

# **Senate Finance Public Safety Subcommittee Meeting**

January 30, 2009





# STARS Update

## *VEHICLES*

- **Phase II Software Updates**
  - All VSP vehicles are complete.
  - Currently completing UARC Agencies.
- **Vehicle installations of STARS radios VSP**
  - Divisions I, II, V, and VII are complete for BFO cars. Division I is complete for BCI cars.



# STARS Update

## *VEHICLES (cont.)*

- **UARC Agencies-**

- Capitol Police, Virginia Port Authority, Virginia Information Technologies Agencies, and the Chesapeake Bay Bridge and Tunnel Police installations are complete. The other agencies are being scheduled by Division. The Department is in discussions with Motorola on the possibility of re-locating the install facility to the western part of the state to address new installs.

- **Covert Radios-**

- The replacement radio for the covert vehicles has been tested and approved. A purchase order has been delivered to Motorola to purchase the encryption option. A partial shipment has been received and BCI/UARC Radio Installations are being scheduled for covert vehicles.



# **STARS Update**

## ***DIVISION I***

- **Division I:** Towers Complete
- **Division II:** Pending Four Towers
- **Division III:** Pending Two Towers
- **Division IV:** Pending Fifteen Towers
- **Division V:** Towers Complete
- **Division VI:** Pending Twelve Towers
- **Division VII:** Pending Four Towers



# STARS Update

**The Department is in the process of addressing problems which were identified in the installation of equipment in the Tidewater Area tunnels.**



# STARS Update

## *FUTURE TIMELINE*

<b>DIVISION</b>	<b>ORIGINAL CONTRACT DATE</b>	<b>CURRENT SCHEDULE</b>
<b>I</b>	<b>June 2006</b>	<b>March 2007</b>
<b>V</b>	<b>May 2008</b>	<b>July 2008</b>
<b>II</b>	<b>July 2008</b>	<b>April 2009</b>
<b>VI</b>	<b>April 2009</b>	<b>January 2010</b>
<b>III</b>	<b>May 2009</b>	<b>December 2009</b>
<b>IV</b>	<b>September 2009</b>	<b>February 2010</b>
<b>VII</b>	<b>October 2008</b>	<b>September 2009</b>



# **STARS Update**

## **Problem Issues**

### **ROBOTICS**

**The problem was identified early in the project. The Department has been providing Motorola with all information to assist in identifying the cause.**

**(1) Changes were made to the network by the place on timing clock on each microwave ring.**

**(2) Changes were made to the control antenna on the towers. In addition, the microwave antennas were re-aligned to provide optimum performance.**

**(3) Changes were made to the in-car video capture system due to RF interference.**

**(4) A new product was designed by Dodge, but we are addressing legal matters on who will pay for the Dodge Charger spark plugs and ignition coils.**



# STARS Update

## Problem Issues

- **Robotics – (Cont.)**

The field engineering team received a new release of subscriber radio code. There were positive results, namely a reduction by approximately 50% in the total occurrence of robotic instances, as well as a reduction in the duration of each occurrence (*from the entire conversation being "robotic" and unintelligible to just the first syllable or two.*) Another release of optimized code was sent to the field team for testing. The team experienced further improvement and reduction of occurrence of robotic issues.



# STARS Update

## Problem Issues

- **Mobile Data - MCT**

- The Phase I ML900 Mobile Computer Terminals (MCT) are being taken out-of-service. The Phase II ML900s are currently experiencing a failure rate of 15 to 18%, our concerns have been expressed to Motorola.
- Motorola's proposal was to replace the Phase I MCTs with a ML 910; a new computer product by Motorola. The Department has identified a few issues of concern for the ML 910.



# STARS Update

## Problem Issues

- **Mobile Data – MCT – (*Cont.*)**
  - The Department has submitted a proposal to Motorola to address the replacement of all MCTs with another product which has a better performance record as compared to the current Motorola products.



# STARS Update

## Problem Issues

- **Mobile Data - SOFTWARE**

- The issues with Mobile Data Delivery and PMDC Software problems were identified early in the project.
- The Department has requested that Motorola provide us with a plan to test another software solution on the current system. In order to address any possible systems conflicts, this will require a three part test.



# MOVING FORWARD

- Motorola assigned a replacement Program Director, Mr. Wes Jones. He assumed his position in early October.
- Mr. Randy Peeler was assigned to the STARS Team as Program Manager, reporting to Captain Bolton.
- Together, Wes Jones and Randy Peeler are jointly preparing an implementation strategy to move the project to completion.
- The Department is having meetings with Motorola's Upper Management Personnel on a quarterly basis in order to remedy our concerns with problems being identified in the project.