

**SENATE FINANCE
COMMITTEE**
October 22, 2009





STARS Update

VEHICLES

- **Installations**

- All UARC Agency vehicles are completed.
- Motorola is no longer installing equipment in any vehicles, the Department is removing and installing all STARS equipment as vehicles are aged or are wrecked.

- **Vehicle installations of STARS radios
VSP**

- VSP vehicles are complete.



STARS Update

TOWERS

- **Towers Pending:**
 - Attached list of pending tower sites and their anticipated dates of completion. The final tower is scheduled to be completed in September 2010. A few of the towers have 110-day weather delays, which limits construction until March 2010.
 - It is anticipated with the completion of the tower sites at Camp 30 and Columbia Pike, that Divisions II and VII will transition to the STARS network.

	L M R	M W	NTP Issued	Construction Start	Site Complete (ATPS & Optimization)	Notes
Columbia Pike	Y	Y	5/15/2009	7/13/2009	9/29/2009	
Poor Mtn	N	Y	6/2/2009	6/17/2009	8/20/2009	
Camp 30 VDOT	Y	Y	6/9/2009	7/13/2009	8/28/2009	
Buck Mtn - 180 Ft, 12x34 Shelter	Y	Y	7/6/2009	7/13/2009	12/4/2009	
N. Mtn - 199 Ft. Tower, 12x34 Shelter	Y	Y	7/8/2009	7/13/2009	12/11/2009	
Dismal Mtn - 180 Ft. SS - 12x32, 12x15	Y	Y	7/10/2009	8/24/2009	11/6/2009	
East River - 180 Ft, 12x34 Shelter	Y	Y	7/10/2009	9/1/2009	12/10/2009	
Dead Pine - Existing 250 Ft. Tower	N	Y	8/17/2009	8/27/2009	12/28/2009	
White Oak - 300 FT SS - 12x32, 12x15 Shelter	Y	Y	9/4/2009	10/1/2009	12/21/2009	
Big A Mtn - 180 Ft SS, 12x32, 12x15 Panelized Building	Y	Y	9/4/2009	3/3/2010	8/25/2010	
Beamer Knob - 180 Ft. MP - 12x34 Shelter	Y	Y	10/5/2009	10/26/2009	2/10/2010	
Elliott Knob (FF) - 150 Ft Tower, 12x26 Panelized Building	N	Y	10/5/2009	10/26/2009	2/10/2010	
Keene Mtn - 199 FT SS, 12x34 Shelter	Y	Y	10/5/2009	10/26/2009	2/10/2010	
Sand Mtn - 150 FT, 12x26	N	Y	10/19/2009	11/2/2009	2/2/2010	

White Top - 80 Ft SS, 12x32, 12x15 Shelter	Y	Y	Pending	Pending	Pending	FAA issued a hazard notice. Notic requires we move the site two miles from existing location or do not broadcast more than 10w. Pending resolution.
Brumley Mtn - 250 FT SS, 12x32, 12x15	Y	Y	Pending	Pending	Pending	NTP is pending a FAA resolution. The height of the tower is in question with the FAA.
Bull Mtn - 180 Ft. Tower, 12x34 Shelter	Y	Y	Pending	Pending	Pending	Pending Secretary of Administration approval.
Smith Mtn - 150 FT SST, 12x26 Shelter	N	Y	Pending	Pending	Pending	Pending execution of lease.
Peters Mtn - 199 FT SS - 12x34 Panelized Building	Y	Y	Pending	Pending	Pending	Pending execution of lease.
Elkins Branch - 240 FT. SS - 12x34 Panelized	Y	Y	11/18/2009	12/11/2009	3/15/2010	Pending Secretary of Administration approval.
4th Division HQ - 1401 - 120 Ft. SS - 12x26 Shelter	N	Y	11/18/2009	12/11/2009	3/15/2010	Pending Secretary of Administration approval.
High Top - 160 Ft SS - Panelized Building	Y	Y	Pending	Pending	Pending	Pending execution of lease.
Apple Orchard - 70 FT SS, Existing Bld and New 12x15 panelized BLD	Y	Y	1/21/2010	4/26/2010	8/10/2010	Design of the site is ongoing. Pending FAA resolution.
Hunter Mtn - 180 FT SS, 12 x34 Shelter	Y	Y				Carrier built tower.
High Knob - 180 FT SS, 12 x34 Shelter	Y	Y				Carrier built tower.



STARS Update

Communications Centers

- The Communications Center in Division IV is pending construction within the next 30 days.
- Communications Centers in Division I and V are operating on STARS.
- Communications Centers in Divisions II, III, VI and VII are operating in the conventional.



STARS Update

Problem Issues

- **Robotics**

Phase II Software Updates

- The Department has tested the new Phase III software upgrade. This software is designed to address our robotics issues and improvements with tower affiliation.
- All STARS agency vehicles that require the upgrade will be upgraded starting on November 2009.



STARS Update

Problem Issues

- **Robotics – (Cont.)**

- 3db Gain Antenna**

- The Department has filed the necessary paperwork to conduct the required OSHA study of the new antenna. The initial test of the antenna in selected patrol vehicles has improved their STARS communications. The new antenna has greater sensitivity.



STARS Update

Problem Issues

- **Mobile Data – MCT – (Cont.)**
 - Motorola will replace 555 Phase 1 (P4) ML900 laptops with ML910 laptops.
 - Motorola will upgrade 1,495 Phase 2 ML900 consisting of 800 NOA 1.1 and 695 NOA 1.2 by replacing the hard drives and keyboards.
 - Motorola will provide 299 ML910 for the balance of the laptops that have not been delivered.



STARS Update

Problem Issues

- **Mobile Data – MCT – (*Cont.*)**
 - Motorola will install an external Global Positioning System (GPS) in all STARS vehicles that are equipped with laptops. This upgrade will allow the STARS users the ability to use either an upgraded ML900 or an ML910 in any vehicle that is equipped with a STARS docking station without the loss of functionality.
 - Motorola will provide a three (3) year warranty extension for all ML900s and ML910s. The warranty period will commence October 1, 2009.



STARS Update

Problem Issues

- **Mobile Data - SOFTWARE**

- Motorola has provided new PMDC enhancements to the software. In addition, they have provided software changes to address the data suspend or data delay. Those test vehicles which have the PMDC enhancements and Phase III upgrade have shown improvement in less data suspend or data problems.



STARS Update

FUTURE TIMELINE

DIVISION	ORIGINAL CONTRACT DATE	CURRENT SCHEDULE
I	June 2006	March 2007
V	May 2008	July 2008
II	July 2008	December 2009
VI	April 2009	August 2010
III	May 2009	June 2010
IV	September 2009	December 2010
VII	October 2008	December 2009



STARS Update

MOVING FORWARD

- The Department continues to have meetings with Motorola's Upper Management Personnel on a quarterly basis in order to remedy our concerns with any problems being identified in the project.