	Orange, County Of, CA	SAN CLEMENTE, CA	33-25-28.8	117-37-1.3	148	25	141
WQEC859	851.2125	Orange, County Of, CA	CORONA DEL MAR, CA	33-35-45.4	117-52-10.2	105	40	141
WQEC859	852.2125	Orange, County Of, CA	CORONA DEL MAR, CA	33-35-45.4	117-52-10.2	105	40	141
WQEC859	853.2125	Orange, County Of, CA	CORONA DEL MAR, CA	33-35-45.4	117-52-10.2	105	40	141
WQEC859	853.9625	Orange, County Of, CA	CORONA DEL MAR, CA	33-35-45.4	117-52-10.2	105	40	141
WQEG404	851.7125	Orange, County Of, CA	NEWPORT BEACH, CA	33-34-21.1	117-50-5.6	167	30	56
WQEG404	852.7125	Orange, County Of, CA	NEWPORT BEACH, CA	33-34-21.1	117-50-5.6	167	30	56
WQEG404	853.3125	Orange, County Of, CA	NEWPORT BEACH, CA	33-34-21.1	117-50-5.6	167	30	56
WQEG404	853.7125	Orange, County Of, CA	NEWPORT BEACH, CA	33-34-21.1	117-50-5.6	167	30	56
WQFS553	853.5125	California, State of	SEAL BEACH, CA	33-45-24.1	118-5-6.2	16	178	50
WQFS553	853.5125	California, State of	FULLERTON, CA	33-54-19	117-57-42.2	599	130	50
WQFV959	851.2	Orange, County Of, CA	WESTMINISTER, CA	33-45-23.1	117-59-13.2	44	64	239
WQFV959	851.35	Orange, County Of, CA	WESTMINISTER, CA	33-45-23.1	117-59-13.2	44	64	239
WQFV959	851.825	Orange, County Of, CA	WESTMINISTER, CA	33-45-23.1	117-59-13.2	44	64	239
WQFV959	852.2	Orange, County Of, CA	WESTMINISTER, CA	33-45-23.1	117-59-13.2	44	64	239
WQFV959	852.35	Orange, County Of, CA	WESTMINISTER, CA	33-45-23.1	117-59-13.2	44	64	239
WQFV959	853.2	Orange, County Of, CA	WESTMINISTER, CA	33-45-23.1	117-59-13.2	44	64	239
WQFV959	853.35	Orange, County Of, CA	WESTMINISTER, CA	33-45-23.1	117-59-13.2	44	64	239
WQFV959	853.825	Orange, County Of, CA	WESTMINISTER, CA	33-45-23.1	117-59-13.2	44	64	239
WQJJ267	851.0125	California, State of	SEAL BEACH, CA	33-45-24.1	118-5-6.2	16	178	99.8

Call Sign	Replacement Frequency	Licensee	Location	Latitude (N)	Longitude (W)	Gnd Elev (ft)	Ant Hgt (ft)	ERP (w)
WQJJ267	851.0125	California, State of	FULLERTON, CA	33-54-19	117-57-42.2	599	130	158.1
WQPM828	851.2125	Orange, County Of, CA	BREA, CA	33-56-22.1	117-47-25.2	774	33	40
WQPM828	852.2125	Orange, County Of, CA	BREA, CA	33-56-22.1	117-47-25.2	774	33	40
WQPM828	853.3125	Orange, County Of, CA	BREA, CA	33-56-22.1	117-47-25.2	774	33	40
WQPN459	851.125	Orange, County Of, CA	DANA POINT, CA	33-28-31	117-41-41.4	331	49	122
WQPN459	851.175	Orange, County Of, CA	DANA POINT, CA	33-28-31	117-41-41.4	331	49	122
WQPN459	851.375	Orange, County Of, CA	DANA POINT, CA	33-28-31	117-41-41.4	331	49	122
WQPN459	851.625	Orange, County Of, CA	DANA POINT, CA	33-28-31	117-41-41.4	331	49	122
WQPN459	851.875	Orange, County Of, CA	DANA POINT, CA	33-28-31	117-41-41.4	331	49	122
WQPN459	852.125	Orange, County Of, CA	DANA POINT, CA	33-28-31	117-41-41.4	331	49	122
WQPN459	852.375	Orange, County Of, CA	DANA POINT, CA	33-28-31	117-41-41.4	331	49	122
WQPN459	852.625	Orange, County Of, CA	DANA POINT, CA	33-28-31	117-41-41.4	331	49	122
WQPN459	852.825	Orange, County Of, CA	DANA POINT, CA	33-28-31	117-41-41.4	331	49	122
WQPN459	852.875	Orange, County Of, CA	DANA POINT, CA	33-28-31	117-41-41.4	331	49	122
WQPN459	853.125	Orange, County Of, CA	DANA POINT, CA	33-28-31	117-41-41.4	331	49	122
WQPN459	853.375	Orange, County Of, CA	DANA POINT, CA	33-28-31	117-41-41.4	331	49	122
WQPN459	853.625	Orange, County Of, CA	DANA POINT, CA	33-28-31	117-41-41.4	331	49	122
WQPN459	853.675	Orange, County Of, CA	DANA POINT, CA	33-28-31	117-41-41.4	331	49	122
WQPN459	853.925	Orange, County Of, CA	DANA POINT, CA	33-28-31	117-41-41.4	331	49	122
WQPN460	851.125	Orange, County Of, CA	NEWPORT BEACH, CA	33-37-55	117-56-18	105	318	251
WQPN460	851.175	Orange, County Of, CA	NEWPORT BEACH, CA	33-37-55	117-56-18	105	318	251
WQPN460	851.375	Orange, County Of, CA	NEWPORT BEACH, CA	33-37-55	117-56-18	105	318	251
WQPN460	851.625	Orange, County Of, CA	NEWPORT BEACH, CA	33-37-55	117-56-18	105	318	251
WQPN460	851.875	Orange, County Of, CA	NEWPORT BEACH, CA	33-37-55	117-56-18	105	318	251
WQPN460	852.125	Orange, County Of, CA	NEWPORT BEACH, CA	33-37-55	117-56-18	105	318	251
WQPN460	852.375	Orange, County Of, CA	NEWPORT BEACH, CA	33-37-55	117-56-18	105	318	251
WQPN460	852.625	Orange, County Of, CA	NEWPORT BEACH, CA	33-37-55	117-56-18	105	318	251

Call Sign	Replacement Frequency	Licensee	Location	Latitude (N)	Longitude (W)	Gnd Elev (ft)	Ant Hgt (ft)	ERP (w)
WQPN460	852.825	Orange, County Of, CA	NEWPORT BEACH, CA	33-37-55	117-56-18	105	318	251
WQPN460	852.875	Orange, County Of, CA	NEWPORT BEACH, CA	33-37-55	117-56-18	105	318	251
WQPN460	853.125	Orange, County Of, CA	NEWPORT BEACH, CA	33-37-55	117-56-18	105	318	251
WQPN460	853.375	Orange, County Of, CA	NEWPORT BEACH, CA	33-37-55	117-56-18	105	318	251
WQPN460	853.625	Orange, County Of, CA	NEWPORT BEACH, CA	33-37-55	117-56-18	105	318	251
WQPN460	853.675	Orange, County Of, CA	NEWPORT BEACH, CA	33-37-55	117-56-18	105	318	251
WQPN460	853.925	Orange, County Of, CA	NEWPORT BEACH, CA	33-37-55	117-56-18	105	318	251
WQQA863	851.2125	County of Orange, CA	LAGUNA BEACH, CA	33-30-1.1	117-44-28	157	79	257
WQQA863	852.2125	County of Orange, CA	LAGUNA BEACH, CA	33-30-1.1	117-44-28	157	79	257
WQQA863	853.2125	County of Orange, CA	LAGUNA BEACH, CA	33-30-1.1	117-44-28	157	79	257
WQQA863	853.9625	County of Orange, CA	LAGUNA BEACH, CA	33-30-1.1	117-44-28	157	79	257
WQQA864	851.2125	County of Orange, CA	LAGUNA BEACH, CA	33-31-47.1	117-46-16	93	28	257
WQQA864	852.2125	County of Orange, CA	LAGUNA BEACH, CA	33-31-47.1	117-46-16	93	28	257
WQQA864	853.2125	County of Orange, CA	LAGUNA BEACH, CA	33-31-47.1	117-46-16	93	28	257
WQQA864	853.9625	County of Orange, CA	LAGUNA BEACH, CA	33-31-47.1	117-46-16	93	28	257
WQQA865	851.2125	Orange, County Of, CA	Laguna Beach, CA	33-33-2.1	117-47-8.2	438	75	331
WQQA865	852.2125	Orange, County Of, CA	Laguna Beach, CA	33-33-2.1	117-47-8.2	438	75	331
WQQA865	853.2125	Orange, County Of, CA	Laguna Beach, CA	33-33-2.1	117-47-8.2	438	75	331
WQQA865	853.9625	Orange, County Of, CA	Laguna Beach, CA	33-33-2.1	117-47-8.2	438	75	331
WQZ938	859.5625	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1290	170	1000
WQZ938	no retune (855.7125)	Orange, County Of, CA	ORANGE, CA	33-45-54.1	117-44-47.2	1290	170	1000

Note: 855.7125 is listed on Schedule A and Schedule B for historical purposes. This frequency is not retuning.

**SCHEDULE C - 9****800 MHZ RECONFIGURATION****COST ESTIMATE - CERTIFIED REQUEST****Request for Reconfiguration Funding****Incumbent's Name: ORANGE, COUNTY OF, CA**

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

**Incumbent Payment Terms:**

(a) With respect to the Traditional Reconfiguration of Incumbent's system, pursuant to Amendments 1 through 7 of Schedule C, Sprint has previously paid Incumbent the sum of \$187,037.88. The balance of the Actual Costs to be paid to Incumbent pursuant to Amendments 1 through 7 of Schedule C will be paid to Incumbent within 30 days after the Reconciliation Date (as "Actual Costs" and "Reconciliation Date" are defined in Section 3(b)(i)).

(b) With respect to the Partial System Upgrade, pursuant to Amendment 8 of Schedule C, Sprint paid Incumbent \$2,012,282.00 after receipt by Sprint of the fully executed Agreement and fully completed Incumbent Information Form (as set forth on Exhibit A). Sprint will pay any outstanding balance of the Actual Costs for the Partial System Upgrade due to Incumbent within 30 days after the Reconciliation Date (as "Actual Costs" and "Reconciliation Date" are defined in Section 3(b)(i)).

(c) With respect to Amendment 10 of Schedule C, Sprint will pay Incumbent the listed percentage of the amount under this Amendment 10 of \$6,336,989.70 as outlined in the table below, within 30 days after the milestones have been completed to the satisfaction of Sprint and Incumbent, and all required documentation consisting of (A) an invoice from the Vendor and/or Incumbent, (B) Incumbent's approval of receipt of goods and services and approval of associated costs included on the invoice, and (C) receipt by Sprint of Incumbent's Reporting Summary showing completion of milestone(s).

<b><u>Orange County Rebanding Alternative – Milestone Summary</u></b>		
10%	\$633,698.70	Templates Completed
25%	\$1,584,248	High Capacity Subscribers Completed
15%	\$950,548	Infrastructure Retune Begins

50%	\$3,168,495	All ICN's Submitted
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**Vendor Payment Terms:** Sprint 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. Sprint will pay each Vendor within 30 days after receipt by Sprint 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. Pursuant to Schedule C, Sprint will also pay the upgrade amount of \$288,000.00 to Shulman Rogers within 30 days of receipt of an Incumbent approved invoice from Shulman Rogers for that amount.

**1. System Description:** The Orange County system is a six cell simulcast Redundant Smartzone 3.0 system, five Intellirepeater sites and conventional channels co-located at the trunked sites, five additional sites and in four transportable repeaters. The cells are known as Countywide, Northwest, North, Southwest, South and Laguna. The Countywide cell has 21 channels located on each of 9 different sites. Two channels in the Countywide cell require rebanding. The Northwest cell has 8 channels located on each of 3 different sites. All channels in this cell require rebanding. The North cell has 15 channels located on each of 7 different sites. All channels in this cell require rebanding. The Southwest cell has 8 channels located on each of 5 different sites. All channels in this cell require rebanding. The South cell has 15 channels located on each of 8 different sites. All channels in this cell require rebanding. The Laguna cell has 7 channels located on each of 3 different sites. All channels in this cell require rebanding. The five (5) Intellirepeaters sites have a total of 23 channels. All of these channels require rebanding. There are 52 conventional channels installed at various sites. All of these channels require rebanding. Twenty of these make up one two-channel simulcast system at 10 sites.

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

	Total In System	Total Included in FRA
Base station frequencies	110	91
- Voice channels	82	63
- Home/Control channels	28	28
Repeater sites	29	29
Other sites (remote recv, BDA)	128	128
Subscriber units retuned	308	308
Subscriber units reprogrammed	26666	26666
Subscriber units replaced	12	12
Subscriber units rebanded total	26986	26986
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 estimated duration in number of days required to complete the task identified, and (2) the date in which each task will be completed. Please see Attachment 1, hereby incorporated into the Agreement, for additional detail.

Reconfiguration Task	Start Date	Estimated Duration in # of work Days	Completion date
Project Start	Contract Execution		
Reconfiguration Planning			Completed
Turn off 851.0625 and 853.4875 (to allow those blocked licensees to begin their retunes). Return a signed ICN (Incumbent Clear Notice) for these two channels to Sprint		Completed	Completed
Template Creation		235	11/24/2017
**Subscriber first touch		182	5/16/2018
B2B installations		Completed	Completed
Master Site		3	5/21/2018
Reconfigure NW cell*		12	6/1/2018
Reconfigure SW cell.*		12	6/19/2018
Reconfigure N cell.*		23	7/20/2018
Reconfigure S cell.*		27	8/28/2018
Reconfigure Laguna cell.*		8	9/7/2018
Reconfigure conventional Simulcasts*		5	9/14/2018
Disable the remaining CW channels that are to be cleared in Rebanding		1	9/17/2018
Sign and send ICN for all systems/cells/channels to Sprint		1	9/18/2018

Remove Back-to-Back repeaters		10	9/28/2018
Reconfigure CW Cell*		56	12/17/2018
Subscriber second touch		30	1/28/2019
Project close out		38	3/21/2019

\* Includes all remaining units under the cell, testing, BDA retuning and all other tasks required to complete the reconfiguration of each Cell/System

\*\*Subscriber first touch programming will be performed in parallel with template development

**3. Implementation Plan:** The attached Implementation Plan and associated deliverables describe the reconfiguration implementation plan resulting from funds expended under the Planning Funding Agreement dated November 6, 2006.

#### 4. Cost Estimate:

<b>Amendment - 1 (Previous)</b>		
<b>Description of Work To Be Performed</b>	<b>Payee(separately identify Incumbent and each Vendor being paid for work performed)</b>	<b>Estimated Cost(s) for Incumbent and Each Vendor (Not to Exceed listed amount)</b>
<b>I. Subscriber Reconfiguration Services - First Touch</b> ----- Subscriber ----- <ul style="list-style-type: none"> <li>• Final Inventory Reconciliation (16hrs @ \$175.00 /hr = \$2,800.00)</li> </ul>	(Vendor) Motorola	\$2,800.00
<b>II. Project Management, including on site supervision</b> ----- Professional Services ----- <ul style="list-style-type: none"> <li>• Project Management (60hrs @ \$175.00 /hr = \$10,500.00)</li> <li>• Receive, Store, Pack, Ship including reports and documentation (1 @ \$14,230.80 /unit = \$14,230.80)</li> <li>• Months - Secure Storage location (8 @ \$705.00 /unit = \$5,640.00)</li> </ul>	(Vendor) Motorola	\$30,370.80
<b>Amendment - 2 (Previous)</b>		
<b>Description of Work To Be Performed</b>	<b>Payee(separately identify Incumbent and each Vendor being paid</b>	<b>Estimated Cost(s) for Incumbent and Each Vendor (Not to Exceed</b>

	<b>for work performed)</b>	<b>listed amount)</b>
<b>III. Subscriber Reconfiguration Services - First Touch</b> ----- Subscriber ----- <ul style="list-style-type: none"> <li>● Asset Identification, Tracking and Logistics including software any labor and associated costs after 15 Feb 07 are included in this cost. (1 @ \$112,057.00 /unit = \$112,057.00)</li> </ul>	(Incumbent) ORANGE, COUNTY OF, CA PH II	\$112,057.00
<b>IV. Infrastructure Reconfiguration - Services</b> ----- Infrastructure ----- <b>SIMS Replacement</b> <ul style="list-style-type: none"> <li>● County Costs support (2 units @ 24.00 hrs each @ \$95.00 /hr = \$4,560.00)</li> <li>● County Admin 2 people (8hrs @ \$76.08 /hr = \$608.64)</li> <li>● Program Support Mgr (16hrs @ \$76.08 /hr = \$1,217.28)</li> <li>● Technical Unit Supervisor (8hrs @ \$88.00 /hr = \$704.00)</li> </ul> <b>Infrastructure Antennas</b> <ul style="list-style-type: none"> <li>● County Costs Support (132hrs @ \$88.00 /hr = \$11,616.00)</li> <li>● Technical Unit Supervisor (8hrs @ \$88.00 /hr = \$704.00)</li> <li>● Division Managers (2 people 4 hrs ea) (8hrs @ \$76.08 /hr = \$608.64)</li> <li>● Program Support Manager (16hrs @ \$76.08 /hr = \$1,217.28)</li> </ul> <b>Mobile Radio Scanners (12)</b>	(Incumbent) ORANGE, COUNTY OF, CA PH II	\$21,235.84
----- Infrastructure ----- <b>SIMS Replacement</b> <ul style="list-style-type: none"> <li>● PM - Project Management (2 units @ 24.00 hrs each @ \$190.00 /hr = \$9,120.00)</li> </ul> <b>Infrastructure Antennas</b>	(Vendor) Motorola	\$47,072.00

<ul style="list-style-type: none"> <li>• Sub - Replace Antennas (32 @ \$1,186.00 /unit = \$37,952.00)</li> </ul>		
<p><b>V. Infrastructure Reconfiguration - Equipment / Software</b></p> <p>----- Sch C Equipment -----</p> <ul style="list-style-type: none"> <li>• SIMS II Client (GW3-COM--CL1-B - Model No:L3516 (1 @ \$42,840.00 /Each = \$42,840.00)</li> <li>• SIMS II Host/Client (GW3-COM-H01-B - Model No:L3517 (1 @ \$94,350.00 /Each = \$94,350.00)</li> <li>• Motorola - Service Monitor RRDN6401A - Model No:RRDN6401A (3 @ \$1,732.50 /Each = \$5,197.50)</li> <li>• Motorola - Service Monitor RRDN6402A - Model No:RRDN6402A (25 @ \$5,890.50 /Each = \$147,262.50)</li> <li>• Motorola - Series Installation &amp; Calibration Required for RRDN7298A - Model No:RRDN7298A (25 @ \$675.00 /Each = \$16,875.00)</li> <li>• Sinclair - SE419-SF3PALDF Sinclair 746-869 MHz - Model No:DSSE419SF3PALDF (20 @ \$2,086.56 /Each = \$41,731.20)</li> <li>• Celwave - Antenna 806-869 - Model No:RFSAAP866516 (4 @ \$2,254.23 /Each = \$9,016.92)</li> <li>• TX/RX - 101D-90-06-0-03 806-890 MHz - Model No:DQ101D9006003 (1 @ \$4,237.11 /Each = \$4,237.11)</li> <li>• Andrew - DB806 KE-XT Andrew 806-869 MHz - Model No:DQDB806EXT (6 @ \$972.81 /Each = \$5,836.86)</li> <li>• Sinclair - Antenna 806-869 - Model No:DSSC488SF1SNF (1 @ \$1,688.04 /Each = \$1,688.04)</li> </ul>	(Vendor) Motorola	\$369,035.13

<b>Amendment - 4 (Previous)</b>		
<b>Description of Work To Be Performed</b>	<b>Payee(separately identify Incumbent and each Vendor being paid for work performed)</b>	<b>Estimated Cost(s) for Incumbent and Each Vendor (Not to Exceed listed amount)</b>
<p><b>VI. Infrastructure Reconfiguration - Services</b> ----- Infrastructure ----- Infrastructure Antennas</p> <ul style="list-style-type: none"> <li>● Sub - Replace Antennas (-32 @ \$1,186.00 /unit = (\$37,952.00))</li> </ul> <p>Bolero Peak</p> <ul style="list-style-type: none"> <li>● Sub – Replace Tx &amp; Rx antennas (Quote) (3 @ \$1,186.00 /unit = \$3,558.00)</li> </ul> <p>Fire Station #2</p> <ul style="list-style-type: none"> <li>● Sub – Replace Tx &amp; Rx antennas (Quote) (1 @ \$1,186.00 /unit = \$1,186.00)</li> </ul> <p>La Palma</p> <ul style="list-style-type: none"> <li>● Sub – Replace Tx &amp; Rx antennas (Quote) (5 @ \$1,186.00 /unit = \$5,930.00)</li> </ul> <p>Loma Ridge</p> <ul style="list-style-type: none"> <li>● Sub – Replace Tx &amp; Rx antennas (Quote) (5 @ \$1,186.00 /unit = \$5,930.00)</li> </ul> <p>Moorhead</p> <ul style="list-style-type: none"> <li>● Sub – Replace Tx &amp; Rx antennas (Quote) (2 @ \$1,186.00 /unit = \$2,372.00)</li> </ul> <p>Olinda</p> <ul style="list-style-type: none"> <li>● Sub – Replace Tx &amp; Rx antennas (Quote) (1 @ \$1,186.00 /unit = \$1,186.00)</li> </ul> <p>Santa Ana Canyon</p> <ul style="list-style-type: none"> <li>● Sub – Replace Tx &amp; Rx antennas (Quote) (3 @ \$1,186.00 /unit = \$3,558.00)</li> </ul>	(Vendor) Motorola	\$22,644.00

<p>Seal Beach</p> <ul style="list-style-type: none"> <li>Sub – Replace Tx &amp; Rx antennas (Quote) (4 @ \$1,186.00 /unit = \$4,744.00)</li> </ul> <p>Silverado Canyon</p> <ul style="list-style-type: none"> <li>Sub – Replace Tx &amp; Rx antennas (Quote) (3 @ \$1,186.00 /unit = \$3,558.00)</li> </ul> <p>South Coast Medical Center</p> <ul style="list-style-type: none"> <li>Sub – Replace Tx &amp; Rx antennas (Quote) (4 @ \$1,186.00 /unit = \$4,744.00)</li> </ul> <p>Fire Station #4</p> <ul style="list-style-type: none"> <li>Sub – Replace Tx &amp; Rx antennas (Quote) (1 @ \$1,186.00 /unit = \$1,186.00)</li> </ul> <p>SIMS/Genwatch Replacement</p> <ul style="list-style-type: none"> <li>FSO - SIMS Genwatch Replacement (30hrs @ \$190.00 /hr = \$5,700.00)</li> <li>FSO - Site Lens Genwatch Replacement (4hrs @ \$190.00 /hr = \$760.00)</li> <li>Sub - Genesis Training and Data Optimization. Training by Genesis for Santa Ana Fire &amp; MetroNet (1 @ \$11,624.00 /unit = \$11,624.00)</li> <li>PM - Project Manager (24hrs @ \$190.00 /hr = \$4,560.00)</li> </ul>		
<p><b>VII. Project Management, including on site supervision</b>                  ----- Professional Services -----</p> <ul style="list-style-type: none"> <li>Project Management (32hrs @ \$190.00 /hr = \$6,080.00)</li> </ul>	(Vendor) Motorola	\$6,080.00
<p><b>VIII. Infrastructure Reconfiguration - Equipment / Software</b>                  ----- Sch C Equipment -----</p>	(Vendor) Motorola	\$23,157.12

- Increase in cost or items no longer available - Model No:-
- Sinclair - SE419-SF3PALDF Sinclair 746-869 MHz - Model No:DSSE419SF3PALDF (-20 @ \$2,086.56 /Each = (\$41,731.20))
- Celwave - Antenna 806-869 - Model No:RFSAAP866516 (-4 @ \$2,254.23 /Each = (\$9,016.92))
- TX/RX - 101D-90-06-0-03 806-890 MHz - Model No:DQ101D9006003 (-1 @ \$4,237.11 /Each = (\$4,237.11))
- Andrew - DB806 KE-XT Andrew 806-869 MHz - Model No:DQDB806EXT (-6 @ \$972.81 /Each = (\$5,836.86))
- Sinclair - Antenna 806-869 - Model No:DSSC488SF1SNF (-1 @ \$1,688.04 /Each = (\$1,688.04))
- Antennas to replace - Model No:-
- ENCLOSED 9 DIPOLE ARRAY, 10.5-13 DBD GAIN, LOW PIM, 746-869 MHZ - Model No:DSSE419SF3PALDF (20 @ \$3,132.25 /Each = \$62,645.00)
- ANT VPOLFT 65D 16DB 806-894 MHZ - Model No:DQAP866516CT0 (4 @ \$2,365.55 /Each = \$9,462.20)
- ANTENNA DUAL 806-960 6 DBD 0 DEGREE - Model No:DQ101D9006003 (1 @ \$4,444.65 /Each = \$4,444.65)
- DS8A06F36U-D, 806-869 MHZ OMNI FIBERGLASS ANT, 6 DBD - Model No:DSDS8A06F36UD (6 @ \$1,215.50 /Each = \$7,293.00)
- ANTENNA OMNI, 806-869 MHZ 10DB 7/16 DIN - Model No:DQAO8410M54T3 (1 @

\$1,822.40 /Each = \$1,822.40)		
<b>Amendment - 5 (Previous)</b>		
<b>Description of Work To Be Performed</b>	<b>Payee(separately identify Incumbent and each Vendor being paid for work performed)</b>	<b>Estimated Cost(s) for Incumbent and Each Vendor (Not to Exceed listed amount)</b>
<p><b>IX. Infrastructure Reconfiguration - Equipment / Software</b></p> <p>----- Sch C Equipment -----</p> <ul style="list-style-type: none"> <li>• Additional R2670A Monitor upgrades discovered</li> <li>• Motorola - General Dynamics Retrofit /Upgrade Charge (required for rebanding R2670A) - Model No:TT2230A (2 @ \$900.00 /Each = \$1,800.00)</li> <li>• Motorola - GENERAL DYNAMICS R2670A REBANDING UPGRADE (Required TT2230A, Serial number, End user Contact info and Shipment to Elgin) - Model No:TT05317AA (2 @ \$6,300.00 /Each = \$12,600.00)</li> <li>• Five Service Monitors that require replacement</li> <li>• Motorola - General Dynamics R2670B Service Monitor - Model No:TT2229A (1 @ \$16,887.60 /Each = \$16,887.60)</li> <li>• Motorola - Smartnet/SmartZone with ASTRO Trunking (RLN4497) - Model No:TT05307AA (1 @ \$6,300.00 /Each = \$6,300.00)</li> <li>• Motorola - IEEE 488.2 Remote Interface (RLN4329) - Model No:TT05303AA (1 @ \$630.00 /Each = \$630.00)</li> <li>• Motorola - C-Message Filter with 600 ohm load (RLN4034) - Model No:TT05301AA (1 @ \$529.20 /Each = \$529.20)</li> <li>• Motorola - CCITT Filter</li> </ul>	(Vendor) Motorola	\$159,680.88



with 600 ohm load (RLN4361) -  
Model No:TT05304AA (1 @  
\$529.20 /Each = \$529.20)

- Motorola - Phase  
Mod/Demod (RLN4484) - Model  
No:TT05305AA (1 @ \$736.20  
/Each = \$736.20)
- Motorola - Enhanced  
Digital Hardware Module (CM801)  
- Model No:TT05291AA (1 @  
\$2,646.90 /Each = \$2,646.90)
- Motorola - Securenet  
(CM711) - Model No:TT05299AA  
(1 @ \$1,323.90 /Each = \$1,323.90)
- Motorola - ASTRO  
(VSELP Vocoder) (CM712) - Model  
No:TT05300AA (1 @ \$1,323.90  
/Each = \$1,323.90)
- Motorola - Project 25 with  
DES-OFB encryption (CM813) -  
Model No:TT05292AA (1 @  
\$2,646.90 /Each = \$2,646.90)
- Motorola - Project 25  
Trunkin (CM814) - Model  
No:TT05293AA (1 @ \$1,640.70  
/Each = \$1,640.70)
- Motorola - DES, DES-XL  
(CM708) - Model No:TT05296AA  
(1 @ \$2,117.70 /Each = \$2,117.70)
- Motorola - General  
Dynamics R2670B Service Monitor  
- Model No:TT2229A (2 @  
\$16,887.60 /Each = \$33,775.20)
- Motorola - Analog  
Trunking Option  
(Smartnet/SmartZone) - Model  
No:TT05308AA (2 @ \$5,240.70  
/Each = \$10,481.40)
- Motorola - Enhanced  
Digital Hardware Module (CM801)  
- Model No:TT05291AA (2 @  
\$2,646.90 /Each = \$5,293.80)
- Motorola - Securenet  
(CM711) - Model No:TT05299AA

<p>(2 @ \$1,323.90 /Each = \$2,647.80)</p> <ul style="list-style-type: none"> <li>• Motorola - DES, DES-XL (CM708) - Model No:TT05296AA (2 @ \$2,117.70 /Each = \$4,235.40)</li> <li>• Motorola - DVP-XL (CM709) - Model No:TT05297AA (2 @ \$1,323.90 /Each = \$2,647.80)</li> <li>• Motorola - General Dynamics R2670B Service Monitor - Model No:TT2229A (2 @ \$16,887.60 /Each = \$33,775.20)</li> <li>• Motorola - Analog Trunking Option (Smartnet/SmartZone) - Model No:TT05308AA (2 @ \$5,240.70 /Each = \$10,481.40)</li> <li>• Additional R2670B Monitor upgrades and price changes</li> <li>• Motorola - Service Monitor RRDN6401A - Model No:RRDN6401A (-3 @ \$1,732.50 /Each = (\$5,197.50))</li> <li>• Motorola - General Dynamics R2670B Upgrade (Field Installed) - Model No:DDN9816A (5 @ \$1,853.10 /Each = \$9,265.50)</li> <li>• Motorola - R2760A Monitor Upgrade Shipping to Test Equipment Repair Center - Model No: Shipping (27 @ \$20.84 /Each = \$562.68)</li> </ul>		
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**Amendment - 6 (Previous)**

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>X. Subscriber Reconfiguration Services - First Touch</b>                      ----- Subscriber -----</p> <ul style="list-style-type: none"> <li>• Template work. Each template will be touched only once. Any duplicate work due to changes in frequencies will not qualify for reimbursement. (1050 units @ 4.50</li> </ul>	<p>(Incumbent)                      ORANGE, COUNTY OF,                      CA PH II</p>	<p>\$415,800.00</p>

hrs each @ \$88.00 /hr = \$415,800.00)		
<b>XI. Infrastructure Reconfiguration - Services</b> ----- Infrastructure ----- Fire Station #2 <ul style="list-style-type: none"><li>Sub - Descope: Replace Tx &amp; Rx antennas (Quote) (-1 @ \$1,186.00 /unit = (\$1,186.00))</li></ul>	(Vendor) Motorola	(\$1,186.00)
<b>XII. Infrastructure Reconfiguration - Equipment / Software</b> ----- Sch C Equipment ----- <ul style="list-style-type: none"><li>L4PDM Andrew connectors 1/2" - Model No:L4PDM (56 @ \$31.83 /Each = \$1,782.48)</li><li>L5PDF Andrew connectors 7/8" - Model No:L5PDF (28 @ \$47.57 /Each = \$1,331.96)</li></ul>	(Vendor) Motorola	\$3,114.44
<b>Amendment - 7 (Previous)</b>		
<b>Description of Work To Be Performed</b>	<b>Payee(separately identify Incumbent and each Vendor being paid for work performed)</b>	<b>Estimated Cost(s) for Incumbent and Each Vendor (Not to Exceed listed amount)</b>
<b>XIII. Subscriber Reconfiguration Services - First Touch</b> ----- Subscriber ----- <ul style="list-style-type: none"><li>Travel time to/from agency locations (26hrs @ \$88.00 /hr = \$2,288.00)</li><li>Escort/Supervision – Replace desk sets (424hrs @ \$88.00 /hr = \$37,312.00)</li><li>Escort/Supervision – Replace junction boxes (127hrs @ \$88.00 /hr = \$11,176.00)</li><li>Escort/Supervision – Replace modems (8hrs @ \$88.00 /hr = \$704.00)</li></ul>	(Incumbent) ORANGE, COUNTY OF, CA PH II	\$51,480.00
----- Subscriber ----- <ul style="list-style-type: none"><li>Motorola - Remove existing Deskset then Install MC3000 (212 units @ 1.00 hrs each</li></ul>	(Vendor) Motorola	\$90,060.00

<p>@ \$190.00 /hr = \$40,280.00)</p> <ul style="list-style-type: none"> <li>• Motorola - Install Junction Box (127 units @ 2.00 hrs each @ \$190.00 /hr = \$48,260.00)</li> <li>• Motorola - Install Modem (8 units @ 1.00 hrs each @ \$190.00 /hr = \$1,520.00)</li> </ul>		
<p><b>XIV. Project Management, including on site supervision</b> ----- Professional Services -----</p> <ul style="list-style-type: none"> <li>• Division Director (2hrs @ \$76.08 /hr = \$152.16)</li> <li>• Assistant Director/Chief Engineer (12hrs @ \$76.08 /hr = \$912.96)</li> <li>• Program Support Manager (28hrs @ \$76.08 /hr = \$2,130.24)</li> <li>• Comm. Tech. II – Logistics (66hrs @ \$88.00 /hr = \$5,808.00)</li> <li>• Storekeeper II – Inventory (6hrs @ \$88.00 /hr = \$528.00)</li> <li>• Admin. Support – Secretarial (26hrs @ \$32.29 /hr = \$839.54)</li> </ul>	<p>(Incumbent) ORANGE, COUNTY OF, CA PH II</p>	<p>\$10,370.90</p>
<p>----- Professional Services -----</p> <ul style="list-style-type: none"> <li>• PM - Project Manager On-site Supervision &amp; Coordination (4hrs @ \$190.00 /hr = \$760.00)</li> <li>• PM - Kick off &amp; Status Meetings, On Site Coordination, Subcontracting, Close out (26hrs @ \$190.00 /hr = \$4,940.00)</li> </ul>	<p>(Vendor) Motorola</p>	<p>\$5,700.00</p>
<p><b>XV. Contract, Legal and Regulatory Filings (includes all third party tasks, including project management, travel)</b> ----- Legal -----</p> <ul style="list-style-type: none"> <li>• County Counsel (8hrs @ \$172.32 /hr = \$1,378.56)</li> </ul>	<p>(Incumbent) ORANGE, COUNTY OF, CA PH II</p>	<p>\$1,378.56</p>
<p><b>Amendment - 8 (Previous)</b></p>		

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>XVI. Subscriber Reconfiguration Services - First Touch</b>            ----- Subscriber -----</p> <ul style="list-style-type: none"> <li>• De-install &amp; Install for standard sedan or light/medium truck with no obstructions or special installation requirements. Includes subtasks above (3 units @ 3.30 hrs each @ \$213.00 /hr = \$2,108.70)</li> <li>• Functional Pre-test of existing radio - Talk group call on system • Retune existing radio (no obstruction to retuning of radio) • Functional post test of existing radio - Talk group call on system (2 units @ 0.90 hrs each @ \$213.00 /hr = \$383.40)</li> <li>• Removal and re-install of existing mobile radio if radio cannot be programmed in the vehicle due to obstruction to programming port. (2 units @ 1.00 hrs each @ \$213.00 /hr = \$426.00)</li> <li>• Functional Pre-test of existing radio - Talk group call on system • Flash existing radio with Rebanding software - Load Programming Template into existing radio (no obstructions to programming port of radio and radio is to be flashed and programmed in the vehicle) • Functional post test of existing radio - Talk group call on system (3757 units @ 0.90 hrs each @ \$213.00 /hr = \$720,216.90)</li> <li>• Removal and re-install of existing mobile radio if radio cannot be programmed in the vehicle due to obstruction to programming port. (500 units @ 1.00 hrs each @ \$213.00 /hr = \$106,500.00)</li> <li>• Functional post test of existing radio - Talk group call on system • Retune existing radio (no</li> </ul>	(Vendor) Motorola	\$5,244,989.70

obstruction to retuning of radio) •  
 Functional post test of existing radio  
 - Talk group call on system (102  
 units @ 0.70 hrs each @ \$213.00 /hr  
 = \$15,208.20)

- • Functional Pre-Test of  
 existing radio - Talk group call on  
 system • Flash existing radio with  
 Rebanding software • Load  
 programming template into existing  
 radio • Functional post test of  
 existing radio - Talk group call on  
 system (5131 units @ 0.70 hrs each  
 @ \$213.00 /hr = \$765,032.10)

- 80-20 overtime split-  
 mobiles (1428 @ \$107.00 /unit =  
 \$152,796.00)

- 80-20 overtime split-  
 mobiles (733 @ \$107.00 /unit =  
 \$78,431.00)

- • Functional Pre-test of  
 existing radio - Talk group call on  
 system • Flash existing radio with  
 Rebanding software - Load  
 Programming Template into existing  
 radio (no obstructions to  
 programming port of radio and radio  
 is to be flashed and programmed in  
 the vehicle) • Functional post test of  
 existing radio - Talk group call on  
 system (3757 units @ 0.90 hrs each  
 @ \$201.00 /hr = \$679,641.30)

- Removal and re-install of  
 existing mobile radio if radio cannot  
 be programmed in the vehicle due to  
 obstruction to programming port.  
 (500 units @ 1.00 hrs each @  
 \$201.00 /hr = \$100,500.00)

- • Functional post test of  
 existing radio - Talk group call on  
 system • Retune existing radio (no  
 obstruction to retuning of radio) •  
 Functional post test of existing radio  
 - Talk group call on system (102  
 units @ 0.70 hrs each @ \$201.00 /hr  
 = \$14,351.40)

- • Functional Pre-Test of

existing radio - Talk group call on system • Flash existing radio with Rebanding software • Load programming template into existing radio • Functional post test of existing radio - Talk group call on system (5131 units @ 0.70 hrs each @ \$201.00 /hr = \$721,931.70)

- 80-20 overtime split-mobiles (1428 @ \$101.00 /unit = \$144,228.00)

- 80-20 overtime split-mobiles (733 @ \$101.00 /unit = \$74,033.00)

- Functional Pre-test of existing radio - Talk group call on system • Flash existing radio with Rebanding software - Load Programming Template into existing radio (no obstructions to programming port of radio and radio is to be flashed and programmed in the vehicle) • Functional post test of existing radio - Talk group call on system (3758 units @ 0.90 hrs each @ \$166.00 /hr = \$561,445.20)

- Removal and re-install of existing mobile radio if radio cannot be programmed in the vehicle due to obstruction to programming port. (500 units @ 1.00 hrs each @ \$166.00 /hr = \$83,000.00)

- Functional post test of existing radio - Talk group call on system • Retune existing radio (no obstruction to retuning of radio) • Functional post test of existing radio - Talk group call on system (102 units @ 0.70 hrs each @ \$166.00 /hr = \$11,852.40)

- Functional Pre-Test of existing radio - Talk group call on system • Flash existing radio with Rebanding software • Load programming template into existing radio • Functional post test of existing radio - Talk group call on

<p>system (5132 units @ 0.70 hrs each @ \$166.00 /hr = \$596,338.40)</p> <ul style="list-style-type: none"> <li>• 80-20 overtime split-mobiles (1428 @ \$83.00 /unit = \$118,524.00)</li> <li>• 80-20 overtime split-mobiles (734 @ \$83.00 /unit = \$60,922.00)</li> <li>• PM - Project Manager on Site Supervision &amp; Coordination (1184hrs @ \$190.00 /hr = \$224,960.00)</li> <li>• SE - SE Templates, Procedures for Subscribers Support (16hrs @ \$190.00 /hr = \$3,040.00)</li> <li>• ST - ST Templates &amp; procedures supervision and approvals (48hrs @ \$190.00 /hr = \$9,120.00)</li> </ul>		
<p><b>XVII. Infrastructure Reconfiguration - Services</b>                  ----- Infrastructure -----</p> <ul style="list-style-type: none"> <li>• Repeaters (15 units @ 1.00 hrs each @ \$190.00 /hr = \$2,850.00)</li> <li>• Retune Combiners &amp; Duplexer (Antenna System) (15 units @ 1.00 hrs each @ \$190.00 /hr = \$2,850.00)</li> <li>• Simulcast alignment (15 units @ 1.00 hrs each @ \$190.00 /hr = \$2,850.00)</li> <li>• Mobilization (4 units @ 3.00 hrs each @ \$190.00 /hr = \$2,280.00)</li> <li>• Repeaters (22 units @ 1.00 hrs each @ \$190.00 /hr = \$4,180.00)</li> <li>• Retune Combiners &amp; Duplexer (Antenna System) (22 units @ 1.00 hrs each @ \$190.00 /hr = \$4,180.00)</li> <li>• Simulcast alignment (21 units @ 1.00 hrs each @ \$190.00 /hr</li> </ul>	<p>(Vendor) Motorola</p>	<p>\$900,828.59</p>



= \$3,990.00)

- Mobilization (10 units @ 3.00 hrs each @ \$190.00 /hr = \$5,700.00)
- Repeaters (2 units @ 1.00 hrs each @ \$190.00 /hr = \$380.00)
- Retune Combiners & Duplexer (Antenna System) (2 units @ 1.00 hrs each @ \$190.00 /hr = \$380.00)
- Mobilization (2 units @ 6.00 hrs each @ \$190.00 /hr = \$2,280.00)
- Repeaters (3 units @ 1.00 hrs each @ \$190.00 /hr = \$570.00)
- Retune Combiners & Duplexer (Antenna System) (3 units @ 1.00 hrs each @ \$190.00 /hr = \$570.00)
- Mobilization (3 units @ 3.00 hrs each @ \$190.00 /hr = \$1,710.00)
- Repeaters (2 units @ 1.00 hrs each @ \$190.00 /hr = \$380.00)
- Retune Combiners & Duplexer (Antenna System) (2 units @ 1.00 hrs each @ \$190.00 /hr = \$380.00)
- Simulcast alignment (1 units @ 1.00 hrs each @ \$190.00 /hr = \$190.00)
- Mobilization (1 units @ 3.00 hrs each @ \$190.00 /hr = \$570.00)
- Repeaters (30 units @ 1.00 hrs each @ \$190.00 /hr = \$5,700.00)
- Retune Combiners & Duplexer (Antenna System) (30 units @ 1.00 hrs each @ \$190.00 /hr = \$5,700.00)
- Simulcast alignment (30 units @ 1.00 hrs each @ \$190.00 /hr

= \$5,700.00)

- Mobilization (8 units @ 3.00 hrs each @ \$190.00 /hr = \$4,560.00)
- Repeaters (15 units @ 1.00 hrs each @ \$190.00 /hr = \$2,850.00)
- Retune Combiners & Duplexer (Antenna System) (15 units @ 1.00 hrs each @ \$190.00 /hr = \$2,850.00)
- Simulcast alignment (15 units @ 1.00 hrs each @ \$190.00 /hr = \$2,850.00)
- Mobilization (4 units @ 3.00 hrs each @ \$190.00 /hr = \$2,280.00)
- Repeaters (20 units @ 1.00 hrs each @ \$190.00 /hr = \$3,800.00)
- Retune Combiners & Duplexer (Antenna System) (20 units @ 1.00 hrs each @ \$190.00 /hr = \$3,800.00)
- Simulcast alignment (20 units @ 1.00 hrs each @ \$190.00 /hr = \$3,800.00)
- Mobilization (9 units @ 3.00 hrs each @ \$190.00 /hr = \$5,130.00)
- Repeaters (4 units @ 1.00 hrs each @ \$190.00 /hr = \$760.00)
- Retune Combiners & Duplexer (Antenna System) (4 units @ 1.00 hrs each @ \$190.00 /hr = \$760.00)
- Mobilization (3 units @ 3.00 hrs each @ \$190.00 /hr = \$1,710.00)
- Repeaters (17 units @ 1.00 hrs each @ \$190.00 /hr = \$3,230.00)
- Retune Combiners & Duplexer (Antenna System) (17 units @ 1.00 hrs each @ \$190.00 /hr

= \$3,230.00)

- Simulcast alignment (17 units @ 1.00 hrs each @ \$190.00 /hr = \$3,230.00)
- Mobilization (7 units @ 3.00 hrs each @ \$190.00 /hr = \$3,990.00)
- Combiner re-cabing (1 units @ 4.00 hrs each @ \$190.00 /hr = \$760.00)
- Repeaters (1 units @ 1.00 hrs each @ \$190.00 /hr = \$190.00)
- Retune Combiners & Duplexer (Antenna System) (1 units @ 1.00 hrs each @ \$190.00 /hr = \$190.00)
- Mobilization (1 units @ 3.00 hrs each @ \$190.00 /hr = \$570.00)
- Repeaters (1 units @ 1.00 hrs each @ \$190.00 /hr = \$190.00)
- Retune Combiners & Duplexer (Antenna System) (1 units @ 1.00 hrs each @ \$190.00 /hr = \$190.00)
- Mobilization (1 units @ 3.00 hrs each @ \$190.00 /hr = \$570.00)
- Repeaters (11 units @ 1.00 hrs each @ \$190.00 /hr = \$2,090.00)
- Retune Combiners & Duplexer (Antenna System) (11 units @ 1.00 hrs each @ \$190.00 /hr = \$2,090.00)
- Simulcast alignment (11 units @ 1.00 hrs each @ \$190.00 /hr = \$2,090.00)
- Mobilization (4 units @ 3.00 hrs each @ \$190.00 /hr = \$2,280.00)
- Repeaters (16 units @ 1.00

hrs each @ \$190.00 /hr = \$3,040.00)

- Retune Combiners & Duplexer (Antenna System) (16 units @ 1.00 hrs each @ \$190.00 /hr = \$3,040.00)

- Simulcast alignment (16 units @ 1.00 hrs each @ \$190.00 /hr = \$3,040.00)

- Mobilization (6 units @ 3.00 hrs each @ \$190.00 /hr = \$3,420.00)

- Controllers (2 units @ 1.00 hrs each @ \$190.00 /hr = \$380.00)

- Repeaters (8 units @ 1.00 hrs each @ \$190.00 /hr = \$1,520.00)

- Retune Combiners & Duplexer (Antenna System) (8 units @ 1.00 hrs each @ \$190.00 /hr = \$1,520.00)

- Simulcast alignment (8 units @ 1.00 hrs each @ \$190.00 /hr = \$1,520.00)

- Mobilization (3 units @ 3.00 hrs each @ \$190.00 /hr = \$1,710.00)

- Repeaters (8 units @ 1.00 hrs each @ \$190.00 /hr = \$1,520.00)

- Retune Combiners & Duplexer (Antenna System) (8 units @ 1.00 hrs each @ \$190.00 /hr = \$1,520.00)

- Simulcast alignment (8 units @ 1.00 hrs each @ \$190.00 /hr = \$1,520.00)

- Mobilization (3 units @ 3.00 hrs each @ \$190.00 /hr = \$1,710.00)

- Controllers (2 units @ 1.00 hrs each @ \$190.00 /hr = \$380.00)

- Repeaters (23 units @ 1.00 hrs each @ \$190.00 /hr = \$4,370.00)

- Retune Combiners & Duplexer (Antenna System) (23 units @ 1.00 hrs each @ \$190.00 /hr = \$4,370.00)
- Simulcast alignment (23 units @ 1.00 hrs each @ \$190.00 /hr = \$4,370.00)
- Mobilization (7 units @ 3.00 hrs each @ \$190.00 /hr = \$3,990.00)
- Controllers (6 units @ 1.00 hrs each @ \$190.00 /hr = \$1,140.00)
- Repeaters (40 units @ 1.00 hrs each @ \$190.00 /hr = \$7,600.00)
- Retune Combiners & Duplexer (Antenna System) (40 units @ 1.00 hrs each @ \$190.00 /hr = \$7,600.00)
- Simulcast alignment (36 units @ 1.00 hrs each @ \$190.00 /hr = \$6,840.00)
- Mobilization (24 units @ 3.00 hrs each @ \$190.00 /hr = \$13,680.00)
- Install and remove B2B (1 @ \$2,637.00 /unit = \$2,637.00)
- Install and remove B2B Tx antenna (1 @ \$5,382.00 /unit = \$5,382.00)
- Spare repeaters (60 units @ 1.00 hrs each @ \$190.00 /hr = \$11,400.00)
- Repeaters (1 units @ 1.00 hrs each @ \$190.00 /hr = \$190.00)
- Retune Combiners & Duplexer (Antenna System) (1 units @ 1.00 hrs each @ \$190.00 /hr = \$190.00)
- Mobilization (1 units @ 3.00 hrs each @ \$190.00 /hr = \$570.00)
- Controllers (2 units @ 1.00

hrs each @ \$190.00 /hr = \$380.00)

- Repeaters (25 units @ 1.00 hrs each @ \$190.00 /hr = \$4,750.00)

- Retune Combiners & Duplexer (Antenna System) (25 units @ 1.00 hrs each @ \$190.00 /hr = \$4,750.00)

- Simulcast alignment (15 units @ 1.00 hrs each @ \$190.00 /hr = \$2,850.00)

- Mobilization (10 units @ 3.00 hrs each @ \$190.00 /hr = \$5,700.00)

- Controllers (2 units @ 1.00 hrs each @ \$190.00 /hr = \$380.00)

- Repeaters (18 units @ 1.00 hrs each @ \$190.00 /hr = \$3,420.00)

- Retune Combiners & Duplexer (Antenna System) (18 units @ 1.00 hrs each @ \$190.00 /hr = \$3,420.00)

- Simulcast alignment (18 units @ 1.00 hrs each @ \$190.00 /hr = \$3,420.00)

- Mobilization (6 units @ 3.00 hrs each @ \$190.00 /hr = \$3,420.00)

- Repeaters (17 units @ 1.00 hrs each @ \$190.00 /hr = \$3,230.00)

- Retune Combiners & Duplexer (Antenna System) (17 units @ 1.00 hrs each @ \$190.00 /hr = \$3,230.00)

- Simulcast alignment (17 units @ 1.00 hrs each @ \$190.00 /hr = \$3,230.00)

- Mobilization (7 units @ 3.00 hrs each @ \$190.00 /hr = \$3,990.00)

- Repeaters (16 units @ 1.00 hrs each @ \$190.00 /hr = \$3,040.00)

- Retune Combiners & Duplexer (Antenna System) (16 units @ 1.00 hrs each @ \$190.00 /hr = \$3,040.00)
- Simulcast alignment (15 units @ 1.00 hrs each @ \$190.00 /hr = \$2,850.00)
- Mobilization (5 units @ 3.00 hrs each @ \$190.00 /hr = \$2,850.00)
- Repeaters (23 units @ 1.00 hrs each @ \$190.00 /hr = \$4,370.00)
- Retune Combiners & Duplexer (Antenna System) (23 units @ 1.00 hrs each @ \$190.00 /hr = \$4,370.00)
- Simulcast alignment (21 units @ 1.00 hrs each @ \$190.00 /hr = \$3,990.00)
- Mobilization (10 units @ 3.00 hrs each @ \$190.00 /hr = \$5,700.00)
- Install and remove 3 B2B and 1 combiner (1 @ \$5,546.00 /unit = \$5,546.00)
- Install and remove B2B Tx antenna (1 @ \$5,382.00 /unit = \$5,382.00)
- Repeaters (22 units @ 1.00 hrs each @ \$190.00 /hr = \$4,180.00)
- Retune Combiners & Duplexer (Antenna System) (22 units @ 1.00 hrs each @ \$190.00 /hr = \$4,180.00)
- Simulcast alignment (21 units @ 1.00 hrs each @ \$190.00 /hr = \$3,990.00)
- Mobilization (10 units @ 3.00 hrs each @ \$190.00 /hr = \$5,700.00)
- Repeaters (21 units @ 1.00 hrs each @ \$190.00 /hr = \$3,990.00)

- Retune Combiners & Duplexer (Antenna System) (21 units @ 1.00 hrs each @ \$190.00 /hr = \$3,990.00)
- Simulcast alignment (21 units @ 1.00 hrs each @ \$190.00 /hr = \$3,990.00)
- Mobilization (11 units @ 3.00 hrs each @ \$190.00 /hr = \$6,270.00)
- Repeaters (8 units @ 1.00 hrs each @ \$190.00 /hr = \$1,520.00)
- Retune Combiners & Duplexer (Antenna System) (8 units @ 1.00 hrs each @ \$190.00 /hr = \$1,520.00)
- Simulcast alignment (6 units @ 1.00 hrs each @ \$190.00 /hr = \$1,140.00)
- Mobilization (6 units @ 3.00 hrs each @ \$190.00 /hr = \$3,420.00)
- Install and remove B2B (1 @ \$2,637.00 /unit = \$2,637.00)
- Install and remove B2B Tx antenna (1 @ \$5,382.00 /unit = \$5,382.00)
- Install combiner expansion kit (1 units @ 1.00 hrs each @ \$190.00 /hr = \$190.00)
- Controllers (2 units @ 1.00 hrs each @ \$190.00 /hr = \$380.00)
- Repeaters (22 units @ 1.00 hrs each @ \$190.00 /hr = \$4,180.00)
- Retune Combiners & Duplexer (Antenna System) (22 units @ 1.00 hrs each @ \$190.00 /hr = \$4,180.00)
- Simulcast alignment (21 units @ 1.00 hrs each @ \$190.00 /hr = \$3,990.00)
- Mobilization (10 units @



3.00 hrs each @ \$190.00 /hr =  
\$5,700.00)

- Install and remove B2B (1 @ \$2,637.00 /unit = \$2,637.00)
- Install and remove B2B Tx antenna (1 @ \$5,382.00 /unit = \$5,382.00)
- Install combiner expansion kit (1 units @ 1.00 hrs each @ \$190.00 /hr = \$190.00)
- Repeaters (5 units @ 1.00 hrs each @ \$190.00 /hr = \$950.00)
- Retune Combiners & Duplexer (Antenna System) (5 units @ 1.00 hrs each @ \$190.00 /hr = \$950.00)
- Mobilization (4 units @ 3.00 hrs each @ \$190.00 /hr = \$2,280.00)
- Repeaters (11 units @ 1.00 hrs each @ \$190.00 /hr = \$2,090.00)
- Retune Combiners & Duplexer (Antenna System) (11 units @ 1.00 hrs each @ \$190.00 /hr = \$2,090.00)
- Simulcast alignment (11 units @ 1.00 hrs each @ \$190.00 /hr = \$2,090.00)
- Mobilization (4 units @ 3.00 hrs each @ \$190.00 /hr = \$2,280.00)
- Repeaters (1 units @ 1.00 hrs each @ \$190.00 /hr = \$190.00)
- Retune Combiners & Duplexer (Antenna System) (1 units @ 1.00 hrs each @ \$190.00 /hr = \$190.00)
- Mobilization (1 units @ 3.00 hrs each @ \$190.00 /hr = \$570.00)
- Repeaters (8 units @ 1.00

hrs each @ \$190.00 /hr = \$1,520.00)

- Retune Combiners & Duplexer (Antenna System) (8 units @ 1.00 hrs each @ \$190.00 /hr = \$1,520.00)
- Simulcast alignment (8 units @ 1.00 hrs each @ \$190.00 /hr = \$1,520.00)
- Mobilization (3 units @ 3.00 hrs each @ \$190.00 /hr = \$1,710.00)
- Repeaters (3 units @ 1.00 hrs each @ \$190.00 /hr = \$570.00)
- Retune Combiners & Duplexer (Antenna System) (3 units @ 1.00 hrs each @ \$190.00 /hr = \$570.00)
- Mobilization (1 units @ 3.00 hrs each @ \$190.00 /hr = \$570.00)
- BDA retunes (128 units @ 4.91 hrs each @ \$273.00 /hr = \$171,707.59)
- BDA mobilization (128 units @ 2.00 hrs each @ \$167.00 /hr = \$42,752.00)
- BDA as built documentation (128 units @ 2.00 hrs each @ \$273.00 /hr = \$69,888.00)
- BDA as built mobilization (128 units @ 1.00 hrs each @ \$167.00 /hr = \$21,376.00)
- Prepare B2B equipment for return shipment (16hrs @ \$190.00 /hr = \$3,040.00)
- Project Manager (384hrs @ \$190.00 /hr = \$72,960.00)
- System Engineer (100hrs @ \$190.00 /hr = \$19,000.00)
- System Technologist (520hrs @ \$190.00 /hr =

\$98,800.00)		
<p><b>XVIII. Project Management, including on site supervision</b>  ----- Professional Services -----</p> <ul style="list-style-type: none"> <li>• PM - Project Manager (528hrs @ \$190.00 /hr = \$100,320.00)</li> <li>• SE - System Engineer (232hrs @ \$190.00 /hr = \$44,080.00)</li> <li>• ST - System Technologist (232hrs @ \$190.00 /hr = \$44,080.00)</li> <li>• TE - Travel Expenses (1 @ \$206,479.00 /unit = \$206,479.00)</li> </ul>	(Vendor) Motorola	\$394,959.00
<p><b>XIX. Testing</b>  ----- Testing -----</p> <ul style="list-style-type: none"> <li>• FSO - Pre Rebanding Benchmark Testing (534hrs @ \$190.00 /hr = \$101,460.00)</li> <li>• FSO - Post Rebanding Testing (534hrs @ \$190.00 /hr = \$101,460.00)</li> <li>• Sub - Method 3 testing (480hrs @ \$288.00 /hr = \$138,240.00)</li> <li>• Sub - Voyager Testing Equipment (6 @ \$3,330.00 /unit = \$19,980.00)</li> <li>• PM - Project Manager (128hrs @ \$190.00 /hr = \$24,320.00)</li> <li>• SE - System Engineer (192hrs @ \$190.00 /hr = \$36,480.00)</li> <li>• ST - System Technologist (348hrs @ \$190.00 /hr = \$66,120.00)</li> </ul>	(Vendor) Motorola	\$488,060.00
<p><b>XX. Contract, Legal and Regulatory Filings (includes all third party tasks, including project</b></p>	(Vendor) SRGPE	\$145,475.00

<p><b>management, travel)</b>                  ----- Legal -----</p> <ul style="list-style-type: none"> <li>• Contract Negotiation, Review of Contract, Coordination with City Attorney, Closing Documents, Extension Requests, monthly TA Reports (150hrs @ \$475.00 /hr = \$71,250.00)</li> <li>• Fixed Closing Fee (1 @ \$2,500.00 /unit = \$2,500.00)</li> <li>• Additional hours to date for project negotiations (25hrs @ \$475.00 /hr = \$11,875.00)</li> </ul> <p>Regional Coordination</p> <ul style="list-style-type: none"> <li>• Calls and Emails with Transition Administrator and Regional L (36hrs @ \$475.00 /hr = \$17,100.00)</li> <li>• Attend IPS &amp; Quarterly Regional Meeting (12) (90hrs @ \$475.00 /hr = \$42,750.00)</li> </ul>		
<p><b>XXI. Infrastructure Reconfiguration - Equipment / Software</b>                  ----- Sch C Equipment -----</p> <ul style="list-style-type: none"> <li>• 6809 Code Plug - Model No:UOST-0001 (26 @ \$1,298.00 /Each = \$33,748.00)</li> <li>• "N" Male connectors for 1/2" Superflex at repeater - Model No:DDN9682 (1 @ \$27.20 /Each = \$27.20)</li> <li>• 1/2" Superflex cable from repeater to surge suppressor - Model No:L1702 (25 @ \$4.29 /Each = \$107.25)</li> <li>• BNC Connector 1/4" Superflex (RX side of B2B base Station) - Model No:DSF1TBMC (1 @ \$22.95 /Each = \$22.95)</li> <li>• "N" Male connectors for 1/4" Superflex (1 each 15 foot cable) - Model No:DDN9769 (1 @ \$23.16</li> </ul>	<p>(Vendor) Motorola</p>	<p>\$375,187.99</p>

/Each = \$23.16)

- 1/4" Superflex cable -  
(Receive side of Base Station)(1  
each 15' cable) - Model No:L1700  
(15 @ \$1.91 /Each = \$28.65)
- DIN Connector 1/2"  
Superflex for Combiner to  
suppressor cable - Model  
No:DSF4PDMV2C (1 @ \$27.20  
/Each = \$27.20)
- 7/8" Heliac antenna cable  
(Transmit side) (200" length) -  
Model No:L3617 (200 @ \$7.14  
/Each = \$1,428.00)
- Male DIN connector for  
both ends of 200' cable - Model  
No:DDN1078 (2 @ \$33.79 /Each =  
\$67.58)
- Omni Directional Antenna,  
806-869 MHZ OMNI  
FIBERGLASS ANT, 2.5 DBD, "N"  
Female Connector - Model  
No:DSSC433HF1SNF (1 @  
\$963.90 /Each = \$963.90)
- 1/2" Heliac for 1 each 6  
foot antenna feed jumpers - Model  
No:L1705 (6 @ \$2.98 /Each =  
\$17.88)
- Male "N" connector for  
antenna side of 6 foot 1/2" jumper -  
Model No:DDN1088 (1 @ \$24.23  
/Each = \$24.23)
- Female DIN connector for  
lineside of 6 foot 1/2" jumper -  
Model No:DDN1091 (1 @ \$24.23  
/Each = \$24.23)
- RF surge suppressor. One  
for each site, "DIN" type female  
connectors - Model No:  
DSTUSXDFF (1 @ \$127.50 /Each =  
\$127.50)
- 24" Standoff Side Arm  
Bracket for antenna - Model  
No:DSS200 (1 @ \$171.70 /Each =

\$171.70)

- TX-RX BDA 10 MHz Filter Kit (Receive side = 806.0125 MHz=low, 815.9625 High, 810.9875 Center) (Transmit side= 851.0125, High=860.9625 MHz. Center=855.9875 MHz) - Model No:DQ8989A9639010 (103 @ \$3,088.05 /Each = \$318,069.15)
- "N" Male connectors for 1/2" Superflex at repeater - Model No:DDN9682 (1 @ \$27.20 /Each = \$27.20)
- 1/2" Superflex cable from repeater to surge suppressor - Model No:L1702 (25 @ \$4.29 /Each = \$107.25)
- BNC Connector 1/4" Superflex (RX side of B2B base Station) - Model No:DSF1TBMC (1 @ \$22.95 /Each = \$22.95)
- "N" Male connectors for 1/4" Superflex (1 each 15 foot cable) - Model No:DDN9769 (1 @ \$23.16 /Each = \$23.16)
- 1/4" Superflex cable - (Receive side of Base Station)(1 each 15' cable) - Model No:L1700 (15 @ \$1.91 /Each = \$28.65)
- DIN Connector 1/2" Superflex for Combiner to suppressor cable - Model No:DSF4PDMV2C (1 @ \$27.20 /Each = \$27.20)
- 7/8" Helix antenna cable (Transmit side) (200" length) - Model No:L3617 (200 @ \$7.14 /Each = \$1,428.00)
- Male DIN connector for both ends of 200' cable - Model No:DDN1078 (2 @ \$33.79 /Each = \$67.58)
- Omni Directional Antenna, 806-869 MHZ OMNI FIBERGLASS ANT, 2.5 DBD, "N"

- Female Connector - Model  
No:DSSC433HF1SNF (1 @  
\$963.90 /Each = \$963.90)
- 1/2" Heliac for 1 each 6  
foot antenna feed jumpers - Model  
No:L1705 (6 @ \$2.98 /Each =  
\$17.88)
  - Male "N" connector for  
antenna side of 6 foot 1/2" jumper -  
Model No:DDN1088 (1 @ \$24.23  
/Each = \$24.23)
  - Female DIN connector for  
lineside of 6 foot 1/2" jumper -  
Model No:DDN1091 (1 @ \$24.23  
/Each = \$24.23)
  - RF surge suppressor. One  
for each site, "DIN" type female  
connectors - Model No:  
DSTUSXDFF (1 @ \$127.50 /Each =  
\$127.50)
  - 24" Standoff Side Arm  
Bracket for antenna - Model  
No:DSS200 (1 @ \$171.70 /Each =  
\$171.70)
  - "N" Male connectors for  
1/2" Superflex at repeater - Model  
No:DDN9682 (1 @ \$27.20 /Each =  
\$27.20)
  - 1/2" Superflex cable from  
repeater to surge suppressor - Model  
No:L1702 (25 @ \$4.29 /Each =  
\$107.25)
  - BNC Connector 1/4"  
Superflex (RX side of B2B base  
Station) - Model No:DSF1TBMC (1  
@ \$22.95 /Each = \$22.95)
  - "N" Male connectors for  
1/4" Superflex (1 each 15 foot cable)  
- Model No:DDN9769 (1 @ \$23.16  
/Each = \$23.16)
  - 1/4" Superflex cable -  
(Receive side of Base Station)(1  
each 15' cable) - Model No:L1700  
(15 @ \$1.91 /Each = \$28.65)

- DIN Connector 1/2" Superflex for Combiner to suppressor cable - Model No:DSF4PDMV2C (1 @ \$27.20 /Each = \$27.20)
- 7/8" Heliac antenna cable (Transmit side) (200" length) - Model No:L3617 (200 @ \$7.14 /Each = \$1,428.00)
- Male DIN connector for both ends of 200' cable - Model No:DDN1078 (2 @ \$33.79 /Each = \$67.58)
- Omni Directional Antenna, 806-869 MHZ OMNI FIBERGLASS ANT, 2.5 DBD, "N" Female Connector - Model No:DSSC433HF1SNF (1 @ \$963.90 /Each = \$963.90)
- 1/2" Heliac for 1 each 6 foot antenna feed jumpers - Model No:L1705 (6 @ \$2.98 /Each = \$17.88)
- Male "N" connector for antenna side of 6 foot 1/2" jumper - Model No:DDN1088 (1 @ \$24.23 /Each = \$24.23)
- Female DIN connector for lineside of 6 foot 1/2" jumper - Model No:DDN1091 (1 @ \$24.23 /Each = \$24.23)
- RF surge suppressor. One for each site, "DIN" type female connectors - Model No: DSTUSXDFF (1 @ \$127.50 /Each = \$127.50)
- 24" Standoff Side Arm Bracket for antenna - Model No:DSS200 (1 @ \$171.70 /Each = \$171.70)
- "N" Male connectors for 1/2" Superflex at repeater - Model No:DDN9682 (7 @ \$27.20 /Each = \$190.40)
- 1/2" Superflex cable -



Model No:L1702 (50 @ \$4.29 /Each = \$214.50)

- BNC Connector 1/4" Superflex (RX side of B2B base Station) - Model No:DSF1TBMC (3 @ \$22.95 /Each = \$68.85)
- "N" Male connectors for 1/4" Superflex (1 each 15 foot cable) - Model No:DDN9769 (3 @ \$23.16 /Each = \$69.48)
- 1/4" Superflex cable - (Receive side of Base Station)(1 each 15' cable) - Model No:L1700 (70 @ \$1.91 /Each = \$133.70)
- DIN Connector 1/2" Superflex for Combiner to suppressor cable - Model No:DSF4PDMV2C (2 @ \$27.20 /Each = \$54.40)
- 7/8" Heliac antenna cable (Transmit side) (200" length) - Model No:L3617 (200 @ \$7.14 /Each = \$1,428.00)
- Male DIN connector for both ends of 200' cable - Model No:DDN1078 (2 @ \$33.79 /Each = \$67.58)
- Omni Directional Antenna, 806-869 MHZ OMNI FIBERGLASS ANT, 2.5 DBD, "N"Female Connector - Model No:DSSC433HF1SNF (1 @ \$963.90 /Each = \$963.90)
- 1/2" Heliac for 1 each 6 foot antenna feed jumpers - Model No:L1705 (6 @ \$2.98 /Each = \$17.88)
- Male "N" connector for antenna side of 6 foot 1/2" jumper - Model No:DDN1088 (1 @ \$24.23 /Each = \$24.23)
- Female DIN connector for lineside of 6 foot 1/2" jumper - Model No:DDN1091 (1 @ \$24.23

<p>/Each = \$24.23)</p> <ul style="list-style-type: none"> <li>• RF surge suppressor. One for each site, "DIN" type female connectors - Model No: DSTUSXDFF (1 @ \$127.50 /Each = \$127.50)</li> <li>• 24" Standoff Side Arm Bracket for antenna - Model No:DSS200 (1 @ \$171.70 /Each = \$171.70)</li> <li>• TX-RX Receiver Multicoupler 8 Port Expansion Kit- Santiago Peak Site - Model No:DS42050508EXP (1 @ \$1,676.20 /Each = \$1,676.20)</li> <li>• Rental laptops for subscriber programming (20 @ \$300.00 /Each = \$6,000.00)</li> <li>• Misc. hardware for B2B installs (1 @ \$2,575.00 /Each = \$2,575.00)</li> <li>• Misc. hardware for Dana Point combiner cabling (1 @ \$379.00 /Each = \$379.00)</li> </ul>		
<p><b>XXII. Planning FRA / Preparation / Negotiation</b>                  ----- Other -----                  END-USER TRANSITION TRAINING</p> <ul style="list-style-type: none"> <li>• Upgrade funds to Orange County (1 @ \$2,779,042.06 /unit = \$2,779,042.06)</li> </ul>	(Incumbent) ORANGE, COUNTY OF, CA PH II	\$2,779,042.06
<p>----- Other -----</p> <ul style="list-style-type: none"> <li>• Upgrade funds for Orange County used to pay vendor for channel monitoring not agreed to by Sprint. (1 @ \$288,000.00 /unit = \$288,000.00)</li> </ul>	(Vendor) SRGPE	\$288,000.00
<p><b>Amendment - 9 (Previous)</b></p>		
<p><b>Description of Work To Be Performed</b></p>	<p><b>Payee(separately identify Incumbent and each Vendor being paid for work performed)</b></p>	<p><b>Estimated Cost(s) for Incumbent and Each Vendor (Not to Exceed listed amount)</b></p>
<p><b>XXIII. Subscriber Reconfiguration Services - First</b></p>	(Incumbent)	\$21,824.00

<p><b>Touch</b> ----- Subscriber -----</p> <ul style="list-style-type: none"> <li>• <b>This task will not be performed until both (1) Orange County has received the Schedule B frequency change amendment from Sprint for signature and (2) Orange County has received e-mail confirmation from Sprint that the frequency change has been agreed to by the licensees whose Schedule B's will be modified for this frequency change.</b> Modify and review completed templates related to frequency change. (0.5 units @ 496.00 hrs each @ \$88.00 /hr = \$21,824.00)</li> </ul>	<p>ORANGE, COUNTY OF, CA PH II</p>	
<p>----- Subscriber -----</p> <ul style="list-style-type: none"> <li>• Labor to install encryption board and flash upgrade 4 XTS2500 radios (4 @ \$190.00 /unit = \$760.00)</li> </ul>	<p>(Vendor) Motorola</p>	<p>\$760.00</p>
<p><b>XXIV. Infrastructure Reconfiguration - Services</b> ----- Infrastructure -----</p> <ul style="list-style-type: none"> <li>• <b>This task will not be performed until both (1) Orange County has received the Schedule B frequency change amendment from Sprint for signature and (2) Orange County has received e-mail confirmation from Sprint that the frequency change has been agreed to by the licensees whose Schedule B's will be modified for this frequency change.</b> Update Combiner study at 10 sites due to frequency swap. (40hrs @ \$190.00 /hr = \$7,600.00)</li> <li>• <b>This task will not be performed until both (1) Orange County has received the Schedule B frequency change amendment from Sprint for signature and (2) Orange County has received e-mail confirmation from Sprint that the frequency change has been agreed to by the licensees whose Schedule B's will be modified for this frequency change.</b> Process change and update SOW/documents related to frequency change. (40hrs @ \$190.00</li> </ul>	<p>(Vendor) Motorola</p>	<p>\$15,200.00</p>

/hr = \$7,600.00)		
<p><b>XXV. Contract, Legal and Regulatory Filings (includes all third party tasks, including project management, travel)</b> ----- Legal -----</p> <ul style="list-style-type: none"> <li>• This task will not be performed until both (1) Orange County has received the Schedule B frequency change amendment from Sprint for signature and (2) Orange County has received e-mail confirmation from Sprint that the frequency change has been agreed to by the licensees whose Schedule B's will be modified for this frequency change. Review FPRs For frequency change: includes offsets 12 min for each instance. Estimate 5 co-ch locations 3 instances per location against 24 Orange County locations. Total estimate 360 instances. (72hrs @ \$180.00 /hr = \$12,960.00)</li> <li>• Change order processing (4hrs @ \$475.00 /hr = \$1,900.00)</li> <li>• Time to discuss frequency change with OC and Mot (5hrs @ \$475.00 /hr = \$2,375.00)</li> </ul>	(Vendor) SRGPE	\$17,235.00
<p><b>XXVI. Infrastructure Reconfiguration - Equipment / Software</b> ----- Sch C Equipment -----</p> <ul style="list-style-type: none"> <li>• M4X Blade back plane - Model No:Z476-101 (6 @ \$398.82 /Each = \$2,392.92)</li> <li>• M4X Blade Interface board - Model No:X47698E (6 @ \$265.00 /Each = \$1,590.00)</li> <li>• Synergy Action Rules Manager - Model No:W800 (6 @ \$1,575.00 /Each = \$9,450.00)</li> </ul>	(Vendor) Motorola	\$13,432.92
<p><b>XXVII. Other Costs:</b></p> <ul style="list-style-type: none"> <li>• Ravens Electronics Software Development: Orange County, CA has a very unique Mutual Aid operation. It uses</li> </ul>	(Vendor) Motorola	\$49,461.00

<p>multiple Private Line (PL) operation that is used for local and wide user operation. The repeat function, PL enable and Disable, and system reset are performed via DTMF signaling. The only way to perform this control application is to use the Raven M4x with the unique software application. There has been no other system across the country that has used this form of multiple PL control so the new software is needed to perform this application. (1 @ \$36,061.00 /unit = \$36,061.00)</p> <ul style="list-style-type: none"> <li>• ST - ST time to research additional requirements, develop and review technical requirements, travel to Raven Electronics and incumbent location to test alternative BTB repeater solution (60hrs @ \$190.00 /hr = \$11,400.00)</li> <li>• Travel expenses (1 @ \$2,000.00 /unit = \$2,000.00)</li> </ul>		
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**Amendment - 10 (New)**

<b>Description of Work To Be Performed</b>	<b>Payee(separately identify Incumbent and each Vendor being paid for work performed)</b>	<b>Estimated Cost(s) for Incumbent and Each Vendor (Not to Exceed listed amount)</b>
<p><b>XXIX. Subscriber Reconfiguration Services - First Touch</b>                      ----- Subscriber -----</p> <ul style="list-style-type: none"> <li>• Subscriber labor funds recouped from previously authorized Motorola funds re-scoped to Orange County Partial Upgrade (To be paid in accordance with the completion of milestones set forth in this Schedule C). (1 @ \$5,244,989.70 /unit = \$5,244,989.70)</li> <li>• Funds applied to Orange County Partial Upgrade: (To be paid in accordance with the completion of milestones set forth in this Schedule C) (1 @ \$1,092,000.00)</li> </ul>	<p>(Incumbent)                      ORANGE, COUNTY OF,                      CA PH II</p>	<p>\$6,336,989.70</p>

<p>/unit = \$1,092,000.00)</p> <ul style="list-style-type: none"> <li>• This task will not be performed until both (1) Orange County has received the Schedule B frequency change amendment from Sprint for signature and (2) Orange County has received e-mail confirmation from Sprint that the frequency change has been agreed to by the licensees whose Schedule B's will be modified for this frequency change Modify and review completed templates related to frequency change. (0.5 units @ - 496.00 hrs each @ \$88.00 /hr = (\$21,824.00))</li> <li>• Update 496 templates (0.5 units @ 496.00 hrs each @ \$88.00 /hr = \$21,824.00)</li> </ul>		
<p>----- Subscriber -----</p> <ul style="list-style-type: none"> <li>• De-install &amp; Install for standard sedan or light/medium truck with no obstructions or special installation requirements. Includes subtasks above (-3 units @ 3.30 hrs each @ \$213.00 /hr = (\$2,108.70))</li> <li>• • Functional Pre-test of existing radio - Talk group call on system • Retune existing radio (no obstruction to retuning of radio) • Functional post test of existing radio - Talk group call on system (-2 units @ 0.90 hrs each @ \$213.00 /hr = (\$383.40))</li> <li>• Removal and re-install of existing mobile radio if radio cannot be programmed in the vehicle due to obstruction to programming port. (-2 units @ 1.00 hrs each @ \$213.00 /hr = (\$426.00))</li> <li>• • Functional Pre-test of existing radio - Talk group call on system • Flash existing radio with Rebanding software - Load Programming Template into existing</li> </ul>	<p>(Vendor) Motorola</p>	<p>(\$5,244,989.70)</p>

radio (no obstructions to programming port of radio and radio is to be flashed and programmed in the vehicle) • Functional post test of existing radio - Talk group call on system (-3757 units @ 0.90 hrs each @ \$213.00 /hr = (\$720,216.90))

- Removal and re-install of existing mobile radio if radio cannot be programmed in the vehicle due to obstruction to programming port. (-500 units @ 1.00 hrs each @ \$213.00 /hr = (\$106,500.00))

- Functional post test of existing radio - Talk group call on system • Retune existing radio (no obstruction to retuning of radio) • Functional post test of existing radio - Talk group call on system (-102 units @ 0.70 hrs each @ \$213.00 /hr = (\$15,208.20))

- Functional Pre-Test of existing radio - Talk group call on system • Flash existing radio with Rebanding software • Load programming template into existing radio • Functional post test of existing radio - Talk group call on system (-5131 units @ 0.70 hrs each @ \$213.00 /hr = (\$765,032.10))

- 80-20 overtime split-mobiles (-1428 @ \$107.00 /unit = (\$152,796.00))

- 80-20 overtime split-mobiles (-733 @ \$107.00 /unit = (\$78,431.00))

- Functional Pre-test of existing radio - Talk group call on system • Flash existing radio with Rebanding software - Load Programming Template into existing radio (no obstructions to programming port of radio and radio is to be flashed and programmed in the vehicle) • Functional post test of existing radio - Talk group call on system (-3757 units @ 0.90 hrs each

@ \$201.00 /hr = (\$679,641.30))

- Removal and re-install of existing mobile radio if radio cannot be programmed in the vehicle due to obstruction to programming port. (-500 units @ 1.00 hrs each @ \$201.00 /hr = (\$100,500.00))
- • Functional post test of existing radio - Talk group call on system • Retune existing radio (no obstruction to retuning of radio) • Functional post test of existing radio - Talk group call on system (-102 units @ 0.70 hrs each @ \$201.00 /hr = (\$14,351.40))
- • Functional Pre-Test of existing radio - Talk group call on system • Flash existing radio with Rebanding software • Load programming template into existing radio • Functional post test of existing radio - Talk group call on system (-5131 units @ 0.70 hrs each @ \$201.00 /hr = (\$721,931.70))
- 80-20 overtime split-mobiles (-1428 @ \$101.00 /unit = (\$144,228.00))
- 80-20 overtime split-mobiles (-733 @ \$101.00 /unit = (\$74,033.00))
- • Functional Pre-test of existing radio - Talk group call on system • Flash existing radio with Rebanding software - Load Programming Template into existing radio (no obstructions to programming port of radio and radio is to be flahed and programmed in the vehicle) • Functional post test of existing radio - Talk group call on system (-3758 units @ 0.90 hrs each @ \$166.00 /hr = (\$561,445.20))
- Removal and re-install of existing mobile radio if radio cannot be programmed in the vehicle due to obstruction to programming port. (-



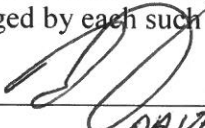
<p>500 units @ 1.00 hrs each @ \$166.00 /hr = (\$83,000.00))</p> <ul style="list-style-type: none"> <li>• Functional post test of existing radio - Talk group call on system • Retune existing radio (no obstruction to retuning of radio) • Functional post test of existing radio - Talk group call on system (-102 units @ 0.70 hrs each @ \$166.00 /hr = (\$11,852.40))</li> <li>• Functional Pre-Test of existing radio - Talk group call on system • Flash existing radio with Rebanding software • Load programming template into existing radio • Functional post test of existing radio - Talk group call on system (-5132 units @ 0.70 hrs each @ \$166.00 /hr = (\$596,338.40))</li> <li>• 80-20 overtime split-mobiles (-1428 @ \$83.00 /unit = (\$118,524.00))</li> <li>• 80-20 overtime split-mobiles (-734 @ \$83.00 /unit = (\$60,922.00))</li> <li>• Project Manager on Site Supervision &amp; Coordination (-1184hrs @ \$190.00 /hr = (\$224,960.00))</li> <li>• SE Templates, Procedures for Subscribers Support (-16hrs @ \$190.00 /hr = (\$3,040.00))</li> <li>• ST Templates &amp; procedures supervision and approvals (-48hrs @ \$190.00 /hr = (\$9,120.00))</li> </ul>		
<p><b>XXX. Contract, Legal and Regulatory Filings (includes all third party tasks, including project management, travel)</b> ----- Legal -----</p> <ul style="list-style-type: none"> <li>• Legal fees associated with mediation and FCC meeting (123.7hrs @ \$475.00 /hr =</li> </ul>	<p>(Vendor) SRGPE</p>	<p>\$61,112.87</p>

<p>\$58,757.50)</p> <ul style="list-style-type: none"> <li>• Legal fees associated with mediation and FCC meeting (0.7hrs @ \$210.00 /hr = \$147.00)</li> <li>• Travel and expenses associated with legal fees (1 @ \$2,208.37 /unit = \$2,208.37)</li> </ul>		
<p><b>XXXI. Planning FRA / Preparation / Negotiation</b> ----- Other -----</p> <ul style="list-style-type: none"> <li>• OC travel expenses - Dave (1 @ \$172.50 /unit = \$172.50)</li> <li>• OC travel expenses - Steve (1 @ \$812.40 /unit = \$812.40)</li> <li>• OC travel expenses - Matt (1 @ \$1,518.00 /unit = \$1,518.00)</li> <li>• Steve (121.5hrs @ \$76.08 /hr = \$9,243.72)</li> <li>• Dave (47hrs @ \$76.08 /hr = \$3,575.76)</li> <li>• Matt (83.5hrs @ \$172.32 /hr = \$14,388.72)</li> </ul>	<p>(Incumbent) ORANGE, COUNTY OF, CA PH II</p>	<p>\$29,711.10</p>
<p>----- Other -----</p> <ul style="list-style-type: none"> <li>• Mediation costs (35hrs @ \$155.00 /hr = \$5,425.00)</li> </ul>	<p>(Vendor) Blue Wing</p>	<p>\$5,425.00</p>
<p><b>Amended Cost Totals:</b></p>		
<p>ORANGE, COUNTY OF, CA PH II</p>	<p>Incumbent</p>	<p>\$9,779,889.16</p>
<p>Blue Wing</p>	<p>Vendor</p>	<p>\$5,425.00</p>
<p>Motorola</p>	<p>Vendor</p>	<p>\$2,996,417.87</p>
<p>SRGPE</p>	<p>Vendor</p>	<p>\$511,822.87</p>

Total Estimated Costs		\$13,293,554.90
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**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: DAVE FONTNEAU  
 Title: DIRECTOR  
 Phone Number: (714) 704-7919  
 E-mail: D.FONTNEAU@OCSD.ORG  
 Date: 7-19-17

**SCHEDULE D - 8****ORANGE, COUNTY OF, CA PH II****Replaces Previous Schedule D****1) Loaned Reconfiguration Equipment (provided by Nextel)**

<b>Quantity</b>	<b>Manufacturer</b>	<b>Description</b>	<b>Model Number</b>	<b>New/Used</b>
		<b>Amendment-8</b>		
		ORANGE COUNTY REQUESTED SPARE SUBSCRIBERS		
25		Astro Saber	H04UCH9PW7AN	
100		Astro Spectra	D04UJH9PW7AN	
5		MTS2000	H01UCH6PW1BN (with flash 000008-000000-2)	
5		XTL2500	Do not have requested flash code, can provide with alternative flash.	
10		XTL5000	Do not have requested flash code, can provide with alternative flash.	
15		XTS2500	One with Correct Flash others will have alternative flash	
150		XTS3000	H09UCH9PW7AN	
75		XTS5000	H18UCF9PW6AN with alternative flash	
		<b>FNE Equipment for the Sierra Peak Site</b>		
1		Quantar 800 Mhz Base Station - Sprint to Supply TX 866.5125 MHz RX 821.5125 MHz	T5365	
1		ADD: 800 MHZ BAND RX 806-825 MHZ/TX 851-870 MHZ, 100-20 WATTS	X750	
1		ENH: CONVENTIONAL ANALOG OPERATION	X597 A	
1		ADD: BASE STATION OPERATION	X622	
1		ADD: POWER CORD, 12 FT AC, QTAR	U752	
1		ALT: MODULAR RACK 52"	X743	
1		ADD: TRAY, PERIPHERAL FOR QUANTAR	X696	
1		4 Channel Celwave Combiner - Provided by Sprint-Nextel (866.5125 MHz 851.5125 MHz 867.5125 MHz 852.5125 MHz)	WIJD862-04S	
1		Raven Blade w/2 modules for 1 B2B configuration-One for each site	DS4780000202	

1		Compact hybrid ferrite 2 channel Tx combiner, 806-960 MHz	TC4212 or TC4232CM	
		<b>FNE Equipment for the Signal Peak Site</b>		
1		Quantar 800 Mhz Base Station - Sprint to Supply TX 867.0125 MHz RX 822.0125 MHz	T5365	
1		ADD: 800 MHZ BAND RX 806-825 MHZ/TX 851-870 MHZ, 100-20 WATTS	X750	
1		ENH: CONVENTIONAL ANALOG OPERATION	X597 A	
1		ADD: BASE STATION OPERATION	X622	
1		ADD: POWER CORD, 12 FT AC, QTAR	U752	
1		ALT: MODULAR RACK 52"	X743	
1		ADD: TRAY, PERIPHERAL FOR QUANTAR	X696	
1		4 Channel Celwave Combiner - Provided by Sprint-Nextel (867.0125 MHz 852.0125 MHz 866.5125 MHz 851.5125 MHz)	WIJD862-04S	
1		Raven Blade w/2 modules for 1 B2B configuration-One for each site	DS4780000202	
1		Compact hybrid ferrite 2 channel Tx combiner, 806-960 MHz	TC4212 or TC4232CM	
		<b>FNE Equipment for the Loma Ridge Site</b>		
1		Quantar 800 Mhz Base Station - Sprint to Supply TX 867.5125 MHz RX 822.5125 MHz	T5365	
1		ADD: 800 MHZ BAND RX 806-825 MHZ/TX 851-870 MHZ, 100-20 WATTS	X750	
1		ENH: CONVENTIONAL ANALOG OPERATION	X597 A	
1		ADD: BASE STATION OPERATION	X622	
1		ADD: POWER CORD, 12 FT AC, QTAR	U752	
1		ALT: MODULAR RACK 52"	X743	
1		ADD: TRAY, PERIPHERAL FOR QUANTAR	X696	
1		4 Channel Celwave Combiner - Provided by Sprint-Nextel (867.5125 MHz 852.5125 MHz 866.5125 MHz 851.5125 MHz)	WIJD862-04S	
1		Raven Blade w/2 modules for 1 B2B configuration-One for each site	DS4780000202	
1		Compact hybrid ferrite 2 channel Tx combiner, 806-960 MHz	TC4212 or TC4232CM	
		<b>FNE Equipment for the Santiago Peak Site</b>		
3		Quantar 800 Mhz Base Station	T5365	

		(Quantar 1 TX 867.0125 MHz RX 822.0125 MHz Quantar 2 TX 868.0125 MHz RX 823.0125 MHz Quantar 3 TX 868.9875 MHz RX 823.9875 MHz)		
3		ADD: 800 MHZ BAND RX 806-825 MHZ/TX 851-870 MHZ, 100-20 WATTS	X750	
3		ENH: CONVENTIONAL ANALOG OPERATION	X597 A	
3		ADD: BASE STATION OPERATION	X622	
3		ADD: POWER CORD, 12 FT AC, QTAR	U752	
1		ALT: MODULAR RACK 52"	X743	
3		ADD: TRAY, PERIPHERAL FOR QUANTAR	X696	
1		Raven Blade w/2 modules for 1 B2B configuration-One for each site-Santiago Peak Site	DS4780000202	
1		4 Channel Celwave Combiner - Provided by Sprint-Nextel (867.0125 MHz 868.0125 MHz 868.9875 MHz 852.0125 MHz)	WIJD862-04S	
1		Raven Blade w/3 modules for 2 B2B configurations-Santiago Peak Site-Santiago Peak Site	DS4780000203	
1		Compact hybrid ferrite 2 channel Tx combiner, 806-960 MHz	TC4212 or TC4232CM	
80		Directional Couplers - DIN Connectors	CMC441382DIN	
		<b>Amendment-9</b>		
-4		Compact hybrid ferrite 2 channel Tx combiner, 806-960 MHz	TC4212 or TC4232CM	
-1		4 Channel Celwave Combiner - Provided by Sprint-Nextel (867.0125 MHz 868.0125 MHz 868.9875 MHz 852.0125 MHz)	WIJD862-04S	
-1		4 Channel Celwave Combiner - Provided by Sprint-Nextel (867.5125 MHz 852.5125 MHz 866.5125 MHz 851.5125 MHz)	WIJD862-04S	
-1		4 Channel Celwave Combiner - Provided by Sprint-Nextel (867.0125 MHz 852.0125 MHz 866.5125 MHz 851.5125 MHz)	WIJD862-04S	
-1		4 Channel Celwave Combiner - Provided by Sprint-Nextel (866.5125 MHz 851.5125 MHz 867.5125 MHz 852.5125 MHz)	WIJD862-04S	
1		2 Channel Celwave Combiner - Provided by Sprint-Nextel (866.5125 MHz 851.5125 MHz)	WIJD862-02S	
1		2 Channel Celwave Combiner - Provided by Sprint-Nextel (866.5125 MHz 851.5125 MHz)	WIJD862-02S	

1		2 Channel Celwave Combiner - Provided by Sprint-Nextel (866.5125 MHz 851.0125 MHz	WIJD862-02S	
1		4 Channel Celwave Combiner - Provided by Sprint-Nextel. Freqs: 852.0125, 853.0125, 853.9875, default	WIJD862-04S	
-4		Raven Blade w/2 modules for 1 B2B configuration-One for each site-Santiago Peak Site	DS4780000202	
-1		Raven Blade w/3 modules for 2 B2B configurations-Santiago Peak Site-Santiago Peak Site	DS4780000203	
6		Raven Blade w/3 modules for 2 B2B configuration	DS4780000203	
<b>Amendment-10 (New)</b>				
<b>Remove ORANGE COUNTY REQUESTED SPARE SUBSCRIBERS</b>				
-25		Astro Saber	H04UCH9PW7AN	
-100		Astro Spectra	D04UJH9PW7AN	
-5		MTS2000	H01UCH6PW1BN (with flash 000008-000000-2)	
-5		XTL2500	Do not have requested flash code, can provide with alternative flash.	
-10		XTL5000	Do not have requested flash code, can provide with alternative flash.	
-15		XTS2500	One with Correct Flash others will have alternative flash	
-150		XTS3000	H09UCH9PW7AN	
-75		XTS5000	H18UCF9PW6AN with alternative flash	

## 2) Replacement Equipment (provided by Nextel)

Quantity	Manufacturer	Description	Model Number	New/Used
<b>Amendment-9</b>				
9		XTS2500RB Portable	XTS2500 RB	

## 3) Replaced Equipment (to be delivered to Nextel prior to Closing)

Quantity	Manufacturer	Description	Model Number
<b>Amendment - 2</b>			
1		SIMS II CAD Interface Server	EK848
1		SIMS II CAD interface terminal	MC5
<b>Amendment-8</b>			
1		RF surge suppressor. One for each site, "DIN" type female connectors	DSTUSXDF
103		TXRX BDA Filters	
1		RF surge suppressor. One for each site, "DIN" type female connectors	DSTUSXDF

1		RF surge suppressor. One for each site, "DIN" type female connectors	DSTUSXDFF
1		RF surge suppressor. One for each site, "DIN" type female connectors	DSTUSXDFF
1		TX-RX Receiver Multicoupler 8 Port Expansion Kit-Santiago Peak Site	DS42050508EXP
26		800 MHz Trunked Scanner (non-rebandable, must be comparable with purchased replacement scanner, Licensee must provide documentation showing make and model of purchased replacement scanner and the scanner they replaced)	TBD
<b>Amendment-9</b>			
5		STX 821 Portables/w battery/antenna (must be NPSPAC capable)	STX 821
4		STX 821 Portables/w EASXL encryption/battery/antenna (must be NPSPAC capable)	STX821
6		M4X Blade back plane (must send original board and newly purchased back)	Z476-101
6		M4X Blade Interface board (must send original board and newly purchased back)	X47698E
1		Synergy Action Rules Manager Software (Disc)	

#### 4) Motorola Schedule D Equipment (to be provided by Motorola) - Motorola radios and flash-kits and accessories only

a) Motorola Subscriber Services will be provided for the following Motorola Schedule D Equipment

Quantity	Description	Radio Software	Encryption	Model Number
40	XTL2500 RB Dash Mount			XTL2500 RB
4	XTL2500RB Remote Mount			XTL2500 RB
451	XTS2500RB Portable			XTS2500 RB
2	XTS2500RB			XTS2500 RB
9	XTL5000 Console			L20URS9PW1AN
9	Tone Remote Boards			L146
9	Desk Mic			W382
52	XTL5000 Remote Mount			M20URS9PW1AN
52	Palm Microphone			W22
61	W9 Control Head			G80
61	W9 Control Head Software			G99
52	Remote Mount			G67
61	Loud Speaker 7.5 Watt			B18
61	Analog Operation			G241
61	SmartZone Operation			G51
61	Enhanced ID Display			G114
3	XTS5000 W/XTVA			H18UCC9PW7N
3	Enhanced Software Analog Oper			Q341
3	Single Unit Rapid Charger			NTN1873
3	Spare Battery			NTN9815
3	Remote Monitor			H43



3	Open face vehicular adapter w/mini UHF connector & swivel trunion mount.			N2001
3	RF Antenna Switch			NTN8327
3	Next Generation Mobile Mic			Q760
3	6 Watt Speaker			Q147
3	Wrench Tool			NTN8270
3	PF PA XTS 806-870 mhz unit			NLF12589
21	MC3000			MC3000
	<b>Amendment - 1</b>			
7	Speaker Mic's			NMN6193
1	L20URS9PW1AN - XTL5000 consolette			XTL5000
1	W7 Control Head			G80
1	Analog Operation			G241
1	SmartZone Operation			G51
1	Eng ID Display			G114
1	Tone Remote Interface Board			L146
	<b>Amendment - 2</b>			
1	Site Lens Replacement HOST			DSRB1GW3S
	<b>Amendment - 3</b>			
	Subscriber Equipment not shipped, order cancelled			
-16	XTL2500 RB Dash Mount			XTL2500 RB
-4	XTL2500RB Remote Mount			XTL2500 RB
-15	XTS2500RB Portable			XTS2500 RB
-16	XTL5000 Remote Mount			M20URS9PW1AN
-16	Palm Microphone			W22
-16	W9 Control Head			G80
-16	W9 Control Head Software			G99
-16	Remote Mount			G67
-16	Loud Speaker 7.5 Watt			B18
-16	Analog Operation			G241
-16	SmartZone Operation			G51
-16	Enhanced ID Display			G114
-3	XTS5000 W/XTVA			H18UCC9PW7N
-3	Enhanced Software Analog Oper			Q341
-3	Single Unit Rapid Charger			NTN1873
-3	Spare Battery			NTN9815
-3	Remote Monitor			H43
-3	Open face vehicular adapter w/mini UHF connector & swivel trunion mount.			N2001
-3	RF Antenna Switch			NTN8327
-3	Next Generation Mobile Mic			Q760
-3	6 Watt Speaker			Q147
-3	Wrench Tool			NTN8270
-3	PF PA XTS 806-870 mhz unit			NLF12589
-1	L20URS9PW1AN - XTL5000 consolette			XTL5000
-1	W7 Control Head			G80
-1	Analog Operation			G241
-1	SmartZone Operation			G51
-1	Eng ID Display			G114
-1	Tone Remote Interface Board			L146
-9	Desk Mic			W382
-21	MC3000			MC3000
	<b>Amendment-7</b>			

212	MC3000 Deskset			L3223AC
127	Junction Box			L3208C
127	Junction box Cable			ZA00225AA
8	Modem			ZA00277AA
	<b>Amendment-8</b>			
3	XTL2500 RB Mobile Radio Kit			5300R
	<b>Amendment-9</b>			
4	SECURE BRD M3 DES,DES-XL,DES-OFB for the XTS2500RB units (Includes both UCM Hardware Module & Software Encryption Algorithm. Requires Host/DSP, R07.00.00, version or later.)			PMLN4931A

b) Motorola Subscriber Services will not be provided for the following Motorola Schedule D Equipment

Quantity	Description	Radio Software	Encryption	Model Number
18920	FlashKit(Flashes)			FlashKit
	<b>Amendment-8</b>			
26666	FlashKit(Flashes)			FlashKit
	<b>Amendment-10 (New)</b>			
-32586	FlashKit(Flashes)			FlashKit

**5) Motorola Replaced Equipment (to be delivered to Motorola within 30 days of receipt of Motorola Schedule D Equipment)**

Quantity	Description	Radio Software	Encryption	Mounting	Model Number
40	Spectra C7 control head Dash Mount Mobiles				Spectra
52	Spectra C9 control head remote mount mobiles				Spectra
4	Syntor Remote Mount Mobile				Syntor
451	STX 821 Portables/w battery/antenna (must be NPSPAC capable)				STX 821
3	STX 821 W/convertacom/w/battery/antenna (must be NPSPAC capable)				STX w/convertacom
2	Astro Saber 512 w/battery/antenna				Astro Saber 512
9	Spectra Consolette/w mic/control head/Tone Remote Board				Spectra Consolette
21	DGT9000				DGT9000
	<b>Amendment - 1</b>				
7	Speaker Mic's for STX 821's				
1	Spectra Consolette /mic/control head/remote		-		Spectra Consolette
	<b>Amendment - 2</b>				
1	Site Lens Server				VL800 MT
	<b>Amendment - 3</b>				
	<b>Subscriber Equipment not shipped, order cancelled</b>				
-16	Spectra C7 control head Dash Mount Mobiles				Spectra

-4	Syntor Remote Mount Mobile				Syntor
-15	STX 821 Portables/w battery/antenna (must be NPSPAC capable)				STX 821
-16	Spectra C9 control head remote mount mobiles				Spectra
-3	STX 821 W/convertacom/w/battery/antenna (must be NPSPAC capable)				STX w/convertacom
-1	Spectra Consolette /mic/control head/tone remote				Spectra Consolette
-21	DGT9000				DGT9000
	<b>Amendment-5</b>				
1	General Dynamics R2670A Service Monitor (manufactured prior to 1995) â€œ (Each with the following options: Smartnet/SmartZone with ASTRO Trunking, IEEE 488.2 Remote Interface, C-Message Filter with 600 ohm load, CCITT Filter with 600 ohm load, Phase Mod/Demod, Enhanced Digital Hardware Module, Securenet, ASTRO (VSELP Vocoder), Project 25 with DES-OFB encryption, Project 25 Trunking; DES, and DES-XL)				R2760A (ser no 496KTY0106)
2	Trunking Service Monitor â€œ (Each with the following options: Analog Trunking Option (Smartnet/SmartZone), Enhanced Digital Hardware Module, Securenet, DES, DES-XL, and DVP-XL)				R2014D (415KNS0065 & 496LAS0038)
2	Trunking Service Monitor (Each with analog trunking option)				R2021
	<b>Amendment-7</b>				
212	Digital Deskset (RCH3000)				Digital Deskset
127	Junction Box				Deskset Junction Box
8	Modem				Deskset Modem
	<b>Amendment-8</b>				
3	Syntor X 9000 (Each with Mic, Speaker and Control Head)				

**Exhibit C****Exhibit to Illustrate Compliance with Transition Administrator Upgrade Policy**

SHULMAN  
ROGERS

GANDAL  
PORDY  
ECKER

ALAN S. TILLES | ATTORNEY  
T 301.231.0930 E atilles@shulmanrogers.com

July 17, 2017

**VIA ELECTRONIC MAIL**

800 MHz Transition Administrator  
8000 Towers Crescent Drive  
Vienna, VA 22182

Re: Orange County, California  
Frequency Reconfiguration Agreement

To Whom It May Concern:

Consistent with the Transition Administrator’s “System Upgrade Policy,” the following is offered:

1. Attached hereto please find a paid invoice from Motorola Solutions, Inc., in excess of the amount being re-allocated in FRA Amendment #10 from services to cash-out. Please note that the County had previously provided the Transition Administrator with invoice information for the amounts “cashed-out” in FRA Amendment #8.
2. In this case, Amendment #10 represents a settlement between Orange County and Sprint, a process that was overseen by the Transition Administrator and reached during a meeting called by the Federal Communications Commission. During that meeting, it was agreed amongst the parties that the infusion of additional resources would allow Orange County to complete its subscriber first touch and infrastructure reconfiguration by the end of September 2018. In the absence of these additional resources, including personnel and overtime, the predicted completion of such rebanding work was estimated to be May of 2019. A copy of the rebanding schedule, in the absence of additional resources, is attached hereto.

While it is the normal TA policy that the licensee demonstrate that an upgrade proposal will not take more time than an “ordinary” reband, in this case it actually enables the County to complete its reband much faster than an “ordinary” reband, by allowing the licensee to dynamically reallocate personnel and resources, and replace memory limited radios with radios capable of dual conventional programming. This, in turn, allows the County to begin radio programming sooner, and allows infrastructure reprogramming in advance of the completion of radio programming.

Thus, it is Orange County’s position, acknowledged by Sprint, the TA Mediator and the FCC, that this upgrade is not only consistent with the TA’s upgrade policy, but represents the exact reason for its existence, enabling rebanding to be completed in more expeditious, less obtrusive manner.

3. Further, it is the TA’s Upgrade Policy that an upgrade not result in additional cost to Sprint. While this partial upgrade does include additional funding from Sprint, that funding is to permit a faster retune than an ordinary retune. In other words, Sprint is not paying additional money to allow a reband to proceed in the ordinary course, rather it permits the reband to be completed faster than otherwise could be accomplished. It is Orange County’s position that payment for additional resources, over and above that which was already agreed would be “ordinary”, is consistent with the TA’s Upgrade Policy.

Should you have questions, please contact the below-signed counsel.

Sincerely,

Alan S. Tilles, Esquire

 **MOTOROLA SOLUTIONS**  
**MOTOROLA SOLUTIONS, INC.**  
 500 W. MONROE STREET  
 CHICAGO, IL 60661 USA  
 Visit our website at [www.motorolasolutions.com](http://www.motorolasolutions.com)

**INVOICE**

PAGE 1 OF 1

TOTAL INVOICE AMOUNT: 6,374,134.93
MOTOROLA INVOICE NUMBER: 41236374
INVOICE DATE: 06/30/2017
PAYMENT DUE: PER CONTRACT
CUSTOMER ACCOUNT NUMBER: 1012978592 0001
PURCHASE ORDER DATE:
YOUR PURCHASE ORDER NUMBER: MA-060-17010289

**BILL TO** ORANGE COUNTY COMMUNICATIONS  
 ATTN: ACCOUNTS PAYABLE  
 840 N ECKHOFF ST #104  
 ORANGE, CA 92668

For questions concerning this Invoice please contact  
 Motorola at: 1-800-567-7347

Payment Terms: LARGE CONTRACT  
 Sales Order Number: 0605082360677

Motorola Solutions, Inc. Federal Tax Id: 36-1115800

**Invoice Detail**

Item	Model Number	Qty	Description	Unit Price	Amount
1		1	BILLING 80% OF THE CONTRACT PRICE DUE UPON SHIPMENT OF EQUIPMENT	6,104,850.00	6,104,850.00
2		1	TAX	269,284.93	269,284.93

IF YOU HAVE ANY QUESTIONS REGARDING THIS INVOICE  
 PLEASE CONTACT TARA MCCLURE @847-878-8129 OR BY  
 EMAIL: [TARA.MCCLURE@MOTOROLASOLUTIONS.COM](mailto:TARA.MCCLURE@MOTOROLASOLUTIONS.COM)  
 THANK YOU FOR CHOOSING MOTOROLA SOLUTIONS

INVOICE DUE PER TERMS OF THE CONTRACT - NET 30

SUBTOTAL \$6,374,134.93  
 PLEASE PAY THIS AMOUNT (PAYMENT DUE: PER CONTRACT) \$6,374,134.93

Detach here and return bottom portion with your payment.

INVOICE NUMBER	CUSTOMER ACCOUNT NUMBER	PAYMENT DUE
41236374	1012978592 0001	PER CONTRACT

**Payment Coupon**

Invoice Total	Amount Paid
\$6,374,134.93	

Please put your Invoice Number and your Customer Account Number on your check for prompt processing.

ORANGE COUNTY COMMUNICATIONS  
 ATTN: ACCOUNTS PAYABLE  
 840 N ECKHOFF ST #104  
 ORANGE, CA 92668



Send Payment To:  
**MOTOROLA**  
**MOTOROLA SOLUTIONS, INC.**  
 15106 COLLECTIONS CENTER DRIVE  
 CHICAGO, IL 60693

Motorola 800 MHz Rebanding Project Orange County, CA						Reconfiguration Proposal / Attachment F	
ID	Task Name	Duration	Start	Finish	Predecessors	Successors	
1	Orange County Reconfiguration Project	396 days	Mon 1/5/16	Wed 7/13/16			
2	Project kickoff activities	80 days	Mon 1/5/16	Fri 4/24/16			
3	Kickoff meetings	5 days	Mon 1/5/16	Fri 1/9/16		4,6	
4	Project planning/Detail schedule	10 days	Mon 1/12/16	Fri 1/23/16	3	5	
5	Detailed design	10 days	Mon 1/26/16	Fri 2/9/16	4	12	
6	Template review	75 days	Mon 1/12/15	Fri 4/24/15	3	8	
7	Template Development	747 days	Mon 4/27/15	Tue 3/9/16			
8	Templates for North, NW, and SW	274 days	Mon 4/27/15	Thu 5/12/16		9FS+126 days	
9	Amendment #9 Template Updates	31 days	Mon 11/7/15	Mon 12/19/16	8FS+126 days	10	
10	Templates for South, Laguna, and CW	316 days	Tue 12/22/15	Tue 3/9/16		21,19	
11	Order	39 days	Mon 2/9/16	Thu 4/2/16			
12	Bridge order	2 days	Mon 2/9/16	Tue 2/10/16		13	
13	Manufacture	30 days	Wed 2/11/16	Tue 3/24/16		14	
14	Deliver/inventory	7 days	Wed 3/25/16	Thu 4/2/16		15	
15	B2B installs	9 days	Fri 4/3/16	Wed 4/15/16	14		
16	Install B2B antennas at 4 sites	4 days	Fri 4/3/16	Wed 4/8/16		17	
17	Install 6 B2B repeaters	5 days	Thu 4/8/16	Wed 4/15/16	16		
18	Master site reconfiguration	3 days	Wed 3/7/16	Fri 3/7/16			
19	Reconfigure master site for rebanding changes	3 days	Wed 3/7/16	Fri 3/9/16	10	23	
20	Subscriber retuning/reprogramming	270 days	Wed 3/7/16	Tue 3/19/16			
21	Retune/reprogram subscribers	270 days	Wed 3/7/16	Tue 3/19/16			
22	Reband NW cell	26 days	Mon 3/12/16	Mon 4/19/16			
23	Method 3 pre-testing	5 days	Mon 3/12/16	Fri 3/19/16	19	24	
24	Reband 3 FNE sites	4 days	Mon 3/19/16	Thu 3/22/16	23	25	
25	Retune 1 conventional channel and 2 BDAs	2 days	Fri 3/23/16	Mon 3/29/16	24	26	
26	Method 3 post-testing	5 days	Tue 3/27/16	Mon 4/2/16	25	27	
27	Assessment period	10 days	Tue 4/3/16	Mon 4/19/16	26	29	
28	Reband SW cell	36 days	Tue 4/17/16	Tue 6/5/16			
29	Method 3 pre-testing	5 days	Tue 4/17/16	Mon 4/23/16	27	30	
30	Reband 5 FNE sites	4 days	Tue 4/24/16	Fri 4/27/16	29	31	
31	Method 3 post-testing	5 days	Mon 4/30/16	Fri 5/4/16	30	32	
32	Retune/Replace 13 BDAs	7 days	Mon 5/7/16	Tue 5/15/16	31	33	
33	Assessment period	15 days	Wed 5/19/16	Tue 6/5/16	32	35	
34	Reband North cell	66 days	Wed 6/8/16	Wed 9/5/16			
35	Method 3 pre-testing	5 days	Wed 6/8/16	Tue 6/12/16	33	36	
36	Reband 7 FNE sites	8 days	Wed 6/13/16	Fri 6/22/16	35	37	
37	Method 3 post-testing	5 days	Mon 6/25/16	Fri 6/29/16	36	38	
38	Reband 9 conventional repeaters	5 days	Mon 7/2/16	Fri 7/8/16	37	39	
39	Reband 3 IR sites	4 days	Mon 7/9/16	Thu 7/12/16	38	40	

Project: Orange County Date: Thu 10/27/16	Task		Rolled Up Progress		Inactive Task		Duration-only		External Tasks	
	Milestone		Split		Inactive Milestone		Manual Summary Rollup		External Milestone	
	Summary		External Task		Inactive Summary		Manual Summary		Progress	
	Rolled Up Task		Project Summary		Inactive Summary		Start-only		Deadline	
	Rolled Up Milestone		Group By Summary		Manual Task		Finish-only			

Motorola 800 MHz Rebanding Project Orange County, CA							Reconfiguration Proposal / Attachment F	
ID	Task Name	Duration	Start	Finish	Predecessors	Successors	Gantt Chart	
40	Return/replace 48 BDAS	24 days	Fri 7/13/18	Wed 8/15/18	41		[Gantt bar for 40]	
41	Assessment period	15 days	Thu 8/16/18	Wed 9/5/18	43		[Gantt bar for 41]	
42	<b>Reband South cell</b>	<b>80 days</b>	<b>Thu 8/16/18</b>	<b>Wed 12/26/18</b>			[Gantt bar for 42]	
43	Method 3 pre testing	5 days	Thu 9/6/18	Wed 9/12/18	44		[Gantt bar for 43]	
44	Reband 9 FNE sites	8 days	Thu 9/13/18	Mon 9/24/18	45		[Gantt bar for 44]	
45	Method 3 post testing	5 days	Tue 9/25/18	Mon 10/1/18	46		[Gantt bar for 45]	
46	Reband 5 conventional repeaters	8 days	Tue 10/2/18	Tue 10/9/18	47		[Gantt bar for 46]	
47	Return/replace 62 BDAS	31 days	Wed 10/10/18	Wed 11/21/18	48		[Gantt bar for 47]	
48	Assessment period	25 days	Thu 11/22/18	Wed 12/26/18	50		[Gantt bar for 48]	
49	<b>Reband Laguna cell</b>	<b>36 days</b>	<b>Thu 12/27/18</b>	<b>Thu 2/14/19</b>			[Gantt bar for 49]	
50	Method 3 pre testing	5 days	Thu 12/27/18	Wed 1/2/19	51		[Gantt bar for 50]	
51	Reband 3 FNE sites	5 days	Thu 1/2/19	Wed 1/9/19	52		[Gantt bar for 51]	
52	Method 3 post testing	5 days	Thu 1/9/19	Wed 1/16/19	53		[Gantt bar for 52]	
53	Reband 1 IR site and 13 conventional repeaters	11 days	Thu 1/17/19	Thu 1/31/19	54		[Gantt bar for 53]	
54	Assessment period	10 days	Thu 2/1/19	Thu 2/14/19	56		[Gantt bar for 54]	
55	<b>Reband CW cell</b>	<b>41 days</b>	<b>Fri 2/15/19</b>	<b>Fri 4/12/19</b>			[Gantt bar for 55]	
56	Method 3 pre testing	5 days	Fri 2/15/19	Thu 2/21/19	57		[Gantt bar for 56]	
57	Reband 10 FNE sites	4 days	Fri 2/22/19	Wed 2/27/19	58		[Gantt bar for 57]	
58	Method 3 post testing	5 days	Thu 2/28/19	Wed 3/6/19	59		[Gantt bar for 58]	
59	Replace/return 4 BDAS	2 days	Thu 3/7/19	Fri 3/8/19	60		[Gantt bar for 59]	
60	Assessment period	25 days	Mon 3/11/19	Fri 4/12/19	62		[Gantt bar for 60]	
61	<b>Reband Conventional simulcast systems</b>	<b>6 days</b>	<b>Mon 4/15/19</b>	<b>Mon 4/22/19</b>			[Gantt bar for 61]	
62	Reband Clemans	1 day	Mon 4/15/19	Mon 4/15/19	63		[Gantt bar for 62]	
63	Reband AirTac at first 5 sites	1 day	Tue 4/16/19	Tue 4/16/19	64FS+1 day		[Gantt bar for 63]	
64	Reband I-Call at first 5 sites	1 day	Thu 4/18/19	Thu 4/18/19	65FS+1 day		[Gantt bar for 64]	
65	Reband AirTac at remaining 5 sites	1 day	Fri 4/19/19	Fri 4/19/19	66		[Gantt bar for 65]	
66	Reband I-Call at remaining 5 sites	1 day	Mon 4/22/19	Mon 4/22/19	68		[Gantt bar for 66]	
67	<b>Remove B2B repeaters</b>	<b>10 days</b>	<b>Tue 4/23/19</b>	<b>Mon 5/6/19</b>			[Gantt bar for 67]	
68	De-install 6 B2B repeaters	4 days	Tue 4/23/19	Fri 4/26/19	69		[Gantt bar for 68]	
69	Remove B2B temporary antennas	4 days	Mon 4/29/19	Thu 5/2/19	70		[Gantt bar for 69]	
70	Package for return shipment	2 days	Fri 5/3/19	Mon 5/6/19	72		[Gantt bar for 70]	
71	<b>Project close out</b>	<b>38 days</b>	<b>Tue 5/7/19</b>	<b>Thu 6/27/19</b>			[Gantt bar for 71]	
72	Clear all punch list items	15 days	Tue 5/7/19	Mon 5/27/19	73		[Gantt bar for 72]	
73	Project reconciliation and true up	20 days	Tue 5/28/19	Mon 6/24/19	74		[Gantt bar for 73]	
74	Customer Acceptance	3 days	Tue 6/25/19	Thu 6/27/19			[Gantt bar for 74]	

Project: Orange County Date: Thu 10/27/16	Task		Rollup Progress		Inactive Task		Duration-only		External Task	
	Milestone		Split		Inactive Milestone		Manual Summary Rollup		External Milestone	
	Summary		External Task		Inactive Summary		Manual Summary		Progress	
	Rollup Task		Project Summary		Inactive Task		Start-only		Deadline	
	Rollup Milestone		Group By Summary		Manual Task		Finish-only			



Exhibit D**Orange County Signed Waiver and Consent**
**ORANGE COUNTY  
SHERIFF'S DEPARTMENT**

 SHERIFF-CORONER  
SANDRA HUTCHENS

July 14, 2017

**Marlene Dortch, Secretary**  
Federal Communications Commission  
445 12<sup>th</sup> Street, SW  
Washington, DC 20554

Dear Ms. Dortch:

Pursuant to Section 90.621(b)(5) of the rules of the Federal Communications Commission ("Commission"), 47 C.F.R. §90.621(b)(5), Orange County hereby submits this letter of concurrence with the associated request for waiver of the Commission's Rules for Sprint Corporation's ("Sprint") Basic Economic Area ("BEA") Call Sign WPOH385 (BEA160 - Los Angeles-Riverside-Orange County, CA-AZ).

Sprint seeks a waiver of the Commission's Rules to enable use of the 800 MHz NPSPAC spectrum (866-869 MHz) prior to the completion of 800 MHz band reconfiguration in the Southern California NPSPAC Region 5. Sprint's initial waiver requests authority for all or portions of San Luis Obispo County, Santa Barbara County and Kern County.

Sprint has demonstrated that most of its proposed facilities in these initial three counties will be located more than 70 miles from any Orange County sites that are either licensed to Orange County or licensed to the State of California and operated by Orange County. For those sites located more than 70 miles, but less than 105 miles, from Orange County's operations at the sites mentioned in Section 90.621(b)(1) of the Commission's Rules, Sprint has agreed to provide Orange County with technical information regarding such sites prior to implementation, and such sites will be reviewed and cleared by Orange County prior to Sprint's operation. Importantly, Sprint has agreed to correct any interference caused by its facilities under the requested waiver. Accordingly, Orange County provides its consent to Sprint's operations upon grant of a waiver by the Commission.

Sprint has also indicated its intention to seek a waiver authorizing additional counties beyond the initial three counties in California as Orange County and other public safety licensees complete their retunes and the 866 – 869 MHz spectrum becomes available in additional geography.<sup>1</sup> Because Orange County has been assured

<sup>1</sup> Sprint's additional waiver requests access to all or portions of Ventura County, San Bernardino County, Riverside County, Los Angeles County, San Diego County and Imperial County in California. Orange County is being omitted from this waiver request.

840 N. ECKHOFF STREET, SUITE 104, ORANGE, CA 92868 | (714) 704-7900

Integrity without compromise • Service above self • Professionalism in the performance of duty • Vigilance in safeguarding our community

**ORANGE COUNTY SHERIFF'S DEPARTMENT**

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it will be entitled to 70 miles of co-channel protection from these additional sites (and will review and clear sites more than 70 miles, but less than 105 miles, from Orange County's operations at those sites mentioned in Section 90.621(b)(1) of the Commission's Rules), Orange County does not object to these subsequent counties being made available to Sprint when they are clear. Accordingly, Orange County provides its consent to Sprint's operations upon grant of a waiver by the Commission for these additional counties as well.

Should you have any questions please do not hesitate to contact me directly.

Sincerely,



Dave Fontneau, Director  
Communications & Technology Division

---

840 N. ECKHOFF STREET, SUITE 104, ORANGE, CA 92868 (714) 704-7900

---

Integrity without compromise • Service above self • Professionalism in the performance of duty • Vigilance in safeguarding our community

**Exhibit E**

**Reporting Summary (Template Attached)**

**Bi-Weekly OC Rebanding Status Summary Form**

Report Date 6/26/2017

(Cells in yellow need to be re-populated)

**Date of this data:** 6/23/2017**Templates**

Scheduled completion in FRA 11/24/2017

Date of Last Report: 6/9/2017

Templates complete in Last Report: 500

Additional templates done this report: 60

Templates Complete: 296

Templates Remaining: 20000

Percent Complete: 1%

Templates/wk since last report: 27

Needed templates/wk to meet dates: 901

On Track Y/N Y

Comments: Ramping up

Workdays: Workweeks:

111 22 (Time remaining as of this report.)

11 2 (Time from last report to this report.)

**High Capacity Units**

Scheduled completion in FRA	5/16/2018	234	47	(Time remaining as of this report.)
Date of Last Report:	6/9/2017	11	2	(Time from last report to this report.)
Units complete in Last Report:	0			
Additional units done this report:	0			
Units Complete:	0			
Units Remaining:	20000			
Percent Complete:	0%			
Units/wk since last report:	0			
Needed units/wk to meet dates:	427			
On Track Y/N	Y			
Comments:	Ramping up			

**Sites**

	<u>FRA Schedule</u>		<u>Current Forecast</u>		<u>Complete?</u>	<u>Begin Variation</u>	<u>End Variation</u>
	<u>Begin</u>	<u>End</u>	<u>Begin</u>	<u>End</u>			
Master Site	5/17/2018	5/21/2018	5/17/2018	5/21/2018	N	0	0
NW Cell (+ units, BDA's, and conventionals)	5/7/2018	6/1/2018	5/7/2018	6/1/2018	N	0	0
SW Cell (+ units, BDA's, and conventionals)	6/4/2018	6/19/2018	6/4/2018	6/19/2018	N	0	0
N Cell (+ units, BDA's, and conventionals)	6/20/2018	7/20/2018	6/20/2018	7/20/2018	N	0	0
S Cell (+ units, BDA's, and conventionals)	7/23/2018	8/28/2018	7/23/2018	8/28/2018	N	0	0
Laguna Cell (+ units, BDA's, and conventionals)	8/29/2018	9/7/2018	8/29/2018	9/7/2018	N	0	0
Mutual Aid conventionals	9/10/2018	9/14/2018	9/10/2018	9/14/2018	N	0	0
Turn down CW pre-Rebanding channels	9/10/2018	9/14/2018	9/10/2018	9/14/2018	N	0	0
Return ICN's		9/18/2018		9/18/2018	N		0
CW Cell	10/1/2018	12/17/2018	10/1/2018	12/17/2018	N	0	0
On Track Y/N	Y						
Comments:	Awaiting additional template completions.						

**Second Unit Touch**

	<u>FRA Schedule</u>		<u>Current Forecast</u>		<u>Complete?</u>
	<u>Begin</u>	<u>End</u>	<u>Begin</u>	<u>End</u>	
2nd touch	12/18/2018	1/28/2019	12/18/2018	1/18/2019	No
On Track Y/N	Y				
Comments:	Sites are not finished yet.				

**Milestones Met**

	<u>Date</u>
Templates Completed	
High Capacity Template Completed	
Infrastructure Retune Begun	
All ICN's Submitted	

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**Attachment 1** (attached hereto)

