

CHANGE ORDER



1001 E. NINTH STREET
RENO, NEVADA 89512
PHONE: (775) 328-23052
FAX: (775) 328-3699

PROJECT:	Washoe County – Nevada Shared Radio System	CHANGE ORDER NO.:	
		DATE:	
SELLER:	Harris Corporation Communication Systems Segment	CONTRACT DATE:	September 27, 2018
SELLER ADDRESS:	221 Jefferson Ridge Parkway Lynchburg, VA 24501		

When submitting this Change Order, submit/attach changes including all supporting documentation as required by the System Purchase Agreement between Washoe County and Harris Corporation Communication Systems Segment, dated September 27, 2018, to this form.

Change Summary:

CHANGE ORDER



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Schedule and contract value changes:

The Contract Time will be (increased) by		days.
Original (Contract Sum) was	\$	
Net change by previously authorized Change Orders	\$	
The (Contract Sum) prior to this Change Order was	\$	
The (Contract Sum) will be (increased) by this Change Order in the amount of	\$	
The new Contract Sum including this Change Order will be	\$	

Site civils remaining allocation changes:

Total (Original plus Change Orders) Site Civils Allocation was	\$	
Net change by previous Civils Change Orders was	\$	
The remaining Site Civils Allocation prior to this Change Order was	\$	
The total Site Civils expenditure authorized by this Change Order is	\$	
The new remaining Site Civils Allocation will be	\$	

SIGNATURES

SELLER

**Harris Corporation acting through its
 Communication Systems Segment**

BY _____

NAME _____

TITLE Program Manager

DATE _____

BY _____

NAME _____

TITLE Contract Manager

DATE _____

BUYER

Washoe County

BY _____

NAME _____

TITLE Purchasing and Contract Manager

DATE _____

BY _____

NAME _____

TITLE Chief Information Officer

DATE _____

BY _____

NAME _____

TITLE IT Manager

DATE _____

Washoe County Change Order No. 8 Microwave Reconciliation						
Site Name	System Purchase Agreement Authorized	Change Order No. 8 Authorized	Microwave Equipment Increment / (Decrement)	Microwave Services Increment / (Decrement)	Total Microwave Increment / (Decrement)	Reason Code
49 Mountain	\$ 118,084.26	\$ 112,580.08	\$ (60,292.66)	\$ (52,287.42)	\$ (112,580.08)	iii
Ash Field	\$ 71,275.15	\$ 71,566.71	\$ 45,098.90	\$ (16,050.16)	\$ 29,048.74	i/ii
Biltmore	\$ 96,128.32	\$ 110,354.38	\$ 2,295.55	\$ (9,087.74)	\$ (6,792.19)	i/ii
Cold Springs	\$ 65,886.64	\$ 68,603.79	\$ 1,314.50	\$ 11,579.67	\$ 12,894.17	i
Chimney Peak	\$ 74,714.08	\$ -	\$ -	\$ -	\$ -	ii
Edison	\$ -	\$ 75,965.52	\$ (985.63)	\$ 11,166.92	\$ 10,181.29	i/ii
Fox Mountain	\$ 174,431.69	\$ 208,144.98	\$ 17,393.25	\$ 57,798.00	\$ 75,191.25	i/ii
Incline Village	\$ -	\$ 69,148.40	\$ (1,151.39)	\$ 15,315.13	\$ 14,163.74	i/ii
Marble Bluff	\$ 96,460.40	\$ 101,318.31	\$ 2,523.47	\$ (6,617.11)	\$ (4,093.64)	i/ii
Mount Rose	\$ 72,034.87	\$ 79,821.97	\$ (10,272.34)	\$ 13,527.13	\$ 3,254.79	i/ii
Ophir	\$ 82,394.03	\$ 109,701.20	\$ 3,394.31	\$ 19,638.62	\$ 23,032.93	i/ii
Peavine	\$ 194,626.08	\$ 191,046.07	\$ 2,813.71	\$ 19,544.33	\$ 22,358.04	i/ii
Poito	\$ 94,566.23	\$ 105,092.67	\$ 2,838.07	\$ 16,860.38	\$ 19,698.45	i/ii
Red Peak	\$ 137,675.55	\$ 125,447.21	\$ 3,266.08	\$ (16,837.88)	\$ (13,571.80)	i/ii
Seven Lakes	\$ 70,131.25	\$ 66,267.22	\$ 5,254.03	\$ 20,028.07	\$ 25,282.10	i
Slide Mountain	\$ 164,232.58	\$ 156,996.99	\$ (2,529.46)	\$ (12,655.52)	\$ (15,184.98)	i/ii
Smokey Quartz	\$ 83,001.74	\$ 65,290.85	\$ 1,314.50	\$ 8,405.99	\$ 9,720.49	i
Snowflake Lodge	\$ 65,775.26	\$ 103,187.31	\$ 147.21	\$ 1,458.92	\$ 1,606.13	i/ii
Sparks Dispatch	\$ -	\$ 76,599.42	\$ (1,043.10)	\$ (4,083.74)	\$ (5,126.84)	i/ii
Spectrum	\$ 79,488.07	\$ 145,556.39	\$ 1,464.81	\$ (15,261.14)	\$ (13,796.33)	i/ii
Virginia Peak	\$ 244,917.64	\$ 222,279.95	\$ (3,889.49)	\$ 99,247.84	\$ 95,358.35	i/ii
Undistributed / Spares	\$ -	\$ 66,757.93	\$ 44,929.01	\$ (19,958.68)	\$ 24,970.33	ii
9500 MPR Virtual Training	\$ -	\$ -	\$ -	\$ -	\$ 13,602.00	ii
7705 SAR Integration Virtual Training	\$ -	\$ -	\$ -	\$ -	\$ 13,602.00	ii
Poito Additional Design Change	\$ -	\$ -	\$ -	\$ -	\$ 2,719.20	i
Deployment Delays	\$ -	\$ -	\$ -	\$ -	\$ 27,858.00	i/ii
L3H Program Management @ 10 Days	\$ -	\$ -	\$ -	\$ 24,000.00	\$ 24,000.00	ii
L3H System Engineering @ 10 Days	\$ -	\$ -	\$ -	\$ 24,000.00	\$ 24,000.00	ii
Washoe County Microwave Total	\$ 1,985,823.84	\$ 2,331,727.35	\$ 53,883.33	\$ 189,731.61	\$ 301,396.14	

Less CO #12 Civils Recon Credit \$ (235,384.29)
Change Order 17 Total \$ 66,011.85

- (i) Reason Code 1: Design Change
- (ii) Reason Code 2: Scope Change
- (iii) Reason Code 3: Unforeseen / Environmental Conditions
- (iv) Reason Code 4: No Change / Not Applicable

EXHIBIT B:

Reconciliation Detail Description for Washoe County Microwave Change Order No. 8

A. Overview of Change Order and Justification

Reconciliation of the impact of updated material and services costs upon both (i) the Microwave Design Modifications and (ii) the Microwave Infrastructure as set forth in the System Purchase Agreement and in Change Order No. 8 resulting from mutually agreed upon design and scope changes. While the detailed change descriptions set forth in Section B are presented in the present tense for readability, in some cases the work has been completed as of the Effective Date. Where work is ongoing the parties acknowledge and agree to address any scope changes in a future reconciliation of costs at or near the time of completion. As of the Effective Date hereof, the following microwave links involve ongoing work:

- Biltmore - Snowflake
- Biltmore - Slide
- Fox - Ashfield
- Fox - Poito
- Peavine - Seven Lakes
- Poito - Marble Bluff
- Red Peak - Spectrum
- Smokey - Red Peak
- Virginia Peak - Red Peak

B. Detail Change Description**I. Microwave Equipment and Services by Site**

- a. 49 Mountain: The removal of all microwave equipment and services associated with the 49 Mountain Project Site results in a contract value decrease of \$112,580.08.
- b. Ash Field: Changes in the final design to achieve path reliability criteria and enhancement of installation hardware result in a contract value increase of \$45,098.90 to the value of the microwave equipment. Removal of installation services at the request of Washoe County results in a decrease in contract value of \$16,050.16 to the microwave services. Changes in microwave equipment and services result in a net increase in contract value of \$29,048.74.
- c. Biltmore: Changes in the final design to achieve path reliability criteria and enhancement of installation hardware result in an increase in contract value of \$2,295.55 to the microwave equipment. Changes in the estimated

installation effort result in a decrease in contract value of \$9,087.74 to the installation. Changes in microwave equipment and services result in a net reduction in contract value of \$6,792.19.

- d. Cold Springs: Changes in the final design to achieve path reliability criteria and enhancement of installation hardware results in a contract value increase of \$1,314.50 to the microwave equipment. Changes in the estimated installation effort results in a contract value increase of \$11,579.67 to the microwave service. Changes in microwave equipment and services result in a net contract value increase of \$12,894.17.
- e. Edison Way: Changes in the final design result in a contract value decrease of \$985.63 to the microwave equipment. Changes in the estimated installation effort result in a contract value increase of \$11,166.92 to the microwave service. Changes in microwave equipment and services results in a net contract value increase of \$10,181.29.
- f. Fox Mtn.: Changes in the final design to achieve path reliability criteria and enhancement of installation hardware results in a contract value increase of \$17,393.25 to the microwave equipment. Changes in the estimated installation effort results in a contract value increase of \$57,798.00 to the microwave service. Changes in microwave equipment and services result in a net contract value increase of \$75,191.25.
- g. Incline Village: Changes in the final design results in a contract value decrease of \$1,151.39 to the microwave equipment. Changes in the estimated installation effort results in a contract value increase of \$15,315.13 to the microwave service. Changes in microwave equipment and services result in a net contract value increase of \$14,163.74.
- h. Marble Bluff: Changes in the final design to achieve path reliability criteria and enhancement of installation hardware results in a contract value increase of \$2,523.47 to the microwave equipment. Changes in the estimated installation effort result in a decrease of \$6,617.11 to the microwave service. Changes in microwave equipment and services result in a net contract value decrease of \$4,093.64.
- i. Mt. Rose: Changes in the final design results in a contract value decrease of \$10,272.34 to the microwave equipment. Changes in the estimated installation effort result in an increase of \$13,527.13 to the microwave service. Changes in microwave equipment and services result in a net increase of \$3,254.79.
- j. Ophir: Changes in the final design to achieve path reliability criteria and enhancement of installation hardware result in a contract value increase of

\$3,394.31 to the microwave equipment. Changes in the estimated installation effort, additional site walk, and license change result in a contract value increase of \$19,638.62 to the microwave service. Changes in microwave equipment and services result in a net contract value increase of \$23,032.93.

- k. Peavine: Changes in the final design to achieve path reliability criteria and enhancement of installation hardware result in a contract value increase of \$2,813.71 to the microwave equipment. Changes in the estimated installation effort result in a contract value increase of \$19,544.33 to the microwave service. Changes in microwave equipment and services result in a net contract value increase of \$22,358.04.
- l. Poito: Changes in the final design to achieve path reliability criteria and enhancement of installation hardware result in a contract value increase of \$2,838.07 to the microwave equipment. Changes in the estimated installation effort result in a contract value increase of \$16,860.38 microwave service. Changes in microwave equipment and services result in a net contract value increase of \$19,698.45.
- m. Red Peak: Changes in the final design to achieve path reliability criteria and enhancement of installation hardware result in a contract value increase of \$3,266.08 to the microwave equipment. Changes in the estimated installation effort result in a contract value decrease of \$16,837.88 to the microwave service. Changes in microwave equipment and services result in a net contract value decrease of \$13,571.80.
- n. Seven Lakes: Changes in the final design to achieve path reliability criteria and enhancement of installation hardware result in a contract value increase of \$5,254.03 to the microwave equipment. Changes in the estimated installation effort result in a contract value increase of \$20,028.07 to the microwave service. Changes in microwave equipment and services result in a net contract value increase of \$25,282.10.
- o. Slide Mtn.: Changes in the final design result in a contract value decrease of \$2,529.46 to the microwave equipment. Changes in the estimated installation effort result in a contract value decrease of \$12,655.52 to the microwave service. Changes in microwave equipment and services result in a net decrease of \$15,184.98.
- p. Smokey Quartz: Changes in the final design to achieve path reliability criteria and enhancement of installation hardware result in a contract value increase of \$1,314.50 to the microwave equipment. Changes in the estimated installation effort result in a contract value increase of \$8,405.99 to the

microwave service. Changes in microwave equipment and services result in a net contract value increase of \$9,720.49.

- q. Snowflake Lodge: Changes in the final design to achieve path reliability criteria and enhancement of installation hardware result in a contract value increase of \$147.21 to the microwave equipment. Changes in the estimated installation effort result in a contract value increase of \$1,458.92 to the microwave service. Changes in microwave equipment and services result in a net contract value increase of \$1,606.13.
- r. Sparks Dispatch: Changes in the final design result in a contract value decrease of \$1,043.10 to the microwave equipment. Changes in the estimated installation effort result in a contract value decrease of \$4,083.74 to the microwave service. Changes in microwave equipment and services result in a net contract value decrease of \$5,126.84.
- s. Spectrum: Changes in the final design to achieve path reliability criteria and enhancement of installation hardware result in a contract value increase of \$1,464.81 to the microwave equipment. Changes in the estimated installation effort result in a contract value decrease of \$15,261.14 to the microwave equipment. Changes in microwave equipment and services result in a net contract value decrease of \$13,796.33.
- t. Virginia Peak: Changes in the final design result in a contract value decrease of \$3,889.49 of the microwave equipment. Changes in the estimated installation effort result in a contract value increase of \$99,247.84 to the microwave service. Changes in microwave equipment and services result in a net contract value increase of \$95,358.35.
- u. Undistributed / Spares: Changes in the final design to achieve path reliability criteria and enhancement of installation hardware result in a contract value increase of \$44,929.01 to the microwave equipment. Changes in the estimated installation effort result in a contract value decrease of \$19,958.68 to the microwave equipment. Changes in microwave equipment and services result in a net contract value increase of \$24,970.33.

II. Additional Services and Deployment Costs

- a. Training: Addition of virtual training classes (for 9500 Microwave Packet Radio (MPR) and 7705 Site Access Router (SAR) integration with microwave radio) results in a contract value increase of \$27,204.00.
- b. Poito Additional Design Change: At the request of Washoe County, L3Harris engaged Nokia to perform a feasibility study for lowering the height of the

microwave antenna at Poito directed to Fox Mtn from 30' above ground level (AGL) to 22' AGL. Nokia will also re-file the FCC license application for this design change. These additional activities were required as the site owner requested Washoe County relocate the microwave antenna after the license was granted for the 30' elevation. Addition of these services results in a contract value increase of \$2,719.20.

- c. Deployment Delays: There were three instances where Washoe County made last-minute requests to the microwave installer resulting in changes to the schedule and scope of work planned at the site(s). These changes increase the contract value in the amount of \$27,858.00.
- d. Program Management and System Engineering: Addition of 10 additional days for program management and system engineering (each) due to the extended microwave implementation schedule, resulting in a contract value increase of \$48,000.00.

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