

**INTERNAL SERVICES DEPARTMENT
TELECOMMUNICATIONS BRANCH
RADIO ENGINEERING SECTION**

COST ESTIMATE WORKSHEET

CUSTOMER/DEPARTMENT: Compton Sheriff Station Sergeant Douglas M. Iketani

WORK DESCRIPTION: Install Four Amateur radio systems for Sheriff Department at Compton Station

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| <ol style="list-style-type: none"> 1) ISD shall design, install, and test four (4) amateur radio systems at Compton Sheriff Station. 2) Compton Sheriff Station shall provide material such as: transmission cable (LMR400), radio equipment and antennas. Please see below lists. 3) Compton Sheriff Station shall provide two AC power outlets (20Amps) at the Fleet Office and 3-inch metal conduit between the Microwave Radio Room and the Fleet Office. Please see attached details. 4) ISD Radio Engineer will be responsible to purchase materials: Connectors, Lightning Protectors, and Antennas as shown in the materials list, to complete the job. |
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LABOR

FUND ORG	ITEM NO.	JOB DESCRIPTION	UNIT RATE	TOTAL HOURS	TOTAL COST
Pacoima	Line Crews	Install antennas, cable, radio systems	\$110	90	\$9,900
Radio Shop	Technician	Connectivity, testing, optimization	\$110	30	\$3,300
Engineer	Engineer	System Design and Documentation	\$0	30	\$0
Sub-total:					\$13,200

MATERIAL (SERVICES AND SUPPLIES)

MATERIAL DESCRIPTION	UNIT PRICE	QTY.	TOTAL COST
Comet-NCG CHA-250 B Antenna	\$400.00	1	\$400.00
Diamond X-50 NA Antenna	\$100.00	1	\$100.00
Comnet CF-416C duplexer	\$100.00	1	\$100.00
CR8900 A Quad Band FM Mobile Antenna plus Mag. Mount	\$200.00	1	\$200.00
Twenty (20) Connectors, Five lightning suppressor	#####	1	\$1,000.00
Sub-total:			\$1,800.00

EQUIPMENT (FIXED ASSET) - TO BE PURCHASE BY SHERIFF DEPT.

EQUIPMENT DESCRIPTION	UNIT PRICE	QTY.	TOTAL COST
Radio Equipment: Icom Ic-2200H & Alinco DR 235 MKIII	\$0	1	\$0
Radio Equipment: Kenwood TS-2000 & Yaesu FT 8900	\$0	1	\$0
LMR 400 - Transmission Cable (length as required)	\$0	1	\$0
Astron Power Supply	\$0	3	\$0
	\$0	1	\$0
Sub-total:			\$0

Grand-Total: \$15,000

PROJECT ENG'R: Sareth DOK ^{SD} **DATE:** 12-8-2015

SECTION HEAD: Ray Young ^{RY} **DATE:** 1/8/15