

Agreement for the Upgrade to the Radio Communications System

What we have now – Two Radios

500 Megahertz (MHz), Paratransit Service



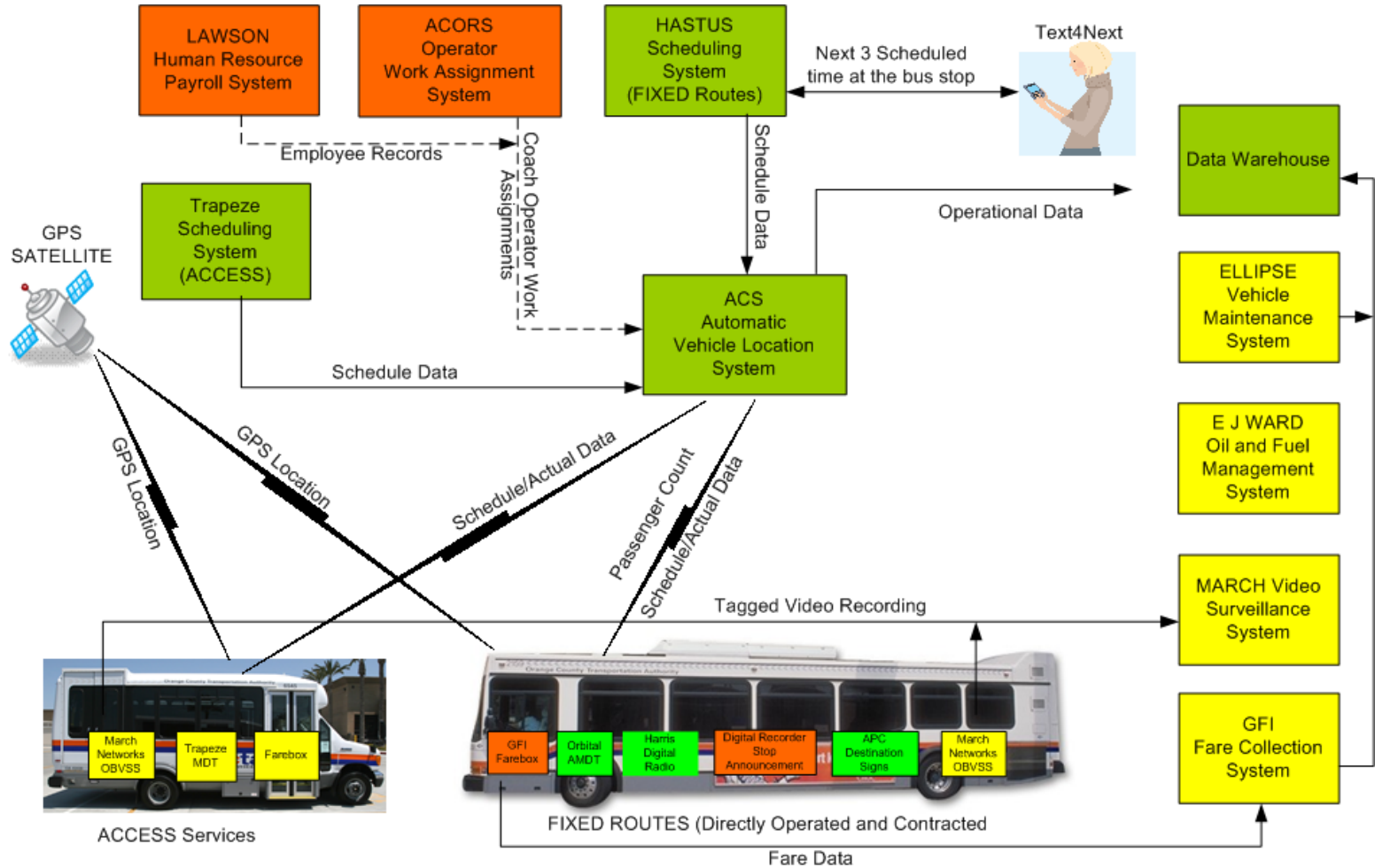
- Approximately 30 - 35 years old
- Slated for replacement twice
- Technology is very old
- System offers few features
- Maintenance is difficult and expensive
- Long recovery time if major events occur
- Rendered useless by FCC narrow-banding mandate -1/1/13

800 Megahertz (MHz), Fixed Route Service



- M/A-COM RF system
- ACS SmartTrack CAD system is 10 years old
- Mobile radios (M801) and system (OpenSky1) are both obsolete
- SmartMDT mobile data terminal is obsolete expansion is limited
- System continues to suffer from interference issues

What we have now – Lack of Integration

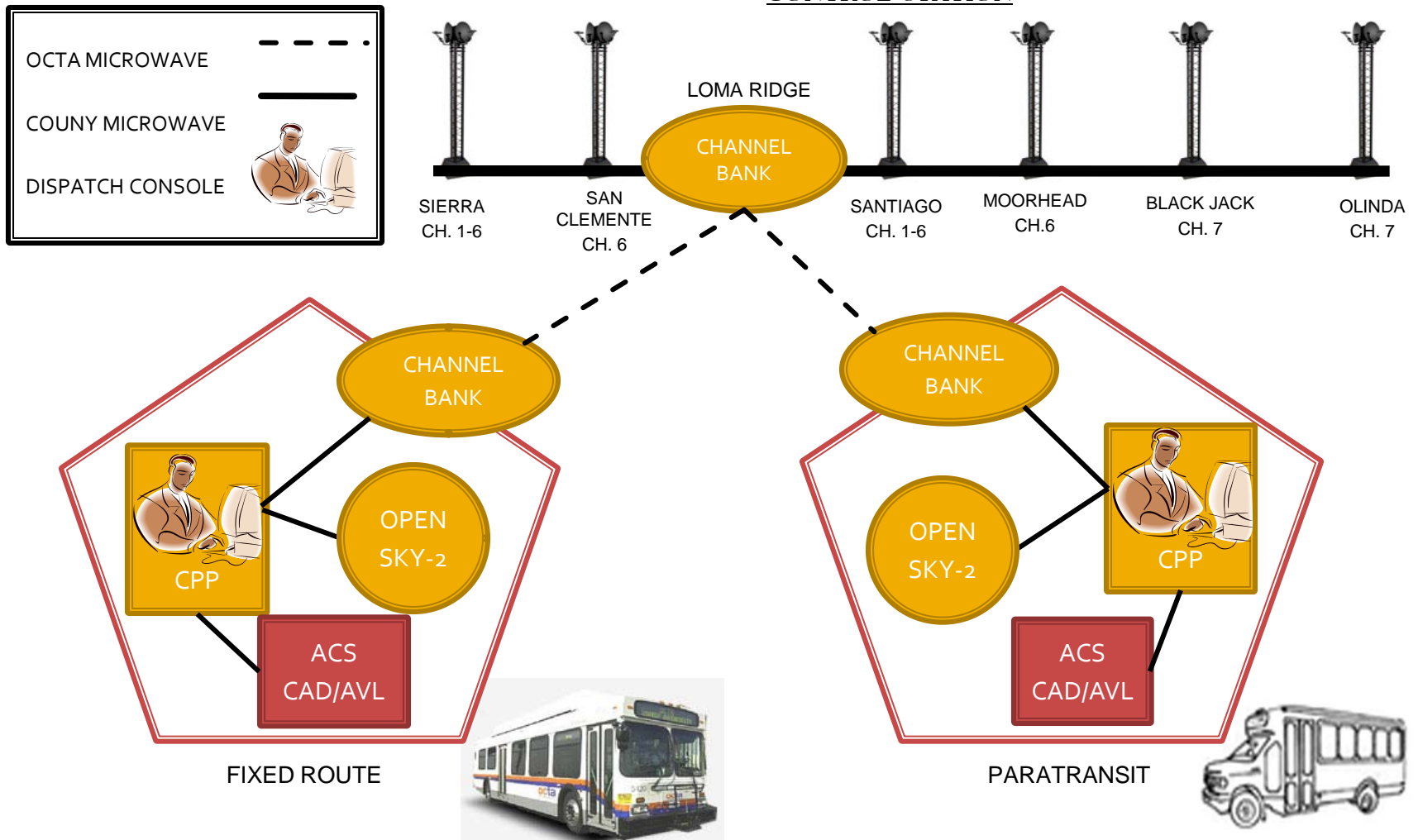


MAJOR BUS PROCESSES

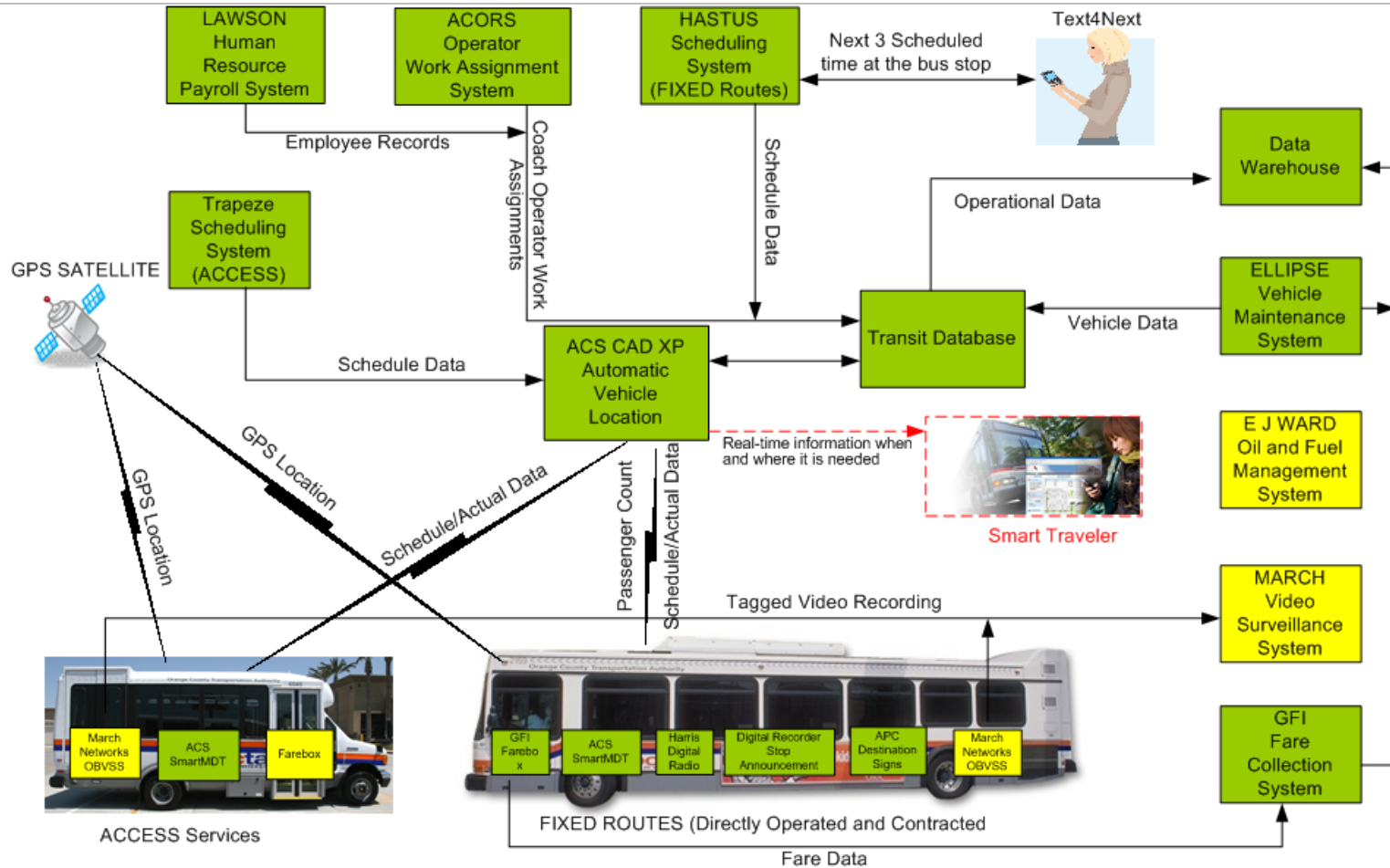
- OPERATIONAL REQUIREMENTS**
- Multiple operator logon
 - Duplicate data Interfaces
 - Available resources not fully utilized
 - Semi-integrated systems on/off bus

What will we have – One Radio

- One Integrated radio system for directly operated fixed routes, contracted fixed routes, and paratransit services with complete redundancy



What we will have –Fully Integrated System



LEGEND:
 —▶ Automated Feed
 - -▶ Manual Feed

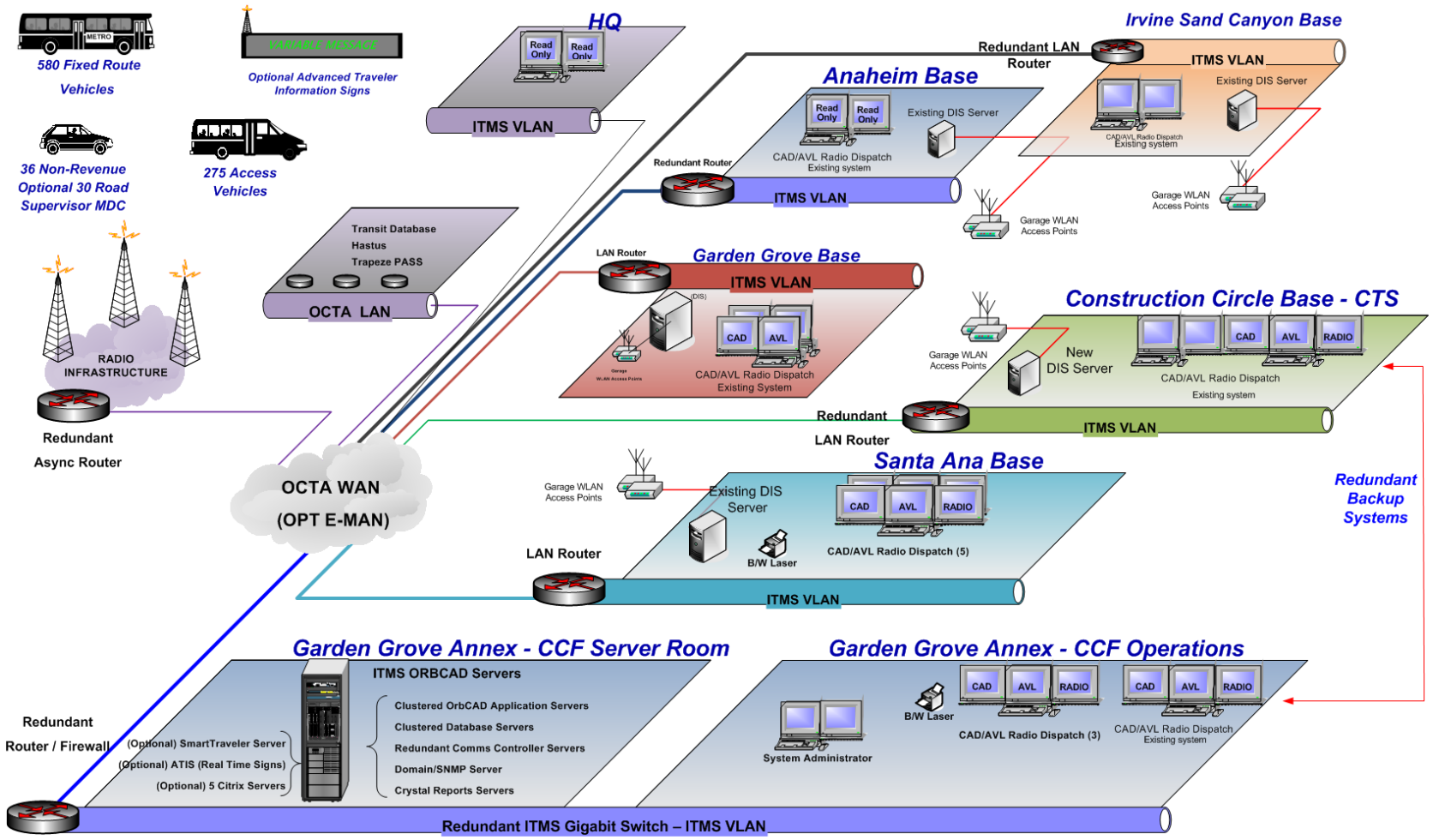
■ Fully Integrated
 ■ Stand Alone Systems
 ■ Future

MAJOR BUS PROCESSES

OPERATIONAL CONDITIONS

- Operator single logon
- Direct data Interfaces
- Available resources fully utilized
- Integrated systems on/off bus
- Infrastructure for fare collection, real-time next arrival and regional integration for incident, traffic, transit, bus stop, etc. systems

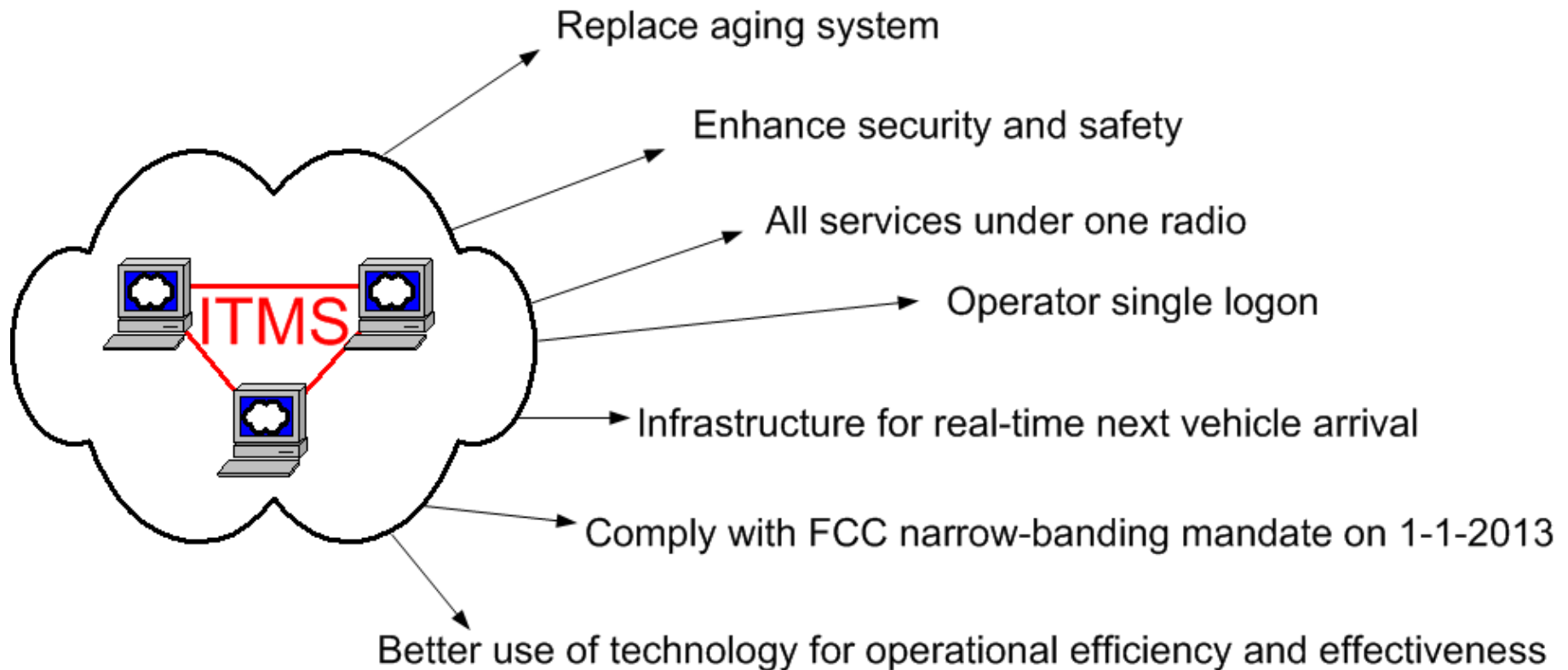
What is it – Intelligent Transit Management System



How much will it cost?

ITEM DESCRIPTION	EXTENDED PRICE
• Program Management/Engineering/Test	\$ 2,919,243
• Development	416,510
• Fixed End Equipment – CAD/AVL	630,791
• Fixed End Equipment – Communications	3,900,636
• Total Fleet Vehicle Equipment and Installation	10,733,252
• Total Vehicle Spares	402,371
• Training – Equipment and Training	467,830
• Warranty – 1 year	545,293
• S/W Escrow – 1 year	3,232
• Performance Bond	360675
• <i>Discount (Vehicle, Spares, System)</i>	<i>-2,783,971</i>
SUB TOTAL BEFORE CA SALES TAX	\$17,595,862
• California Sales Tax – Estimated	972,332
TOTAL BASE PRICE	\$18,568,194
Plus Options (Options include 100% performance bond and taxes)	
• Emergency Operations Center	544,928
• Supervisory Vehicle Laptops (Qty 30)	145,907
• Separate Server Locations (Disaster Recovery)	174,343
• Logging Recorder (Qty 1)	162,800
• 4.9 WiMAX (Vida Broadband) + Protected wideband microwave	527,718
GRAND TOTAL WITH OPTIONS AND TAXES	\$20,123,890

What are the benefits?



Next Step

- May 10, 2010 - Approve Sole-Source Procurement with ACS for radio upgrade
- August 2, 2010 – Radio Upgrade Project Kick-Off
 - 08/3/10 – Requirements Review
 - 12/22/10 – Software Development
 - 02/21/11 – Hardware Configuration
 - 05/07/11 – Factory Acceptance Testing
 - 07/05/11 – First Article Installation
 - 08/25/11 – Fixed End Installation
 - 05/05/12 – Vehicle Installation
 - 06/19/12 – System Testing
 - 07/31/12 – System Acceptance
- July 2012 – Project Completion