



Radio Communication Systems Upgrade Project



BOARD MEETING
March 9, 2009

OCTA Radio Communication Systems

500 Megahertz (MHz)



- Community Transportation Service (CTS)
- ACCESS
- Contracted Fixed Route
- Voice System
- Data Provided by Verizon

800 Megahertz (MHz)

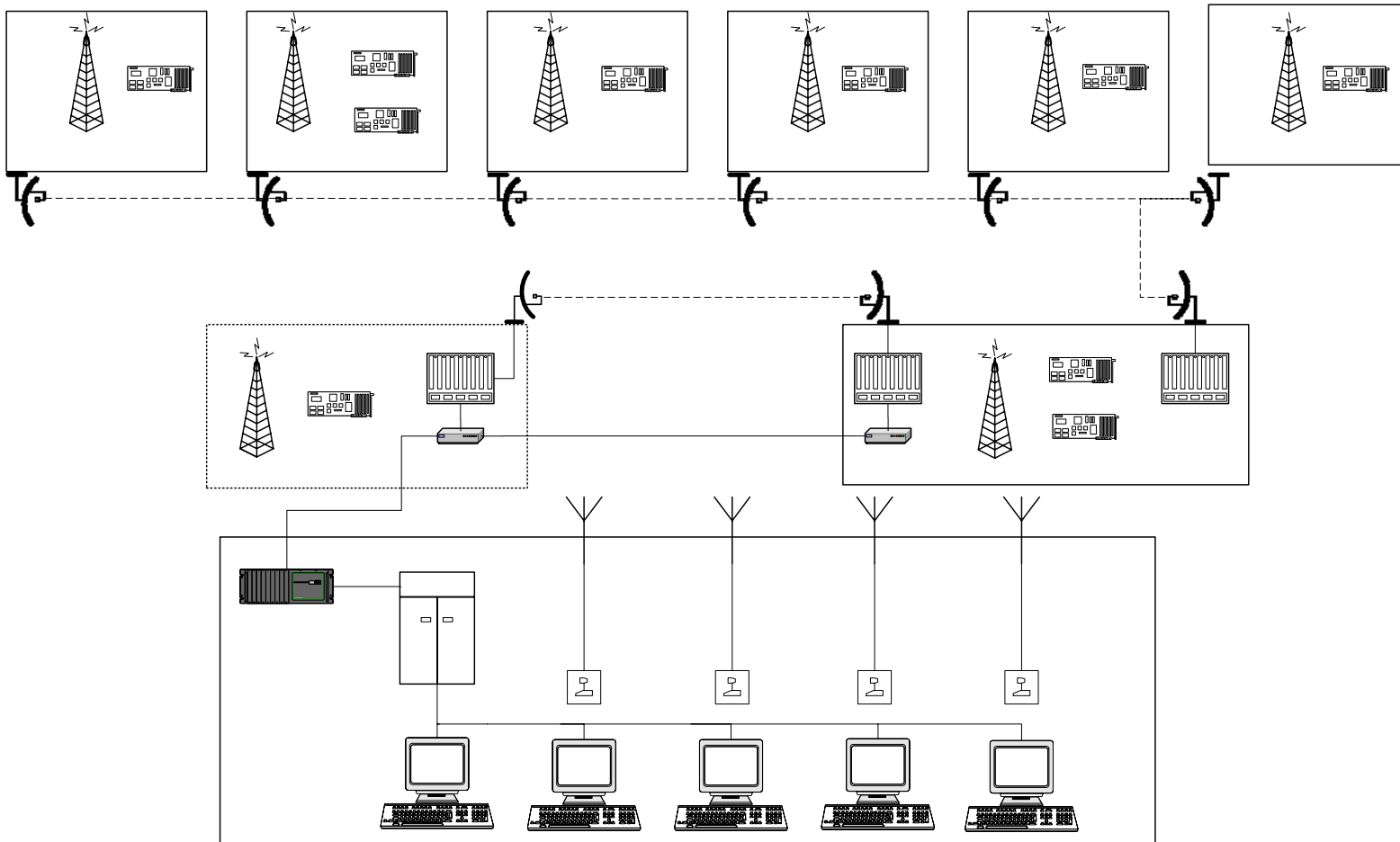


- Fixed Route
- Supervisors Vehicles
- Transit Police Service
- OCTA Service Vehicles
- Voice and Data System

Current CTS Radio System – 500 MHz



OCTA ACCESS and Small Bus Fixed Route Fleets



Current Fixed Route Radio System – 800 MHz (ITCS)



Supervisors and Sheriffs Vehicles

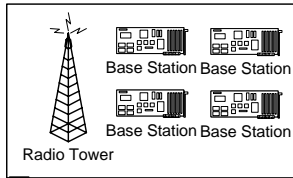


OCTA Fixed Route Fleet

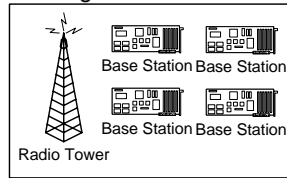


OCTA Service Vehicles

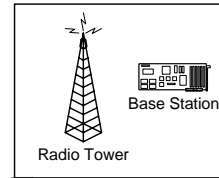
Sierra Peak



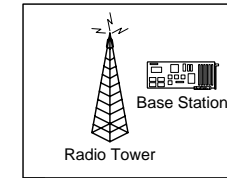
Santiago Peak



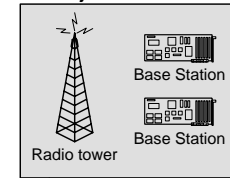
Moorhead



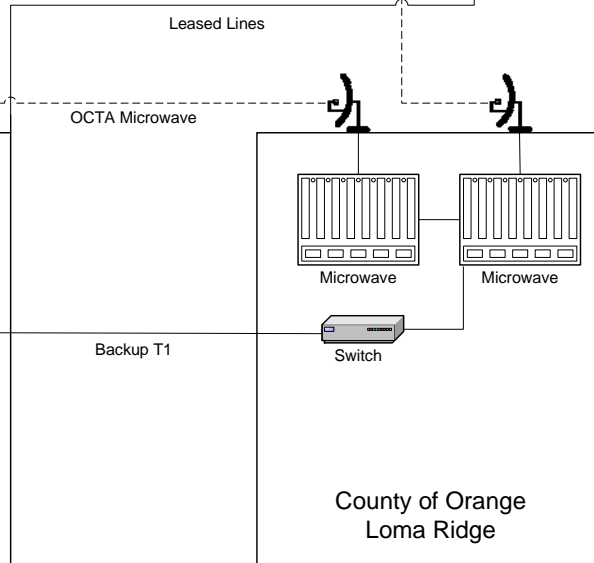
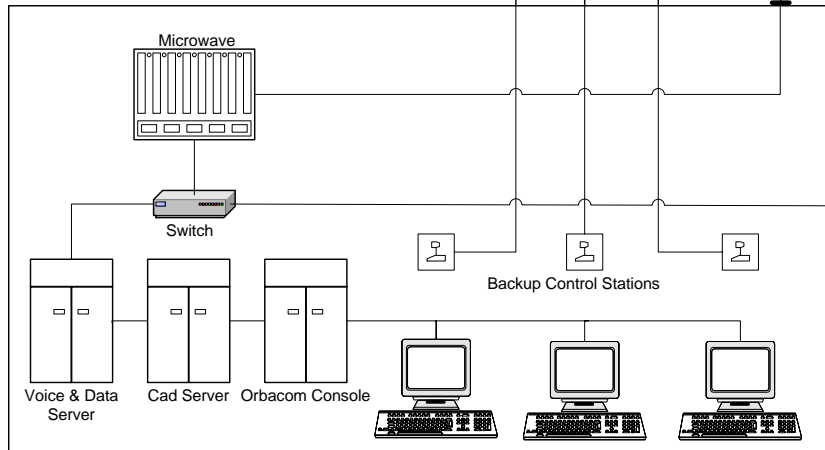
San Clemente



Blackjack Mountain



Garden Grove Annex
Central Communications

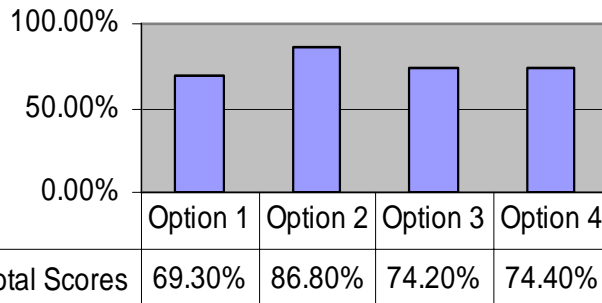


Results of EIGER TechSystems Study

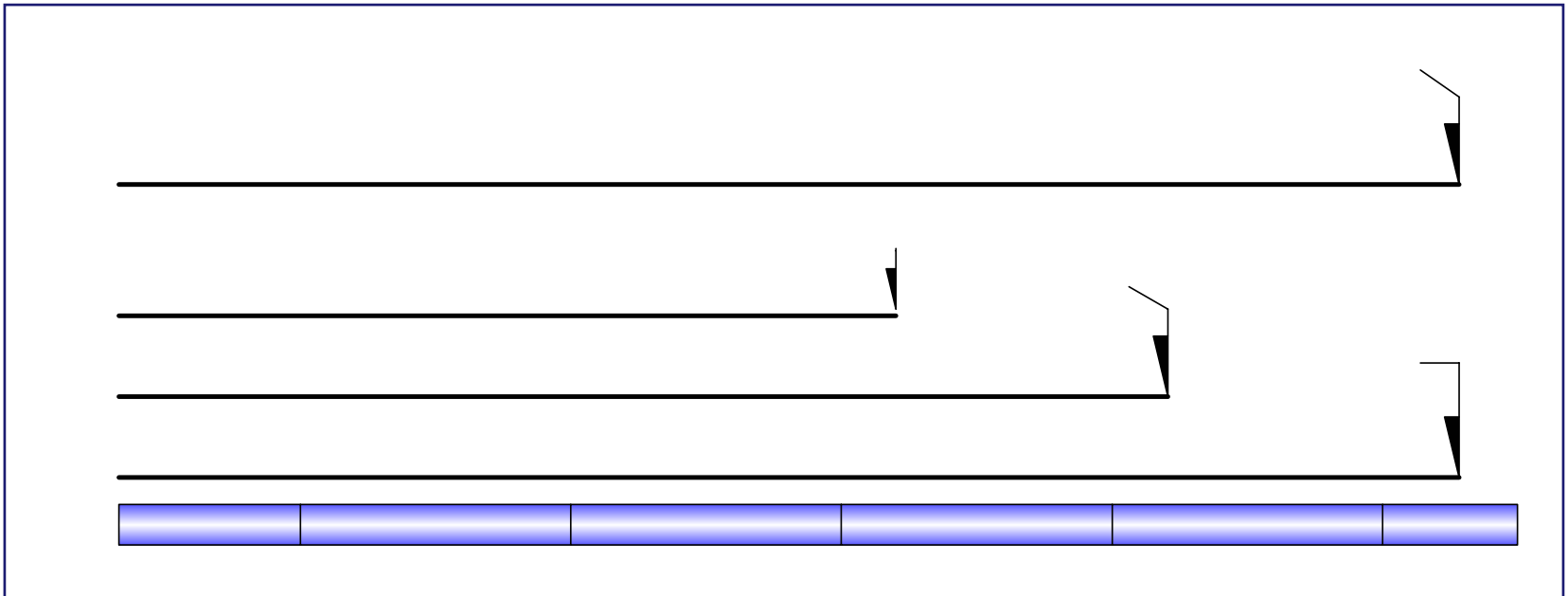
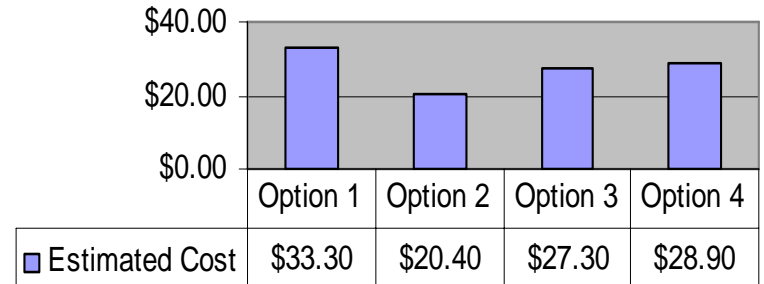
Option	Description	Rank	Score	Price
1	County of Orange System Voice & Build a Data System for Both Fleets on 500MHz	4	69.3	\$33.3M
2	Upgrade ITCS & Consolidate Fixed Route & CTS Communications	1	86.8	\$20.4M
3	Upgrade ITCS for Fixed Route Fleet & Build a New System for CTS Fleet (P25 Phase 2)	3	74.2	\$27.3M
4	Build a New System for Both Fleets (700/800MHz Data)	2	74.4	\$28.9M

Results cont'd...

Total Scores



**Estimated Cost
(in Million \$)**



Recommendation/Next Steps

- Proceed with option 2
- Authorize CEO to proceed with sole source negotiation with ACS & Tyco
 - Proprietary product
 - Reuse current infrastructure
 - Shorter procurement time
 - Least expensive
 - Minimize risk
 - Better chance of success

Questions!

- Thank you!