

Appendix E EQUIPMENT LISTS

4.5 EQUIPMENT LISTS¹

4.5.1 Dispatch Systems Equipment List

4.5.1.1 El Camino Real Dispatch

QTY	NOMENCLATURE	DESCRIPTION
2	CLN1856	2620-24 ETHERNET SWITCH
2	SQM01SUM0205	GGM 8000 GATEWAY
2	CA01616AA	ADD: AC POWER
1	T7038	GCP 8000 SITE CONTROLLER
1	CA00303AA	ADD: QTY (1) SITE CONTROLLER
1	X153AW	ADD: RACK MOUNT HARDWARE
1	CA01136AA	MCC 7500 CONVEN SITE OPER
1	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
1	CA03111AA	ADD: CEC COMPLIANCE
1	SQM01SUM0205	GGM 8000 GATEWAY
1	CA01616AA	ADD: AC POWER
1	CA02086AA	ADD: HIGH DENSITY ENH CONV GATEWAY
3	B1939	MCC 7100 IP Dispatch Position Main Model
3	CA01642AB	ADD: MCC 7100 BASIC CONSOLE FUNCTIONALITY SOFTWARE LICENSE
3	CA01643AA	ADD: MCC 7500/MCC 7100 TRUNKING OPERATION
3	CA01644AA	ADD: MCC 7500/MCC 7100 ADV CONVL OPERATION
3	CA02092AA	ADD: SOFTWARE AES, DES-OFB, ADP ENCRYPT KEY FILE MGMT
3	CA02180AA	ADD: MCC 7100 SECURE OPERATION
1	B1940	MCC 7100 DVD
3	DSTG191	TECH GLOBAL EVOLUTION SERIES 19INCH NON TOUCH
3	TT3106	Z440 WORKSTATION WINDOWS 10 IOT ENT (NON RETURNABLE)
3	CDN6673	CREATIVE LABS INSPIRE A60
3	DDN1396	USB DUAL ACTION FOOTSWITCH W/INPUT JACK KINESIS
3	B1941	USB AUDIO INTERFACE MODULE
6	B1913	MCC SERIES HEADSET JACK
3	B1914	MCC SERIES DESKTOP GOOSENECK MICROPHONE
3	DSTWIN6328A	PROVIDES ONE DUAL PEDAL FOOTSWITCH FOR USE WITH MOTOROLA MCC 7500 DISP

¹ At no additional cost to Customer, Motorola may substitute any Equipment, Software, or services to be provided by Motorola, if the substitute meets or exceeds the Specifications and is of equivalent or better quality to the Customer.

3	T7885	MCAFFEE WINDOWS AV CLIENT
1	B1942	MCC7100 SOFTWARE LICENSING
3	UA00250AA	ADD: 10 CHANNEL SW LICENSE
3	UA00253AA	ADD: MCC 7100 INSTANT RECALL RECORDER LICENSE
1	CLN1856	2620-24 ETHERNET SWITCH
1	SQM01SUM0205	GGM 8000 GATEWAY
1	CA01616AA	ADD: AC POWER
1	T7038	GCP 8000 SITE CONTROLLER
1	CA00303AA	ADD: QTY (1) SITE CONTROLLER
1	X153AW	ADD: RACK MOUNT HARDWARE
1	CA01136AA	MCC 7500 CONVEN SITE OPER
1	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
1	CA03111AA	ADD: CEC COMPLIANCE
1	SQM01SUM0205	GGM 8000 GATEWAY
1	CA01616AA	ADD: AC POWER
1	CA02086AA	ADD: HIGH DENSITY ENH CONV GATEWAY
2	B1939	MCC 7100 IP Dispatch Position Main Model
2	CA01642AB	ADD: MCC 7100 BASIC CONSOLE FUNCTIONALITY SOFTWARE LICENSE
2	CA01643AA	ADD: MCC 7500/MCC 7100 TRUNKING OPERATION
2	CA01644AA	ADD: MCC 7500/MCC 7100 ADV CONVL OPERATION
2	CA02092AA	ADD: SOFTWARE AES, DES-OFB, ADP ENCRYPT KEY FILE MGMT
2	CA02180AA	ADD: MCC 7100 SECURE OPERATION
1	B1940	MCC 7100 DVD
2	DSTG191	TECH GLOBAL EVOLUTION SERIES 19INCH NON TOUCH
2	TT3106	Z440 WORKSTATION WINDOWS 10 IOT ENT (NON RETURNABLE)
2	CDN6673	CREATIVE LABS INSPIRE A60
2	DDN1396	USB DUAL ACTION FOOTSWITCH W/INPUT JACK KINESIS
2	B1941	USB AUDIO INTERFACE MODULE
4	B1913	MCC SERIES HEADSET JACK
2	B1914	MCC SERIES DESKTOP GOOSENECK MICROPHONE
2	DSTWIN6328A	PROVIDES ONE DUAL PEDAL FOOTSWITCH FOR USE WITH MOTOROLA MCC 7500 DISP
2	T7885	MCAFFEE WINDOWS AV CLIENT
1	B1942	MCC7100 SOFTWARE LICENSING
2	UA00250AA	ADD: 10 CHANNEL SW LICENSE
2	UA00253AA	ADD: MCC 7100 INSTANT RECALL RECORDER LICENSE

4.5.1.3 Moccasin Dispatch

QTY	NOMENCLATURE	DESCRIPTION
2	CLN1856	2620-24 ETHERNET SWITCH
2	SQM01SUM0205	GGM 8000 GATEWAY
2	CA01616AA	ADD: AC POWER
1	T7038	GCP 8000 SITE CONTROLLER
1	CA00303AA	ADD: QTY (1) SITE CONTROLLER
1	X153AW	ADD: RACK MOUNT HARDWARE
1	CA01136AA	MCC 7500 CONVEN SITE OPER
1	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
1	CA03111AA	ADD: CEC COMPLIANCE
1	SQM01SUM0205	GGM 8000 GATEWAY
1	CA01616AA	ADD: AC POWER
1	CA02086AA	ADD: HIGH DENSITY ENH CONV GATEWAY
5	B1939	MCC 7100 IP Dispatch Position Main Model
5	CA01642AB	ADD: MCC 7100 BASIC CONSOLE FUNCTIONALITY SOFTWARE LICENSE
5	CA01643AA	ADD: MCC 7500/MCC 7100 TRUNKING OPERATION
5	CA01644AA	ADD: MCC 7500/MCC 7100 ADV CONVL OPERATION
5	CA02092AA	ADD: SOFTWARE AES, DES-OFB, ADP ENCRYPT KEY FILE MGMT
5	CA02180AA	ADD: MCC 7100 SECURE OPERATION
1	B1940	MCC 7100 DVD
5	DSTG191	TECH GLOBAL EVOLUTION SERIES 19INCH NON TOUCH
5	TT3106	Z440 WORKSTATION WINDOWS 10 IOT ENT (NON RETURNABLE)
5	CDN6673	CREATIVE LABS INSPIRE A60
5	DDN1396	USB DUAL ACTION FOOTSWITCH W/INPUT JACK KINESIS
5	B1941	USB AUDIO INTERFACE MODULE
10	B1913	MCC SERIES HEADSET JACK
5	B1914	MCC SERIES DESKTOP GOOSENECK MICROPHONE
5	DSTWIN6328A	PROVIDES ONE DUAL PEDAL FOOTSWITCH FOR USE WITH MOTOROLA MCC 7500 DISP
5	T7885	MCAFEE WINDOWS AV CLIENT
1	B1942	MCC7100 SOFTWARE LICENSING
5	UA00250AA	ADD: 10 CHANNEL SW LICENSE
5	UA00253AA	ADD: MCC 7100 INSTANT RECALL RECORDER LICENSE
1	UA00254AA	ADD: PRX 7000 PROXY SW LICENSE (1-10 CONNECTIONS)
1	BVN6079	PRX 7000 Proxy Application SW DVD
1	TT3106	Z440 WORKSTATION WINDOWS 10 IOT ENT (NON RETURNABLE)
1	DDN9590	SSG140 FIREWALL-NON CANCELLABLE, NON RETURNABLE, 1 YR WNTY
1	T8126	FORTINET FIREWALL APPLIANCE
1	DS1101990	SPD, SHIELDED RJ-45 JACK, SINGLE LINE GBE (1000MBPS) R56 COMPLIANT

1	CLN1856	2620-24 ETHERNET SWITCH
1	SQM01SUM0205	GGM 8000 GATEWAY
1	CA01616AA	ADD: AC POWER
1	B1939	MCC 7100 IP Dispatch Position Main Model
1	CA01642AB	ADD: MCC 7100 BASIC CONSOLE FUNCTIONALITY SOFTWARE LICENSE
1	CA01643AA	ADD: MCC 7500/MCC 7100 TRUNKING OPERATION
1	CA01644AA	ADD: MCC 7500/MCC 7100 ADV CONVL OPERATION
1	CA02092AA	ADD: SOFTWARE AES, DES-OFB, ADP ENCRYPT KEY FILE MGMT
1	CA02180AA	ADD: MCC 7100 SECURE OPERATION
1	B1940	MCC 7100 DVD
1	DSTG191	TECH GLOBAL EVOLUTION SERIES 19INCH NON TOUCH
1	TT3106	Z440 WORKSTATION WINDOWS 10 IOT ENT (NON RETURNABLE)
1	CDN6673	CREATIVE LABS INSPIRE A60
1	DDN1396	USB DUAL ACTION FOOTSWITCH W/INPUT JACK KINESIS
1	B1941	USB AUDIO INTERFACE MODULE
2	B1913	MCC SERIES HEADSET JACK
1	B1914	MCC SERIES DESKTOP GOOSENECK MICROPHONE
1	DSTWIN6328A	PROVIDES ONE DUAL PEDAL FOOTSWITCH FOR USE WITH MOTOROLA MCC 7500 DISP
1	T7885	MCAFEE WINDOWS AV CLIENT
1	B1942	MCC7100 SOFTWARE LICENSING
1	UA00250AA	ADD: 10 CHANNEL SW LICENSE
1	UA00253AA	ADD: MCC 7100 INSTANT RECALL RECORDER LICENSE

4.5.2 Radio System Equipment

4.5.2.1 Master Site Licenses

QTY	NOMENCLATURE	DESCRIPTION
1	SQM01SUM0273	MASTER SITE CONFIGURATION
8	UA00153AA	ADD: ASTRO 25 FDMA SITE LICENSE
1	CA02629AC	ADD: EXPAND 7.17 M CORE
2	UA00015AA	ADD: 501-1000 RESOURCES FOR LOCATION
2	UA00056AA	ADD: 501-1000 RESOURCES FOR PRESENCE
2	UA00290AA	ADD: 501-1000 RESOURCES FOR MESSAGING
8	UA00159AA	ADD: P25 PHASE 2 TDMA TRKNG OP SITE LIC
16	UA00161AA	ADD: P25 PHASE 2 TDMA SW BASE RADIO LIC
4	UA00152AA	ADD: 500 RADIO USER LICENSES
1	B1939	MCC 7100 IP DISPATCH POSITION MAIN MODEL
1	CA01642AB	ADD: MCC 7100 BASIC CONSOLE FUNCTIONALITY SOFTWARE

1	CA01643AA	ADD: MCC 7500/7100 TRUNKING OPERATION
1	CA02092AA	ADD: SOFTWARE AES, DES-OFB, ADP ENCRYPT KEY FILE MGMT
1	CA02180AA	ADD: MCC 7100 SECURE OPERATION
1	DSTG191	TECH GLOBAL EVOLUTION SERIES 19INCH NON TOUCH
1	B1942	MCC7100 SOFTWARE LICENSE
1	UA00249AA	ADD: 5 CHANNEL SW LICENSE
1	TT3106	Z440 WORKSTATION WINDOWS 10 IOT ENT (NON RETURNABLE)
1	T7885	MCAFEE WINDOWS AV CLIENT

4.5.2.2 Network Management Clients

QTY	NOMENCLATURE	DESCRIPTION
3	TT3106	Z440 WORKSTATION WINDOWS 10 IOT ENT (NON RETURNABLE)
3	T8363	ASTRO 7.17 CLIENT
3	T7885	MCAFEE WINDOWS AV CLIENT
1	UA00147AA	ADD: PROVISIONING MANAGER
2	CA01316AA	ADD: UNC ADDTL DEVICE LIC (QTY 10)
1	UA00141AA	ADD: ZONEWATCH GRID & CTRL
1	UA00146AA	ADD: UNIFIED EVENT MANAGER (UEM)
3	UA00227AA	ADD: UEM SNMP ELEMENT MANAGEMENT TOOLKIT (QTY 10)

4.5.2.3 Remote Terminal Units

QTY	NOMENCLATURE	DESCRIPTION
13	F4544	SITE MANAGER ADVANCED
13	VA00905	ADD:24/48 VDC PS TO SM
13	VA00872	ADD: SDM ASTRO RTU FW CURR ASTRO REL
39	V592	AAD TERM BLCK & CONN WI
13	F2463	RTU_PER_DEVICE_SW_LICENSES
65	V839	RTU_SW_LIC_PER_NFM-RTU_I-O
3	SQM01SUM0205	GGM 8000 GATEWAY
3	CA01616AA	ADD: AC POWER
3	CLN1856	2620-24 ETHERNET SWITCH

4.5.2.4 Hetch-Hetchy Simulcast Cell

4.5.2.4.1 Prime Site

QTY	NOMENCLATURE	DESCRIPTION
1	T7321	GCM 8000 COMPARATOR
2	CA01183AA	GCM 8000 COMPARATOR

2	CA01185AA	ADD: IP BASED MULTISITE OPERATION
2	CA01901AA	ADD: P25 TDMA COMPARATOR SOFTWARE
1	X153AW	ADD: RACK MOUNT HARDWARE
2	CA01974AA	TRUNKING REDUNDANT COMPRTR SW
1	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
1	CA03111AA	ADD: CEC COMPLIANCE
1	T7321	GCM 8000 COMPARATOR
1	CA01183AA	GCM 8000 COMPARATOR
1	CA01185AA	ADD: IP BASED MULTISITE OPERATION
1	CA01901AA	ADD: P25 TDMA COMPARATOR SOFTWARE
1	X153AW	ADD: RACK MOUNT HARDWARE
1	CA01974AA	TRUNKING REDUNDANT COMPRTR SW
1	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
1	CA03111AA	ADD: CEC COMPLIANCE
1	T7038	GCP 8000 SITE CONTROLLER
1	CA00303AA	ADD: QTY (1) SITE CONTROLLER
3	CA02206AA	ADD: SIMULCAST REMOTE SITE LICENSE IV&D
1	CA01194AA	IP BASED MULTISITE SITE CONTROLLER SOFTWARE
1	X153AW	ADD: RACK MOUNT HARDWARE
1	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
1	CA03111AA	ADD: CEC COMPLIANCE
1	T7038	GCP 8000 SITE CONTROLLER
1	CA00303AA	ADD: QTY (1) SITE CONTROLLER
3	CA02206AA	ADD: SIMULCAST REMOTE SITE LICENSE IV&D
1	CA01194AA	IP BASED MULTISITE SITE CONTROLLER SOFTWARE
1	X153AW	ADD: RACK MOUNT HARDWARE
1	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
1	CA03111AA	ADD: CEC COMPLIANCE
1	DSTRAK91008EDC	PRIME/MASTER SITE REDUNDANT MODULAR FREQUENCY TIMING SYSTEM DC
50	L1700	FSJ1-50A CABLE: 1/4" SUPERFLEX POLY JKT PER FOOT
4	DDN9769	F1TNM-HC 1/4" TYPE N MALE CONNECTOR FOR FSJ1-50A CABLE
1	CLN1859	2620-48 ETHERNET SWITCH
1	CLN1856	2620-24 ETHERNET SWITCH

1	SQM01SUM0205	GGM 8000 GATEWAY
1	CA01616AA	ADD: AC POWER
1	SQM01SUM0205	GGM 8000 GATEWAY
1	CA01616AA	ADD: AC POWER
2	TRN7343	SEVEN AND A HALF FOOT RACK

4.5.2.4.2 Geo-Redundant Prime Site

QTY	NOMENCLATURE	DESCRIPTION
1	T7321	GCM 8000 COMPARATOR
2	CA01183AA	GCM 8000 COMPARATOR
2	CA01185AA	ADD: IP BASED MULTISITE OPERATION
2	CA01901AA	ADD: P25 TDMA COMPARATOR SOFTWARE
1	X153AW	ADD: RACK MOUNT HARDWARE
2	CA01974AA	TRUNKING REDUNDANT COMPRTR SW
1	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
1	CA03111AA	ADD: CEC COMPLIANCE
1	T7321	GCM 8000 COMPARATOR
1	CA01183AA	GCM 8000 COMPARATOR
1	CA01185AA	ADD: IP BASED MULTISITE OPERATION
1	CA01901AA	ADD: P25 TDMA COMPARATOR SOFTWARE
1	X153AW	ADD: RACK MOUNT HARDWARE
1	CA01974AA	TRUNKING REDUNDANT COMPRTR SW
1	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
1	CA03111AA	ADD: CEC COMPLIANCE
1	T7038	GCP 8000 SITE CONTROLLER
1	CA00303AA	ADD: QTY (1) SITE CONTROLLER
3	CA02206AA	ADD: SIMULCAST REMOTE SITE LICENSE IV&D
1	CA02474AA	ADD:GEO-REDUN BACK-UP SC LIC
1	CA01194AA	IP BASED MULTISITE SITE CONTROLLER SOFTWARE
1	X153AW	ADD: RACK MOUNT HARDWARE
1	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
1	CA03111AA	ADD: CEC COMPLIANCE
1	DSTRAK91008EDC	PRIME/MASTER SITE REDUNDANT MODULAR FREQUENCY TIMING SYSTEM DC
50	L1700	FSJ1-50A CABLE: 1/4" SUPERFLEX POLY JKT PER FOOT
4	DDN9769	F1TNM-HC 1/4" TYPE N MALE CONNECTOR FOR FSJ1-50A CABLE
1	SQM01SUM0205	GGM 8000 GATEWAY

1	CA01616AA	ADD: AC POWER
1	CLN1856	2620-24 ETHERNET SWITCH
1	CLN1859	2620-48 ETHERNET SWITCH
1	SQM01SUM0205	GGM 8000 GATEWAY
1	CA01616AA	ADD: AC POWER
2	TRN7343	SEVEN AND A HALF FOOT RACK

4.5.2.4.3 Duckwall Simulcast Site

QTY	NOMENCLATURE	DESCRIPTION
1	SQM01SUM7054	GTR 8000 EXPANDABLE SITE SUBSYSTEM
1	CA00855AA	ADD: 700/800 MHz
1	X303AE	ADD: QTY (3) GTR 8000 BASE RADIOS
3	CA01193AA	IP BASED MULTISITE BASE RADIO SOFTWARE
2	CA01842AA	ADD: P25 TDMA SOFTWARE
1	CA00861AA	ADD: CABINET RMC W/CAPABILITY OF 6 BRS
1	CA00879AA	ADD: PRIMARY 6 PORT CAVITY COMBINER
1	CA00883AA	ADD: 800 MHz TX FILTER W/PMU
2	CA01536AA	GPB 8000 REFERENCE DISTRIBUTION MODULE
2	CA01537AA	ADD: REFERENCE DISTRIBUTION SOFTWARE
1	X882AH	ADD: 7.5 FT OPEN RACK, 48RU
1	CA02686AA	ADD: AC DC POWER DISTRIBUTION
3	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
3	CA03111AA	ADD: CEC COMPLIANCE
2	CA01706AA	ADD: ADD: GGM 8000 GATEWAY
1	DLN6455	CONFIGURATION/SERVICE SOFTWARE
1	DSSC479HF1LDFD4	COLLINEAR OMNI 9.5 DBD, LOW PIM, 4 DEG DT, HD, 746-869 MHz, DIN-FEMALE
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
200	DSAVA550	AVA5-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET
2	DSA5DFD	D-CLASS 7-16 DIN FEMALE FOR AVA5-50 CABLE
5	DSSG7806B2A	SG78-06B2A GROUNDING KIT FOR 7/8 IN COAXIAL CABLE
1	DSL5SGRIP	L5SGRIP 7/8" SUPPORT HOIST GRIP
7	MDN6817	42396A-5 7/8" CABLE HANGER STAINLESS, 10 PK
1	DSTSXFMBF	RF SPD, 698-2700MHZ DC BLOCK HIGH PWR, DIN FEM/MALE BI-DIR W/BRACKET
1	DSGSAKITD	GROUND STRAP KIT - DIN

25	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
1	DSSC479HF1LDFD02	COLLINEAR OMNI ANTENNA, 9.5 DBD GAIN, HD, 746-869 MHz, DT 2 DEG
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
200	DSAVA550	AVA5-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET
2	DSA5NFS	N FEMALE FOR AVA5-50 CABLE
5	DSSG7806B2A	SG78-06B2A GROUNDING KIT FOR 7/8 IN COAXIAL CABLE
1	DSL5SGRIP	L5SGRIP 7/8" SUPPORT HOIST GRIP
7	MDN6817	42396A-5 7/8" CABLE HANGER STAINLESS, 10 PK
1	DS1090501WA	RF SPD, 700-1000MHZ BROADBAND 15 VDC PASS NM ANT, NF EQUIP PIP, ASIG
25	L1702	FSJ4-50B CABLE: 1/2" SUPERFLEX POLY JKT PER FOOT
2	DDN9682	F4PNMV2-HC 1/2" TYPE N MALE PLATED CONNECTOR
1	DSL MAR548VBX	Battery rack with (4) 24V to 48VDC converters

4.5.2.4.4 Burnout Ridge Simulcast Site

QTY	NOMENCLATURE	DESCRIPTION
1	SQM01SUM7054	GTR 8000 EXPANDABLE SITE SUBSYSTEM
1	CA00855AA	ADD: 700/800 MHz
1	X303AE	ADD: QTY (3) GTR 8000 BASE RADIOS
3	CA01193AA	IP BASED MULTISITE BASE RADIO SOFTWARE
2	CA01842AA	ADD: P25 TDMA SOFTWARE
1	CA00861AA	ADD: CABINET RMC W/CAPABILITY OF 6 BRS
1	CA00879AA	ADD: PRIMARY 6 PORT CAVITY COMBINER
1	CA00883AA	ADD: 800 MHz TX FILTER W/PMU
2	CA01536AA	GPB 8000 REFERENCE DISTRIBUTION MODULE
2	CA01537AA	ADD: REFERENCE DISTRIBUTION SOFTWARE
1	X882AH	ADD: 7.5 FT OPEN RACK, 48RU
1	CA02686AA	ADD: AC DC POWER DISTRIBUTION
3	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
3	CA03111AA	ADD: CEC COMPLIANCE
2	CA01706AA	ADD: ADD: GGM 8000 GATEWAY
1	DLN6455	CONFIGURATION/SERVICE SOFTWARE

1	DSSC479HF1LDFD4	COLLINEAR OMNI 9.5 DBD, LOW PIM, 4 DEG DT, HD, 746-869 MHz, DIN-FEMALE
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
200	DSAVA550	AVA5-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET
2	DSA5DFD	D-CLASS 7-16 DIN FEMALE FOR AVA5-50 CABLE
5	DSSG7806B2A	SG78-06B2A GROUNDING KIT FOR 7/8 IN COAXIAL CABLE
1	DSL5SGRIP	L5SGRIP 7/8" SUPPORT HOIST GRIP
7	MDN6817	42396A-5 7/8" CABLE HANGER STAINLESS, 10 PK
1	DSTSXFMBF	RF SPD, 698-2700MHZ DC BLOCK HIGH PWR, DIN FEM/MALE BI-DIR W/BRACKET
1	DSGSAKITD	GROUND STRAP KIT - DIN
25	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
1	DSSC479HF1LDFD02	COLLINEAR OMNI ANTENNA, 9.5 DBD GAIN, HD, 746-869 MHz, DT 2 DEG
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
200	DSAVA550	AVA5-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET
2	DSA5NFS	N FEMALE FOR AVA5-50 CABLE
5	DSSG7806B2A	SG78-06B2A GROUNDING KIT FOR 7/8 IN COAXIAL CABLE
1	DSL5SGRIP	L5SGRIP 7/8" SUPPORT HOIST GRIP
7	MDN6817	42396A-5 7/8" CABLE HANGER STAINLESS, 10 PK
1	DS1090501WA	RF SPD, 700-1000MHZ BROADBAND 15 VDC PASS NM ANT, NF EQUIP PIP, ASIG
25	L1702	FSJ4-50B CABLE: 1/2" SUPERFLEX POLY JKT PER FOOT
2	DDN9682	F4PNMV2-HC 1/2" TYPE N MALE PLATED CONNECTOR
1	DSL MAR548VBX	Battery rack with (4) 24V to 48VDC converters

4.5.2.4.5 Moccasin Peak Simulcast Site

QTY	NOMENCLATURE	DESCRIPTION
1	SQM01SUM7054	GTR 8000 EXPANDABLE SITE SUBSYSTEM
1	CA00855AA	ADD: 700/800 MHz
1	X303AE	ADD: QTY (3) GTR 8000 BASE RADIOS

3	CA01193AA	IP BASED MULTISITE BASE RADIO SOFTWARE
2	CA01842AA	ADD: P25 TDMA SOFTWARE
1	CA00861AA	ADD: CABINET RMC W/CAPABILITY OF 6 BRS
1	CA00879AA	ADD: PRIMARY 6 PORT CAVITY COMBINER
1	CA00883AA	ADD: 800 MHz TX FILTER W/PMU
2	CA01536AA	GPB 8000 REFERENCE DISTRIBUTION MODULE
2	CA01537AA	ADD: REFERENCE DISTRIBUTION SOFTWARE
1	X882AH	ADD: 7.5 FT OPEN RACK, 48RU
1	CA02686AA	ADD: AC DC POWER DISTRIBUTION
3	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
3	CA03111AA	ADD: CEC COMPLIANCE
2	CA01706AA	ADD: ADD: GGM 8000 GATEWAY
1	DLN6455	CONFIGURATION/SERVICE SOFTWARE
1	DSSC479HF1LDF	COLLINEAR OMNI ANTENNA, 9.5 DBD GAIN, LOW PIM, HD, 746-869 MHz
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
200	DSAVA550	AVA5-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET
2	DSA5DFD	D-CLASS 7-16 DIN FEMALE FOR AVA5-50 CABLE
5	DSSG7806B2A	SG78-06B2A GROUNDING KIT FOR 7/8 IN COAXIAL CABLE
1	DSL5SGRIP	L5SGRIP 7/8" SUPPORT HOIST GRIP
7	MDN6817	42396A-5 7/8" CABLE HANGER STAINLESS, 10 PK
1	DSTSXD FMBF	RF SPD, 698-2700MHZ DC BLOCK HIGH PWR, DIN FEM/MALE BI-DIR W/BACKET
1	DSGSAKITD	GROUND STRAP KIT - DIN
25	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
1	DSSC479HF1LDF	COLLINEAR OMNI ANTENNA, 9.5 DBD GAIN, LOW PIM, HD, 746-869 MHz
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
200	DSAVA550	AVA5-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET
2	DSA5NFS	N FEMALE FOR AVA5-50 CABLE
5	DSSG7806B2A	SG78-06B2A GROUNDING KIT FOR 7/8 IN COAXIAL CABLE
1	DSL5SGRIP	L5SGRIP 7/8" SUPPORT HOIST GRIP
7	MDN6817	42396A-5 7/8" CABLE HANGER STAINLESS, 10 PK

1	DS1090501WA	RF SPD, 700-1000MHZ BROADBAND 15 VDC PASS NM ANT, NF EQUIP PIP, ASIG
25	L1702	FSJ4-50B CABLE: 1/2" SUPERFLEX POLY JKT PER FOOT
2	DDN9682	F4PNMV2-HC 1/2" TYPE N MALE PLATED CONNECTOR

4.5.2.5 Standalone Trunked Repeater Sites

4.5.2.5.1 Mount Allison

QTY	NOMENCLATURE	DESCRIPTION
1	SQM01SUM7054	GTR 8000 EXPANDABLE SITE SUBSYSTEM
1	CA00855AA	ADD: 700/800 MHz
1	X303AE	ADD: QTY (3) GTR 8000 BASE RADIOS
3	X591AE	ENH: ASTRO 25 SITE REPEATER SW
2	CA01706AA	ADD: ADD: GGM 8000 GATEWAY
2	CA01842AA	ADD: P25 TDMA SOFTWARE
1	CA00861AA	ADD: CABINET RMC W/CAPABILITY OF 6 BRS
1	CA00879AA	ADD: PRIMARY 6 PORT CAVITY COMBINER
1	CA00883AA	ADD: 800 MHz TX FILTER W/PMU
2	CA00303AA	ADD: QTY (1) SITE CONTROLLER
2	CA02219AA	ADD: ASTRO 25 SITE REPEATER SITE CONTROLLER SOFTWARE IV&D
1	X882AH	ADD: 7.5 FT OPEN RACK, 48RU
1	CA02686AA	ADD: AC DC POWER DISTRIBUTION
3	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
3	CA03111AA	ADD: CEC COMPLIANCE
1	DSSC479HF1LDF	COLLINEAR OMNI ANTENNA, 9.5 DBD GAIN, LOW PIM, HD, 746-869 MHz
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
200	L3599	AVA6-50 CABLE: 1-1/4" AVA6-50, COAX CORRUG COPPER, BLACK PE JACKET
2	DS114EZDF	114EZ DIN FEMALE CONNECTOR
5	DSSG11406B2A	SG114-06B2A 1-1/4" SURE GROUND GROUNDING KIT
1	DSL6SGRIP	L6SGRIP 1-1/4" SUPPORT HOIST GRIP
7	TDN7519	42396A-1 1-1/4" CABLE HANGER KIT STAINLESS
1	DSTSXD FMBF	RF SPD, 698-2700MHZ DC BLOCK HIGH PWR, DIN FEM/MALE BI-DIR W/BRACKET
1	DSGSAKITD	GROUND STRAP KIT - DIN
25	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE

1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
1	DDN9743	TK-TW TORQUE WRENCH KIT FOR 7-16 DIN & TYPE N COUPLING NUTS
1	DSSC479HF1LDF	COLLINEAR OMNI ANTENNA, 9.5 DBD GAIN, LOW PIM, HD, 746-869 MHz
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
200	L3599	AVA6-50 CABLE: 1-1/4" AVA6-50, COAX CORRUG COPPER, BLACK PE JACKET
1	DS114EZDF	114EZ DIN FEMALE CONNECTOR
5	DSSG11406B2A	SG114-06B2A 1-1/4" SURE GROUND GROUNDING KIT
1	DSL6SGRIP	L6SGRIP 1-1/4" SUPPORT HOIST GRIP
7	TDN7519	42396A-1 1-1/4" CABLE HANGER KIT STAINLESS
1	DSTSXDCEM	RF SPD, 698 MHz-2.7 GHz, 60VDC PASS, DIN, MALE/FEM PIM/PIP RATED, ASIG
25	L1702	FSJ4-50B CABLE: 1/2" SUPERFLEX POLY JKT PER FOOT
1	DDN9682	F4PNMV2-HC 1/2" TYPE N MALE PLATED CONNECTOR
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
1	DDN9743	TK-TW TORQUE WRENCH KIT FOR 7-16 DIN & TYPE N COUPLING NUTS

4.5.2.5.2 CCWD

QTY	NOMENCLATURE	DESCRIPTION
1	SQM01SUM7054	GTR 8000 EXPANDABLE SITE SUBSYSTEM
1	CA00855AA	ADD: 700/800 MHz
1	X303AE	ADD: QTY (3) GTR 8000 BASE RADIOS
3	X591AE	ENH: ASTRO 25 SITE REPEATER SW
2	CA01706AA	ADD: ADD: GGM 8000 GATEWAY
2	CA01842AA	ADD: P25 TDMA SOFTWARE
1	CA00861AA	ADD: CABINET RMC W/CAPABILITY OF 6 BRS
1	CA00879AA	ADD: PRIMARY 6 PORT CAVITY COMBINER
1	CA00883AA	ADD: 800 MHz TX FILTER W/PMU
2	CA00303AA	ADD: QTY (1) SITE CONTROLLER
2	CA02219AA	ADD: ASTRO 25 SITE REPEATER SITE CONTROLLER SOFTWARE IV&D
1	X882AH	ADD: 7.5 FT OPEN RACK, 48RU
1	CA02686AA	ADD: AC DC POWER DISTRIBUTION
3	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
3	CA03111AA	ADD: CEC COMPLIANCE

1	DSSC479HF1LDF	COLLINEAR OMNI ANTENNA, 9.5 DBD GAIN, LOW PIM, HD, 746-869 MHz
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
200	L3599	AVA6-50 CABLE: 1-1/4" AVA6-50, COAX CORRUG COPPER, BLACK PE JACKET
2	DS114EZDF	114EZ DIN FEMALE CONNECTOR
5	DSSG11406B2A	SG114-06B2A 1-1/4" SURE GROUND GROUNDING KIT
1	DSL6SGRIP	L6SGRIP 1-1/4" SUPPORT HOIST GRIP
7	TDN7519	42396A-1 1-1/4" CABLE HANGER KIT STAINLESS
1	DSTSXD FMBF	RF SPD, 698-2700MHZ DC BLOCK HIGH PWR, DIN FEM/MALE BI-DIR W/BACKET
1	DSGSAKITD	GROUND STRAP KIT - DIN
25	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
1	DDN9743	TK-TW TORQUE WRENCH KIT FOR 7-16 DIN & TYPE N COUPLING NUTS
1	DSSC479HF1LDF	COLLINEAR OMNI ANTENNA, 9.5 DBD GAIN, LOW PIM, HD, 746-869 MHz
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
200	L3599	AVA6-50 CABLE: 1-1/4" AVA6-50, COAX CORRUG COPPER, BLACK PE JACKET
1	DS114EZDF	114EZ DIN FEMALE CONNECTOR
5	DSSG11406B2A	SG114-06B2A 1-1/4" SURE GROUND GROUNDING KIT
1	DSL6SGRIP	L6SGRIP 1-1/4" SUPPORT HOIST GRIP
7	TDN7519	42396A-1 1-1/4" CABLE HANGER KIT STAINLESS
1	DSTSXD CDFM	RF SPD, 698 MHz-2.7 GHz, 60VDC PASS, DIN, MALE/FEM PIM/PIP RATED, ASIG
25	L1702	FSJ4-50B CABLE: 1/2" SUPERFLEX POLY JKT PER FOOT
1	DDN9682	F4PNMV2-HC 1/2" TYPE N MALE PLATED CONNECTOR
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
1	DDN9743	TK-TW TORQUE WRENCH KIT FOR 7-16 DIN & TYPE N COUPLING NUTS

4.5.2.5.3 Marcial Peak

QTY	NOMENCLATURE	DESCRIPTION
1	SQM01SUM7054	GTR 8000 EXPANDABLE SITE SUBSYSTEM
1	CA00855AA	ADD: 700/800 MHz
1	X303AE	ADD: QTY (3) GTR 8000 BASE RADIOS
3	X591AE	ENH: ASTRO 25 SITE REPEATER SW
2	CA01706AA	ADD: ADD: GGM 8000 GATEWAY
2	CA01842AA	ADD: P25 TDMA SOFTWARE
1	CA00861AA	ADD: CABINET RMC W/CAPABILITY OF 6 BRS
1	CA00879AA	ADD: PRIMARY 6 PORT CAVITY COMBINER
1	CA00883AA	ADD: 800 MHz TX FILTER W/PMU
2	CA00303AA	ADD: QTY (1) SITE CONTROLLER
2	CA02219AA	ADD: ASTRO 25 SITE REPEATER SITE CONTROLLER SOFTWARE IV&D
1	X882AH	ADD: 7.5 FT OPEN RACK, 48RU
1	CA02686AA	ADD: AC DC POWER DISTRIBUTION
3	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
3	CA03111AA	ADD: CEC COMPLIANCE
1	DSSC479HF1LDF	COLLINEAR OMNI ANTENNA, 9.5 DBD GAIN, LOW PIM, HD, 746-869 MHz
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
200	L3599	AVA6-50 CABLE: 1-1/4" AVA6-50, COAX CORRUG COPPER, BLACK PE JACKET
2	DS114EZDF	114EZ DIN FEMALE CONNECTOR
5	DSSG11406B2A	SG114-06B2A 1-1/4" SURE GROUND GROUNDING KIT
1	DSL6SGRIP	L6SGRIP 1-1/4" SUPPORT HOIST GRIP
7	TDN7519	42396A-1 1-1/4" CABLE HANGER KIT STAINLESS
1	DSTSXD FMBF	RF SPD, 698-2700MHZ DC BLOCK HIGH PWR, DIN FEM/MALE BI-DIR W/BRACKET
1	DSGSAKITD	GROUND STRAP KIT - DIN
25	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
1	DDN9743	TK-TW TORQUE WRENCH KIT FOR 7-16 DIN & TYPE N COUPLING NUTS
1	DSSC479HF1LDF	COLLINEAR OMNI ANTENNA, 9.5 DBD GAIN, LOW PIM, HD, 746-869 MHz
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING

200	L3599	AVA6-50 CABLE: 1-1/4" AVA6-50, COAX CORRUG COPPER, BLACK PE JACKET
1	DS114EZDF	114EZ DIN FEMALE CONNECTOR
5	DSSG11406B2A	SG114-06B2A 1-1/4" SURE GROUND GROUNDING KIT
1	DSL6SGRIP	L6SGRIP 1-1/4" SUPPORT HOIST GRIP
7	TDN7519	42396A-1 1-1/4" CABLE HANGER KIT STAINLESS
1	DSTSXCDFM	RF SPD, 698 MHz-2.7 GHz, 60VDC PASS, DIN, MALE/FEM PIM/PIP RATED, ASIG
25	L1702	FSJ4-50B CABLE: 1/2" SUPERFLEX POLY JKT PER FOOT
1	DDN9682	F4PNMV2-HC 1/2" TYPE N MALE PLATED CONNECTOR
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
1	DDN9743	TK-TW TORQUE WRENCH KIT FOR 7-16 DIN & TYPE N COUPLING NUTS

4.5.2.5.4 Kings Mountain

QTY	NOMENCLATURE	DESCRIPTION
1	SQM01SUM7054	GTR 8000 EXPANDABLE SITE SUBSYSTEM
1	CA00855AA	ADD: 700/800 MHz
1	X303AE	ADD: QTY (3) GTR 8000 BASE RADIOS
3	X591AE	ENH: ASTRO 25 SITE REPEATER SW
2	CA01706AA	ADD: ADD: GGM 8000 GATEWAY
2	CA01842AA	ADD: P25 TDMA SOFTWARE
1	CA00861AA	ADD: CABINET RMC W/CAPABILITY OF 6 BRS
1	CA00879AA	ADD: PRIMARY 6 PORT CAVITY COMBINER
1	CA00883AA	ADD: 800 MHz TX FILTER W/PMU
2	CA00303AA	ADD: QTY (1) SITE CONTROLLER
2	CA02219AA	ADD: ASTRO 25 SITE REPEATER SITE CONTROLLER SOFTWARE IV&D
1	X882AH	ADD: 7.5 FT OPEN RACK, 48RU
1	CA02686AA	ADD: AC DC POWER DISTRIBUTION
3	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
3	CA03111AA	ADD: CEC COMPLIANCE
1	DSSC479HF1LDF	COLLINEAR OMNI ANTENNA, 9.5 DBD GAIN, LOW PIM, HD, 746-869 MHz
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
200	L3599	AVA6-50 CABLE: 1-1/4" AVA6-50, COAX CORRUG COPPER, BLACK PE JACKET
2	DS114EZDF	114EZ DIN FEMALE CONNECTOR
5	DSSG11406B2A	SG114-06B2A 1-1/4" SURE GROUND GROUNDING KIT
1	DSL6SGRIP	L6SGRIP 1-1/4" SUPPORT HOIST GRIP
7	TDN7519	42396A-1 1-1/4" CABLE HANGER KIT STAINLESS

1	DSTSXFMBF	RF SPD, 698-2700MHZ DC BLOCK HIGH PWR, DIN FEM/MALE BI-DIR W/BACKET
1	DSGSAKITD	GROUND STRAP KIT - DIN
25	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
1	DDN9743	TK-TW TORQUE WRENCH KIT FOR 7-16 DIN & TYPE N COUPLING NUTS
1	DSSC479HF1LDF	COLLINEAR OMNI ANTENNA, 9.5 DBD GAIN, LOW PIM, HD, 746-869 MHz
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
200	L3599	AVA6-50 CABLE: 1-1/4" AVA6-50, COAX CORRUG COPPER, BLACK PE JACKET
1	DS114EZDF	114EZ DIN FEMALE CONNECTOR
5	DSSG11406B2A	SG114-06B2A 1-1/4" SURE GROUND GROUNDING KIT
1	DSL6SGRIP	L6SGRIP 1-1/4" SUPPORT HOIST GRIP
7	TDN7519	42396A-1 1-1/4" CABLE HANGER KIT STAINLESS
1	DSTSXDCDFM	RF SPD, 698 MHz-2.7 GHz, 60VDC PASS, DIN, MALE/FEM PIM/PIP RATED, ASIG
25	L1702	FSJ4-50B CABLE: 1/2" SUPERFLEX POLY JKT PER FOOT
1	DDN9682	F4PNMV2-HC 1/2" TYPE N MALE PLATED CONNECTOR
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
1	DDN9743	TK-TW TORQUE WRENCH KIT FOR 7-16 DIN & TYPE N COUPLING NUTS

4.5.2.5.5 Sawyer Ridge

QTY	NOMENCLATURE	DESCRIPTION
1	SQM01SUM7054	GTR 8000 EXPANDABLE SITE SUBSYSTEM
1	CA00855AA	ADD: 700/800 MHz
1	X303AE	ADD: QTY (3) GTR 8000 BASE RADIOS
3	X591AE	ENH: ASTRO 25 SITE REPEATER SW
2	CA01706AA	ADD: ADD: GGM 8000 GATEWAY
2	CA01842AA	ADD: P25 TDMA SOFTWARE
1	CA00861AA	ADD: CABINET RMC W/CAPABILITY OF 6 BRS
1	CA00879AA	ADD: PRIMARY 6 PORT CAVITY COMBINER
1	CA00883AA	ADD: 800 MHz TX FILTER W/PMU
2	CA00303AA	ADD: QTY (1) SITE CONTROLLER
2	CA02219AA	ADD: ASTRO 25 SITE REPEATER SITE CONTROLLER SOFTWARE IV&D
1	X882AH	ADD: 7.5 FT OPEN RACK, 48RU
1	CA02686AA	ADD: AC DC POWER DISTRIBUTION

3	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
3	CA03111AA	ADD: CEC COMPLIANCE
1	DSSC479HF1LDF	COLLINEAR OMNI ANTENNA, 9.5 DBD GAIN, LOW PIM, HD, 746-869 MHz
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
200	L3599	AVA6-50 CABLE: 1-1/4" AVA6-50, COAX CORRUG COPPER, BLACK PE JACKET
2	DS114EZDF	114EZ DIN FEMALE CONNECTOR
5	DSSG11406B2A	SG114-06B2A 1-1/4" SURE GROUND GROUNDING KIT
1	DSL6SGRIP	L6SGRIP 1-1/4" SUPPORT HOIST GRIP
7	TDN7519	42396A-1 1-1/4" CABLE HANGER KIT STAINLESS
1	DSTSXD FMBF	RF SPD, 698-2700MHZ DC BLOCK HIGH PWR, DIN FEM/MALE BI-DIR W/BRACKET
1	DSGSAKITD	GROUND STRAP KIT - DIN
25	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
1	DDN9743	TK-TW TORQUE WRENCH KIT FOR 7-16 DIN & TYPE N COUPLING NUTS
1	DSSC479HF1LDF	COLLINEAR OMNI ANTENNA, 9.5 DBD GAIN, LOW PIM, HD, 746-869 MHz
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
200	L3599	AVA6-50 CABLE: 1-1/4" AVA6-50, COAX CORRUG COPPER, BLACK PE JACKET
1	DS114EZDF	114EZ DIN FEMALE CONNECTOR
5	DSSG11406B2A	SG114-06B2A 1-1/4" SURE GROUND GROUNDING KIT
1	DSL6SGRIP	L6SGRIP 1-1/4" SUPPORT HOIST GRIP
7	TDN7519	42396A-1 1-1/4" CABLE HANGER KIT STAINLESS
1	DSTSXD CDFM	RF SPD, 698 MHz-2.7 GHz, 60VDC PASS, DIN, MALE/FEM PIM/PIP RATED, ASIG
25	L1702	FSJ4-50B CABLE: 1/2" SUPERFLEX POLY JKT PER FOOT
1	DDN9682	F4PNMV2-HC 1/2" TYPE N MALE PLATED CONNECTOR
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
1	DDN9743	TK-TW TORQUE WRENCH KIT FOR 7-16 DIN & TYPE N COUPLING NUTS

4.5.2.5.6 Spare Equipment

QTY	NOMENCLATURE	DESCRIPTION
2	CDN6673	CREATIVE LABS INSPIRE A60
1	TT3106	Z440 WORKSTATION WINDOWS 10 IOT ENT (NON RETURNABLE)
1	CLN1856	2620-24 ETHERNET SWITCH
1	SQM01SUM0205	GGM 8000 GATEWAY
1	CA01616AA	ADD: AC POWER
1	DSTRAK91061	FOUR PORT DDM
1	CLN1859	2620-48 ETHERNET SWITCH
3	DLN6966	FRU: GCP 8000/GCM 8000/GPB 8000
3	DLN6781	FRU: POWER SUPPLY
3	DLN6898	FRU: FAN MODULE
2	SQM01SUM0205	GGM 8000 GATEWAY
2	CA01619AA	ADD: DC POWER
3	DLN6885	FRU: XCVR 7/800 MHz V2
3	DLN6895	FRU: PA 7/800 MHz
1	DSTRAK91202	AC INPUT POWER SUPPLY MODULE
1	SQM01SUM0205	GGM 8000 GATEWAY
1	CA01616AA	ADD: AC POWER
1	CA02086AA	ADD: HIGH DENSITY ENH CONV GATEWAY
1	TT3106	Z440 WORKSTATION WINDOWS 10 IOT ENT (NON RETURNABLE)
1	CDN6673	CREATIVE LABS INSPIRE A60
1	DDN1396	USB DUAL ACTION FOOTSWITCH W/INPUT JACK KINESIS
1	B1941	USB AUDIO INTERFACE MODULE
2	B1913	MCC SERIES HEADSET JACK
1	B1914	MCC SERIES DESKTOP GOOSENECK MICROPHONE
1	DSTWIN6328A	PROVIDES ONE DUAL PEDAL FOOTSWITCH FOR USE WITH MOTOROLA MCC 7500 DISP
1	T7885	MCAFEES WINDOWS AV CLIENT
1	DSTG191	TECH GLOBAL EVOLUTION SERIES 19INCH NON TOUCH
2	DSSC479HF1LDF	COLLINEAR OMNI ANTENNA, 9.5 DBD GAIN, LOW PIM, HD, 746-869 MHz
2	DSTSXDCEFM	RF SPD, 698 MHz-2.7 GHz, 60VDC PASS, DIN, MALE/FEM PIM/PIP RATED, ASIG

4.5.3 Selected Optional Equipment List

4.5.3.1 Poopenaut Simulcast Site

QTY	NOMENCLATURE	DESCRIPTION
1	SQM01SUM0273	MASTER SITE CONFIGURATION
1	UA00153AA	ADD: ASTRO 25 FDMA SITE LICENSE
1	CA02206AA	ADD: SIMULCAST REMOTE SITE LICENSE IV&D
1	CA02206AA	ADD: SIMULCAST REMOTE SITE LICENSE IV&D
1	CA02206AA	ADD: SIMULCAST REMOTE SITE LICENSE IV&D
1	SQM01SUM7054	GTR 8000 EXPANDABLE SITE SUBSYSTEM
1	CA00855AA	ADD: 700/800 MHz
1	X303AE	ADD: QTY (3) GTR 8000 BASE RADIOS
3	CA01193AA	IP BASED MULTISITE BASE RADIO SOFTWARE
2	CA01842AA	ADD: P25 TDMA SOFTWARE
1	CA00861AA	ADD: CABINET RMC W/CAPABILITY OF 6 BRS
1	CA00879AA	ADD: PRIMARY 6 PORT CAVITY COMBINER
1	CA00883AA	ADD: 800 MHz TX FILTER W/PMU
2	CA01536AA	GPB 8000 REFERENCE DISTRIBUTION MODULE
2	CA01537AA	ADD: REFERENCE DISTRIBUTION SOFTWARE
1	X882AH	ADD: 7.5 FT OPEN RACK, 48RU
1	CA02686AA	ADD: AC DC POWER DISTRIBUTION
3	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
3	CA03111AA	ADD: CEC COMPLIANCE
2	CA01706AA	ADD: ADD: GGM 8000 GATEWAY
1	DLN6455	CONFIGURATION/SERVICE SOFTWARE
1	DLN6455	CONFIGURATION/SERVICE SOFTWARE
1	DSSC479HF1LDFD4	COLLINEAR OMNI 9.5 DBD, LOW PIM, 4 DEG DT, HD, 746-869 MHz, DIN-FEMALE
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
200	DSAVA550	AVA5-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET
2	DSA5DFD	D-CLASS 7-16 DIN FEMALE FOR AVA5-50 CABLE
5	DSSG7806B2A	SG78-06B2A GROUNDING KIT FOR 7/8 IN COAXIAL CABLE
1	DSL5SGRIP	L5SGRIP 7/8" SUPPORT HOIST GRIP
7	MDN6817	42396A-5 7/8" CABLE HANGER STAINLESS, 10 PK

1	DSTSXDfMBF	RF SPD, 698-2700MHZ DC BLOCK HIGH PWR, DIN FEM/MALE BI-DIR W/BRACKET
1	DSGSAKITD	GROUND STRAP KIT - DIN
25	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
1	DSSC479HF1LDFD02	COLLINEAR OMNI ANTENNA, 9.5 DBD GAIN, HD, 746-869 MHz, DT 2 DEG
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
200	DSAVA550	AVA5-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET
2	DSA5NFS	N FEMALE FOR AVA5-50 CABLE
5	DSSG7806B2A	SG78-06B2A GROUNDING KIT FOR 7/8 IN COAXIAL CABLE
1	DSL5SGRIP	L5SGRIP 7/8" SUPPORT HOIST GRIP
7	MDN6817	42396A-5 7/8" CABLE HANGER STAINLESS, 10 PK
1	DS1090501WA	RF SPD, 700-1000MHZ BROADBAND 15 VDC PASS NM ANT, NF EQUIP PIP, ASIG
25	L1702	FSJ4-50B CABLE: 1/2" SUPERFLEX POLY JKT PER FOOT
2	DDN9682	F4PNMV2-HC 1/2" TYPE N MALE PLATED CONNECTOR

4.5.3.2 SVWTP Conventional Repeater Site

QTY	NOMENCLATURE	DESCRIPTION
1	F4544	SITE MANAGER ADVANCED
1	VA00905	ADD:24/48 VDC PS TO SM
1	VA00872	ADD: SDM ASTRO RTU FW CURR ASTRO REL
3	V592	AAD TERM BLCK & CONN WI
1	F2463	RTU_PER_DEVICE_SW_LICENSES
5	V839	RTU_SW_LIC_PER_NFM-RTU_I-O
1	SQM01SUM0205	GGM 8000 GATEWAY
1	CA01616AA	ADD: AC POWER
1	CLN1856	2620-24 ETHERNET SWITCH
1	T7039	GTR 8000 Base Radio
1	CA00855AA	ADD: 700/800 MHz
1	CA01948AA	ADD: CONVENTIONAL SOFTWARE
1	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
1	CA03111AA	ADD: CEC COMPLIANCE

1	X182BX	ADD: DUPLEXER, 800 MHz
1	X153AW	ADD: RACK MOUNT HARDWARE
1	DSSC479HF1LDFD4	COLLINEAR OMNI 9.5 DBD, LOW PIM, 4 DEG DT, HD, 746-869 MHz, DIN-FEMALE
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
200	DSAVA550	AVA5-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET
2	DSA5DFD	D-CLASS 7-16 DIN FEMALE FOR AVA5-50 CABLE
5	DSSG7806B2A	SG78-06B2A GROUNDING KIT FOR 7/8 IN COAXIAL CABLE
1	DSL5SGRIP	L5SGRIP 7/8" SUPPORT HOIST GRIP
7	MDN6817	42396A-5 7/8" CABLE HANGER STAINLESS, 10 PK
1	DSTSXDfMBF	RF SPD, 698-2700MHZ DC BLOCK HIGH PWR, DIN FEM/MALE BI-DIR W/BACKET
1	DSGSAKITD	GROUND STRAP KIT - DIN
25	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE

4.5.3.3 Intake Radio Site Conventional Repeater Site

QTY	NOMENCLATURE	DESCRIPTION
1	F4544	SITE MANAGER ADVANCED
1	VA00905	ADD:24/48 VDC PS TO SM
1	VA00872	ADD: SDM ASTRO RTU FW CURR ASTRO REL
3	V592	AAD TERM BLCK & CONN WI
1	F2463	RTU_PER_DEVICE_SW_LICENSES
5	V839	RTU_SW_LIC_PER_NFM-RTU_I-O
1	SQM01SUM0205	GGM 8000 GATEWAY
1	CA01616AA	ADD: AC POWER
1	CLN1856	2620-24 ETHERNET SWITCH
1	T7039	GTR 8000 Base Radio
1	CA00855AA	ADD: 700/800 MHz
1	CA01948AA	ADD: CONVENTIONAL SOFTWARE
1	CA01953AA	ADD: POWER EFFICIENCY PACKAGE
1	CA03111AA	ADD: CEC COMPLIANCE
1	X182BX	ADD: DUPLEXER, 800 MHz
1	X153AW	ADD: RACK MOUNT HARDWARE
1	DSSC479HF1LDFD4	COLLINEAR OMNI 9.5 DBD, LOW PIM, 4 DEG DT, HD, 746-869 MHz, DIN-

		FEMALE
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
200	DSAVA550	AVA5-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET
2	DSA5DFD	D-CLASS 7-16 DIN FEMALE FOR AVA5-50 CABLE
5	DSSG7806B2A	SG78-06B2A GROUNDING KIT FOR 7/8 IN COAXIAL CABLE
1	DSL5SGRIP	L5SGRIP 7/8" SUPPORT HOIST GRIP
7	MDN6817	42396A-5 7/8" CABLE HANGER STAINLESS, 10 PK
1	DSTSXDFFMBF	RF SPD, 698-2700MHZ DC BLOCK HIGH PWR, DIN FEM/MALE BI-DIR W/BACKET
1	DSGSAKITD	GROUND STRAP KIT - DIN
25	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE

4.5.3.4 Fixed DVRS Repeater Sites

4.5.3.4.1 Subscriber DVRS Activation

QTY	NOMENCLATURE	DESCRIPTIO N
540	QA00631	ADD: DVRS PSU ACTIVATION

4.5.3.4.2 San Antonio Watershed Cottage

QTY	NOMENCLATURE	DESCRIPTIO N
1	TT1259	800 MHz DVR SIDE-BY-SIDE IN-BAND APPLICATION C
1	TT05715AA	DVR/VRX FOR USE WITH SINGLE BAND APX MOBILE
1	TT06075AA	ADD: STANDARD 120VAC POWER SUPPLY F
1	HAF4016	ANTENNA (762-870 MHz) 1/4 WAVE
1	DDN1576	DVR PROGRAMMING SOFTWARE FOR APX DVRS
1	DDN2087	DVR IN-BAND 4 YEAR EXTENDED WARRANT
1	DQDVR1017	DVRS FIXED MOUNT HIGH STABILITY OSCILLATOR MANDATORY OPTION
1	M25URS9PW1 N	APX 6500 7/800 MHz MID POWER MOBILE
1	G806	ADD: ASTRO DIGITAL CAI OPERATION
1	G51	ENH: SMARTZONE OPERATION APX 6500
1	G361	ADD: P25 TRUNKING SOFTWARE

1	GA00631	ADD: DVRS MSU ACTIVATION
1	G442	ADD: O5 CONTROL HEAD
1	G444	ADD: APX CONTROL HEAD SOFTWARE
1	G67	ADD: REMOTE MOUNT MID POWER
1	G90	ADD: NO MICROPHONE NEEDED
1	GA00317	ENH: CANADA 5 YR SFS LITE
1	DSSC433HF1LDF	LOW PIM COLLINEAR OMNI, 2.5 DB GAIN, HEAVY DUTY 806-869 MHz
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
100	DSAVA550	AVA5-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET
2	DSA5DFD	D-CLASS 7-16 DIN FEMALE FOR AVA5-50 CABLE
5	DSSG7806B2A	SG78-06B2A GROUNDING KIT FOR 7/8 IN COAXIAL CABLE
1	DSL5SGRIP	L5SGRIP 7/8" SUPPORT HOIST GRIP
7	MDN6817	42396A-5 7/8" CABLE HANGER STAINLESS, 10 PK
1	DSTSXFMBF	RF SPD, 698-2700MHZ DC BLOCK HIGH PWR, DIN FEM/MALE BI-DIR W/BRACKET
1	DSGSAKITD	GROUND STRAP KIT - DIN
25	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
1	DSSC433HF1LDF	LOW PIM COLLINEAR OMNI, 2.5 DB GAIN, HEAVY DUTY 806-869 MHz
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
100	DSAVA550	AVA5-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET
2	DSA5DFD	D-CLASS 7-16 DIN FEMALE FOR AVA5-50 CABLE
5	DSSG7806B2A	SG78-06B2A GROUNDING KIT FOR 7/8 IN COAXIAL CABLE
1	DSL5SGRIP	L5SGRIP 7/8" SUPPORT HOIST GRIP
7	MDN6817	42396A-5 7/8" CABLE HANGER STAINLESS, 10 PK
1	DSTSXFMBF	RF SPD, 698-2700MHZ DC BLOCK HIGH PWR, DIN FEM/MALE BI-DIR W/BRACKET
1	DSGSAKITD	GROUND STRAP KIT - DIN
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE

4.5.3.4.3 San Andreas Cottage

QTY	NOMENCLATURE	DESCRIPTION
1	TT1259	800 MHz DVR SIDE-BY-SIDE IN-BAND APPLICATION C
1	TT05715AA	DVR/VRX FOR USE WITH SINGLE BAND APX MOBILE
1	TT06075AA	ADD: STANDARD 120VAC POWER SUPPLY F
1	HAF4016	ANTENNA (762-870 MHz) 1/4 WAVE
1	DDN1576	DVR PROGRAMMING SOFTWARE FOR APX DVRS
1	DDN2087	DVR IN-BAND 4 YEAR EXTENDED WARRANTY
1	DQDVR1017	DVRS FIXED MOUNT HIGH STABILITY OSCILLATOR MANDATORY OPTION
1	M25URS9PW1 N	APX 6500 7/800 MHz MID POWER MOBILE
1	G806	ADD: ASTRO DIGITAL CAI OPERATION
1	G51	ENH: SMARTZONE OPERATION APX 6500
1	G361	ADD: P25 TRUNKING SOFTWARE
1	GA00631	ADD: DVRS MSU ACTIVATION
1	G442	ADD: O5 CONTROL HEAD
1	G444	ADD: APX CONTROL HEAD SOFTWARE
1	G67	ADD: REMOTE MOUNT MID POWER
1	G90	ADD: NO MICROPHONE NEEDED
1	GA00317	ENH: CANADA 5 YR SFS LITE
1	DSSC433HF1LDF	LOW PIM COLLINEAR OMNI, 2.5 DB GAIN, HEAVY DUTY 806-869 MHz
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
100	DSAVA550	AVA5-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET
2	DSA5DFD	D-CLASS 7-16 DIN FEMALE FOR AVA5-50 CABLE
5	DSSG7806B2A	SG78-06B2A GROUNDING KIT FOR 7/8 IN COAXIAL CABLE
1	DSL5SGRIP	L5SGRIP 7/8" SUPPORT HOIST GRIP
7	MDN6817	42396A-5 7/8" CABLE HANGER STAINLESS, 10 PK
1	DSTSXFMBF	RF SPD, 698-2700MHZ DC BLOCK HIGH PWR, DIN FEM/MALE BI-DIR W/BACKET
1	DSGSAKITD	GROUND STRAP KIT - DIN
25	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
1	DSSC433HF1LDF	LOW PIM COLLINEAR OMNI, 2.5 DB GAIN, HEAVY DUTY 806-869 MHz
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE

2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
100	DSAVA550	AVA5-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET
2	DSA5DFD	D-CLASS 7-16 DIN FEMALE FOR AVA5-50 CABLE
5	DSSG7806B2A	SG78-06B2A GROUNDING KIT FOR 7/8 IN COAXIAL CABLE
1	DSL5SGRIP	L5SGRIP 7/8" SUPPORT HOIST GRIP
7	MDN6817	42396A-5 7/8" CABLE HANGER STAINLESS, 10 PK
1	DSTSXFMBF	RF SPD, 698-2700MHZ DC BLOCK HIGH PWR, DIN FEM/MALE BI-DIR W/BRACKET
1	DSGSAKITD	GROUND STRAP KIT - DIN
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE

4.5.3.4.4 Sawyer Camp Cottage

QTY	NOMENCLATURE	DESCRIPTION
1	TT1259	800 MHz DVR SIDE-BY-SIDE IN-BAND APPLICATION C
1	TT05715AA	DVR/VRX FOR USE WITH SINGLE BAND APX MOBILE
1	TT06075AA	ADD: STANDARD 120VAC POWER SUPPLY F
1	HAF4016	ANTENNA (762-870 MHz) 1/4 WAVE
1	DDN1576	DVR PROGRAMMING SOFTWARE FOR APX DVRS
1	DDN2087	DVR IN-BAND 4 YEAR EXTENDED WARRANT
1	DQDVR1017	DVRS FIXED MOUNT HIGH STABILITY OSCILLATOR MANDATORY OPTION
1	M25URS9PW1 N	APX 6500 7/800 MHz MID POWER MOBILE
1	G806	ADD: ASTRO DIGITAL CAI OPERATION
1	G51	ENH: SMARTZONE OPERATION APX 6500
1	G361	ADD: P25 TRUNKING SOFTWARE
1	GA00631	ADD: DVRS MSU ACTIVATION
1	G442	ADD: O5 CONTROL HEAD
1	G444	ADD: APX CONTROL HEAD SOFTWARE
1	G67	ADD: REMOTE MOUNT MID POWER
1	G90	ADD: NO MICROPHONE NEEDED
1	GA00317	ENH: CANADA 5 YR SFS LITE
1	DSSC433HF1LDF	LOW PIM COLLINEAR OMNI, 2.5 DB GAIN, HEAVY DUTY 806-869 MHz
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
100	DSAVA550	AVA5-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET

2	DSA5DFD	D-CLASS 7-16 DIN FEMALE FOR AVA5-50 CABLE
5	DSSG7806B2A	SG78-06B2A GROUNDING KIT FOR 7/8 IN COAXIAL CABLE
1	DSL5SGRIP	L5SGRIP 7/8" SUPPORT HOIST GRIP
7	MDN6817	42396A-5 7/8" CABLE HANGER STAINLESS, 10 PK
1	DSTSXFMBF	RF SPD, 698-2700MHZ DC BLOCK HIGH PWR, DIN FEM/MALE BI-DIR W/BRACKET
1	DSGSAKITD	GROUND STRAP KIT - DIN
25	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
1	DSSC433HF1LDF	LOW PIM COLLINEAR OMNI, 2.5 DB GAIN, HEAVY DUTY 806-869 MHz
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
100	DSAVA550	AVA5-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET
2	DSA5DFD	D-CLASS 7-16 DIN FEMALE FOR AVA5-50 CABLE
5	DSSG7806B2A	SG78-06B2A GROUNDING KIT FOR 7/8 IN COAXIAL CABLE
1	DSL5SGRIP	L5SGRIP 7/8" SUPPORT HOIST GRIP
7	MDN6817	42396A-5 7/8" CABLE HANGER STAINLESS, 10 PK
1	DSTSXFMBF	RF SPD, 698-2700MHZ DC BLOCK HIGH PWR, DIN FEM/MALE BI-DIR W/BRACKET
1	DSGSAKITD	GROUND STRAP KIT - DIN
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE

4.5.3.4.5 Upper CS Cottage

QTY	NOMENCLATURE	DESCRIPTION
1	TT1259	800 MHz DVR SIDE-BY-SIDE IN-BAND APPLICATION C
1	TT05715AA	DVR/VRX FOR USE WITH SINGLE BAND APX MOBILE
1	TT06075AA	ADD: STANDARD 120VAC POWER SUPPLY F
1	HAF4016	ANTENNA (762-870 MHz) 1/4 WAVE
1	DDN1576	DVR PROGRAMMING SOFTWARE FOR APX DVRS
1	DDN2087	DVR IN-BAND 4 YEAR EXTENDED WARRANTY
1	DQDV1017	DVRS FIXED MOUNT HIGH STABILITY OSCILLATOR MANDATORY OPTION
1	M25URS9PW1 N	APX 6500 7/800 MHz MID POWER MOBILE
1	G806	ADD: ASTRO DIGITAL CAI OPERATION

1	G51	ENH: SMARTZONE OPERATION APX 6500
1	G361	ADD: P25 TRUNKING SOFTWARE
1	GA00631	ADD: DVRS MSU ACTIVATION
1	G442	ADD: O5 CONTROL HEAD
1	G444	ADD: APX CONTROL HEAD SOFTWARE
1	G67	ADD: REMOTE MOUNT MID POWER
1	G90	ADD: NO MICROPHONE NEEDED
1	GA00317	ENH: CANADA 5 YR SFS LITE
1	DSSC433HF1LDF	LOW PIM COLLINEAR OMNI, 2.5 DB GAIN, HEAVY DUTY 806-869 MHz
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
100	DSAVA550	AVA5-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET
2	DSA5DFD	D-CLASS 7-16 DIN FEMALE FOR AVA5-50 CABLE
5	DSSG7806B2A	SG78-06B2A GROUNDING KIT FOR 7/8 IN COAXIAL CABLE
1	DSL5SGRIP	L5SGRIP 7/8" SUPPORT HOIST GRIP
7	MDN6817	42396A-5 7/8" CABLE HANGER STAINLESS, 10 PK
1	DSTSXFMBF	RF SPD, 698-2700MHZ DC BLOCK HIGH PWR, DIN FEM/MALE BI-DIR W/BRACKET
1	DSGSAKITD	GROUND STRAP KIT - DIN
25	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
1	DSSC433HF1LDF	LOW PIM COLLINEAR OMNI, 2.5 DB GAIN, HEAVY DUTY 806-869 MHz
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
100	DSAVA550	AVA5-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET
2	DSA5DFD	D-CLASS 7-16 DIN FEMALE FOR AVA5-50 CABLE
5	DSSG7806B2A	SG78-06B2A GROUNDING KIT FOR 7/8 IN COAXIAL CABLE
1	DSL5SGRIP	L5SGRIP 7/8" SUPPORT HOIST GRIP
7	MDN6817	42396A-5 7/8" CABLE HANGER STAINLESS, 10 PK
1	DSTSXFMBF	RF SPD, 698-2700MHZ DC BLOCK HIGH PWR, DIN FEM/MALE BI-DIR W/BRACKET
1	DSGSAKITD	GROUND STRAP KIT - DIN
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE

4.5.3.4.6 Pulgas Water Temple

QTY	NOMENCLATURE	DESCRIPTION
1	TT1259	800 MHz DVR SIDE-BY-SIDE IN-BAND APPLICATION C
1	TT05715AA	DVR/VRX FOR USE WITH SINGLE BAND APX MOBILE
1	TT06075AA	ADD: STANDARD 120VAC POWER SUPPLY F
1	HAF4016	ANTENNA (762-870 MHz) 1/4 WAVE
1	DDN1576	DVR PROGRAMMING SOFTWARE FOR APX DVRS
1	DDN2087	DVR IN-BAND 4 YEAR EXTENDED WARRANTY
1	DQDVR1017	DVRS FIXED MOUNT HIGH STABILITY OSCILLATOR MANDATORY OPTION
1	M25URS9PW1 N	APX 6500 7/800 MHz MID POWER MOBILE
1	G806	ADD: ASTRO DIGITAL CAI OPERATION
1	G51	ENH: SMARTZONE OPERATION APX 6500
1	G361	ADD: P25 TRUNKING SOFTWARE
1	GA00631	ADD: DVRS MSU ACTIVATION
1	G442	ADD: O5 CONTROL HEAD
1	G444	ADD: APX CONTROL HEAD SOFTWARE
1	G67	ADD: REMOTE MOUNT MID POWER
1	G90	ADD: NO MICROPHONE NEEDED
1	GA00317	ENH: CANADA 5 YR SFS LITE
1	DSSC433HF1LDF	LOW PIM COLLINEAR OMNI, 2.5 DB GAIN, HEAVY DUTY 806-869 MHz
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING
100	DSAVA550	AVA5-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET
2	DSA5DFD	D-CLASS 7-16 DIN FEMALE FOR AVA5-50 CABLE
5	DSSG7806B2A	SG78-06B2A GROUNDING KIT FOR 7/8 IN COAXIAL CABLE
1	DSL5SGRIP	L5SGRIP 7/8" SUPPORT HOIST GRIP
7	MDN6817	42396A-5 7/8" CABLE HANGER STAINLESS, 10 PK
1	DSTXDFMBF	RF SPD, 698-2700MHZ DC BLOCK HIGH PWR, DIN FEM/MALE BI-DIR W/BRACKET
1	DSGSAKITD	GROUND STRAP KIT - DIN
25	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
1	DSSC433HF1LDF	LOW PIM COLLINEAR OMNI, 2.5 DB GAIN, HEAVY DUTY 806-869 MHz
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
2	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE
2	TDN9289	221213 CABLE WRAP WEATHERPROOFING

100	DSAVA550	AVA5-50, COAXIAL CABLE, CORRUGATED COPPER, 7/8 IN, BLACK PE JACKET
2	DSA5DFD	D-CLASS 7-16 DIN FEMALE FOR AVA5-50 CABLE
5	DSSG7806B2A	SG78-06B2A GROUNDING KIT FOR 7/8 IN COAXIAL CABLE
1	DSL5SGRIP	L5SGRIP 7/8" SUPPORT HOIST GRIP
7	MDN6817	42396A-5 7/8" CABLE HANGER STAINLESS, 10 PK
1	DSTSXFMBF	RF SPD, 698-2700MHZ DC BLOCK HIGH PWR, DIN FEM/MALE BI-DIR W/BRACKET
1	DSGSAKITD	GROUND STRAP KIT - DIN
15	L1705	LDF4-50A CABLE: 1/2" LDF HELIAX POLY JKT PER FOOT
1	DDN1088	L4TNM-PSA TYPE N MALE PS FOR 1/2 IN CABLE
1	DDN1090	L4TDM-PSA 7-16 DIN MALE PS FOR 1/2 IN CABLE

4.5.4 Subscriber Equipment List

4.5.4.1 APX 1000+ P25 Portable Radios

QTY	NOMENCLATURE	DESCRIPTION
540	H92UCF9PW6 N	APX 1000+ 7/800 MHz TWO KNOB MODEL 2 PORTABLE
540	QA04096	ENH: P25 TRUNKING
540	QA01648	ASK - Hardware Key
540	QA00580	ADD: TDMA OPERATION
540	Q887	ADD: 5 YEAR SERVICE FROM THE START LITE
1	T7914	RADIO MANAGEMENT ONLINE
540	UA00049AA	ADD: RADIO MANAGEMENT LICENSE
540	WPLN4232A	APX1000 IMPRES SINGLE UNIT CHARGER

4.5.4.2 APX 1000+ P25 Portable Radio Options

QTY	NOMENCLATURE	DESCRIPTION
0	NNTN8128BR	SPARE BATTERY - IMPRES LI-ION 2800MAH
0	WPLN4212B	CHARGER, IMPRES MUC
0	Q629	ENH: AES ENCRYPTION

4.5.4.3 APX 1500 P25 Mobile Radios

QTY	NOMENCLATURE	DESCRIPTION
51	M36URS9PW1 N	APX1500 7/800

51	QA01648	ADD: ADVANCED SYSTEM KEY - HARDWARE KEY
51	GA01339	ENH: SW P25 TRUNKING
51	GA00580	ADD: TDMA OPERATION
51	GA00804	ADD: APX O2 CONTROL HEAD (Grey)
51	G444	ADD: APX CONTROL HEAD SOFTWARE
51	G67	ADD: REMOTE MOUNT O2 WWM
51	G335	ADD: ANT 1/4 WAVE 762-870MHZ
51	W22	ADD: PALM MICROPHONE
51	G24	3 YR WARRANTY
1	T7914	RADIO MANAGEMENT ONLINE
51	UA00049AA	ADD: RADIO MANAGEMENT LICENSE

4.5.4.4 APX 4500 P25 Mobile Radios

QTY	NOMENCLATURE	DESCRIPTION
1	M22URS9PW1 N	APX 4500 7/800 MOBILE
1	QA01648	ADD: ADVANCED SYSTEM KEY - HARDWARE KEY
1	QA02756	ADD: 3600 OR 9600 TRUNKING BAUD SINGLE SYSTEM
1	GA00580	ADD: TDMA OPERATION
1	GA00804	ADD: APX O2 CONTROL HEAD (Grey)
1	G444	ADD: APX CONTROL HEAD SOFTWARE
1	G67	ADD: REMOTE MOUNT O2 WWM
1	G335	ADD: ANT 1/4 WAVE 762-870MHZ
1	W22	ADD: PALM MICROPHONE
1	G24	3 YR WARRANTY
1	T7914	RADIO MANAGEMENT ONLINE
1	UA00049AA	ADD: RADIO MANAGEMENT LICENSE

4.5.4.5 Mobile Radios

QTY	NOMENCLATURE	DESCRIPTION
1	G843	ADD: AES ENCRYPTION APX