



*Wyoming's Statewide Public-Safety
Interoperable Radio
Communications Systems*

Project Manager's Report to the PSCC

Date: December 13, 2005

I am happy to report that there has been substantial progress on the Pilot Phase. This has been a difficult report to write because the news has been changing on a daily basis.

PILOT PHASE

PILOT PHASE ISSUE	STATUS
85-South radio site	Active in wide area trunking. One repeater frequency change scheduled for tomorrow, 12/14/05.
North Albin radio site	Active in wide area trunking.
Russell Hill radio site	Active in wide area trunking.
Whitcomb Hill radio site	Active in wide area trunking.
Sherman Hill radio site	Pending. Microwave connectivity issue was resolved yesterday, 12/12/05.
Master Site	Active. Final readiness pending facility upgrades.
Emerson Building radio site	Deleted from Pilot, location TBD.
Premier Mobile Data Communications system	Active. Acceptance testing completed.
Ortivus, Automatic Vehicle Location system	Active. Acceptance testing completed.
MOSCAD, alarm and monitoring system	Active. Acceptance testing completed at 4 of 5 sites.
Radio site final inspections & punch lists	Completed at 4 of 5 sites. Some punch list items remain.
Frequency change of conventional repeaters	Pending: based on Sherman Hill issues.
Technician training	Five classes completed; more scheduled.
User training	Moved to Phase-2.
Functional acceptance test procedures	Pending: based on Sherman Hill issues.

The issues addressed in my previous report have impacted completion of the Pilot Phase: (1) Frequency planning issues, (2) upgrade of support systems at the Master Site equipment room, and (3) the default and bankruptcy of a tower contractor. Each issue has been addressed and is either resolved or well on its way to resolution. Such problems are not unusual for a project of this scale and technical complexity.

Activation of the WyoLink Master Site was being postponed pending resolution of electrical power problems at the Highway Patrol Headquarters building, the master site location. WyDOT has a general contractor working on the electrical power upgrades, the HVAC upgrades, and the fire suppression system upgrades for the equipment room. The arrival of the required electrical equipment was delayed due to the heavy demand for such equipment in areas hit by recent hurricanes. Work on these upgrades is presently underway, but a completion date has not been provided.

The decision was made to activate the WyoLink Master Site on November 14, based on the schedule for the equipment room upgrades. This decision was made to allow testing to proceed. The building electrical system will support activation of the master site but will not provide the power necessary to recharge the UPS batteries or to run the upgrade HVAC system. The WyoLink Master Site will be deactivated on December 16 to allow the contractor to carry out the necessary concrete cutting work.

A configuration problem was found with the Alcatel microwave Bandwidth Manager following activation of the WyoLink Master Site. Chuck Kakalecik of WyDOT Telecommunications is to be commended for his tireless effort on this issue, working with Motorola and Alcatel. I understand Chuck has elected to identify this as a "learning experience" rather than any other descriptive terms that may have crossed his mind. As of last evening, all links are up and communicating at their specified bandwidth.

Activation of the WyoLink Master Site has allowed testing to proceed. The acceptance test plans for the mobile data system and the automatic vehicle location systems have been completed. The test plans for the network monitoring and alarm system was completed in the course of the radio site inspections yesterday, 12/12/05.

The WyoLink Master site will be reactivated following the holiday break. However, it will be necessary to shut the system down when the contractor is ready to cut over the new electrical power system. This shutdown is a safety precaution.

The WyoLink Pilot Phase will be declared ready for beneficial use after all acceptance test procedures are completed with Motorola and after WyDOT Facilities has completed the equipment room upgrades.

FREQUENCY PLANNING

A change order has been signed under which Motorola will provide frequency-planning services. Motorola has assigned a separate project manager to this effort. Currently, the engineering team is rewriting specialized engineering software that will be used in this effort. Completion of this task should accelerate the balance of the frequency planning work.

PROJECT COMPLETION — TARGET: LATE 2007

Despite delays during the Pilot Phase, I believe system completion can be accomplished by late 2007. The Pilot Phase is the most difficult phase of the project.

This will require the development and activation of at least 25 radio sites each year. This is not an unreasonable or unrealistic goal. Other projects have done more.

There are a number of ways to reach this goal. I would prefer not discussing options or a detailed project plan until the Project Team has had more opportunity to refine the options and agreed on a plan.

**WyoLink Compliant Radio Sales
12/1/2005**

By Type of Equipment Purchased

Type of Equipment	Number of Units
Base Stations and/or Repeaters	55
Control Stations	131
Mobile Radios	1805
Portable Radios	1693
Other Equipment	67

By County

Agency	Dollar Amount	Number of Units
Albany County	\$ 469,700.00	175
Big Horn County	\$ 386,295.00	106
Campbell County	\$ 687,256.00	234
Carbon County	\$ 928,044.00	234
Converse County	\$ 765,231.00	191
Crook County	\$ 210,271.00	72
Fremont County	\$ 998,406.06	338
Goshen County	\$ 338,378.00	122
Hot Springs County	\$ 154,955.00	36
Johnson County	\$ 16,153.00	4
Laramie County	\$ 1,007,306.00	392
Lincoln County	\$ 506,590.05	124
Natrona County	\$ 350,166.00	92
Niobrara County	\$ 346,253.00	95
Park County	\$ 578,742.00	178
Platte County	\$ 181,039.00	43
Sheridan County	\$ 775,357.36	229
Sublette County	\$ 492,748.00	132
Sweetwater County	\$ 352,261.14	106
Teton County	\$ 213,052.00	46
Uinta County	\$ 308,994.00	89
Washakie County	\$ 441,917.00	112
Weston County	\$ 218,631.00	56
State of Wyoming	\$ 1,975,501.50	536
Others	\$ 11,101.00	3
Totals	\$12,495,717.11	3,689