Intelligent Transit Management System
Project Status

Project History

Actions Taken	2006				2007				2008				2009				2010				2011				2012			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
EIGER TechSystems conducts study			■	■	■	■	■	■																				
EIGER TechSystems completes study									■																			
Board approves Intelligent Transit Management System (ITMS) project												■																
CAMM issues sole source contract with ACS – complete negotiations														■	■	■	■											
Board approves sole source contract with ACS																		■										
Project kick off – begin development																			■	■	■	■	■	■				
ITMS projected completion																											■	

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Major tasks completed during the first quarter, 2011

Tasks Completed		February			March				April		
FCC approves three microwaves licenses for Loma Ridge, Construction Circle, and Garden Grove		██									
Harris Corporation completes installation of T-1 lines at all communications towers		██									
Harris Corporation begins microwave factory acceptance testing at San Antonio, Texas						██					
Harris Corporation completes staging of OpenSky2 radio at Lynchburg, Virginia							██				
OCTA receives 11 pallets of radio equipment									██		
Began demolition of room inside Central Communication to add two more consoles										██	
GIRO begins testing schedule data export from HASTUS 2010 to OrbCAD system											██
FCC grants license for 700 MHz radio, LA County approves change of frequency to 700 MHz at Black Jack Mountain											██

Major tasks completed during the first quarter, 2011 in pictures

T-1 lines installations at all communications towers
(Santiago, San Clemente, Moorhead, Loma Ridge, Garden Grove, Construction Circle)
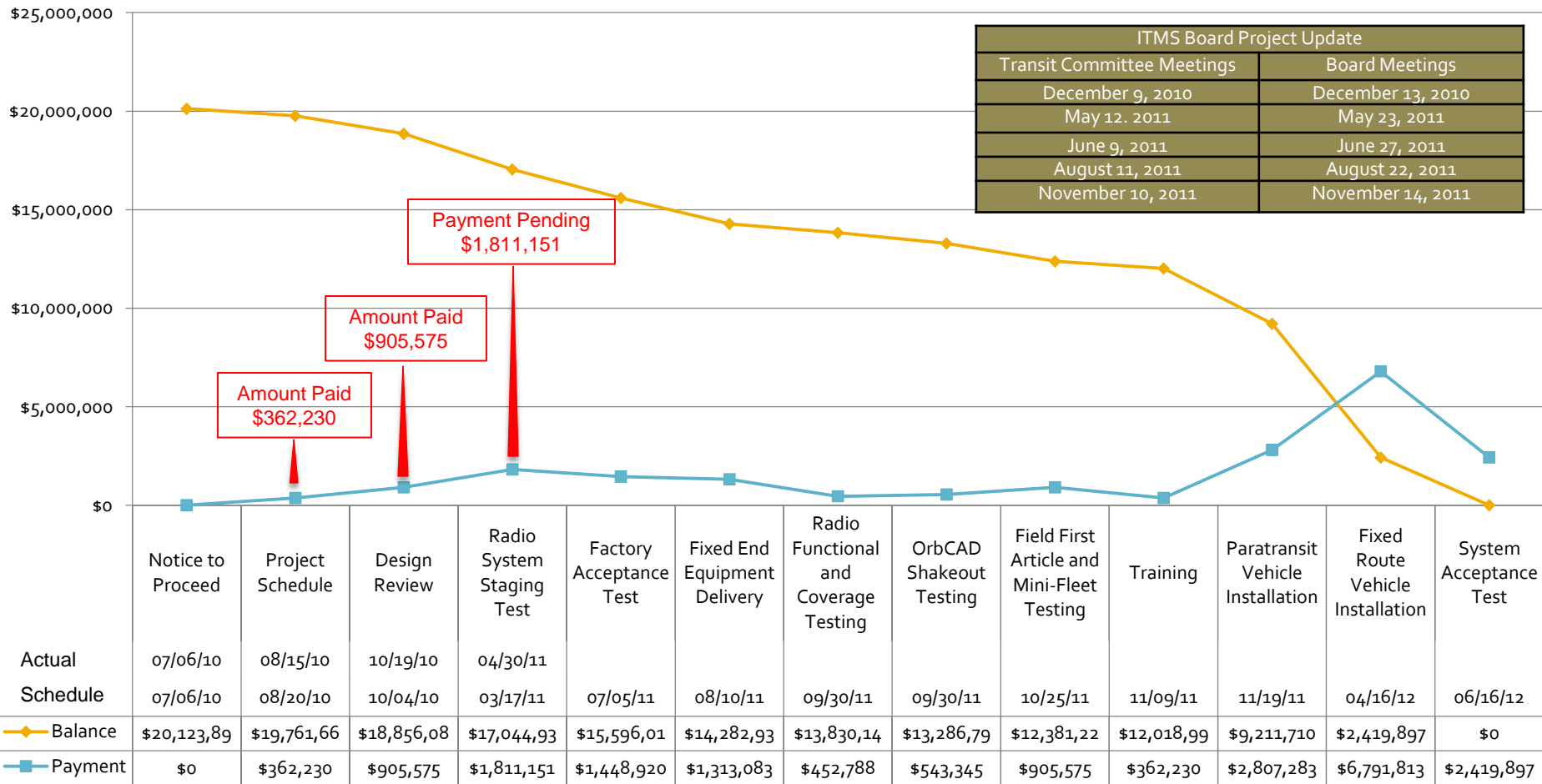

OpenSky 2 radio staged
Lynchburg, Virginia

11- Pallets of radio equipment received
Garden Grove Annex

Demolition and trenching for two dispatch consoles
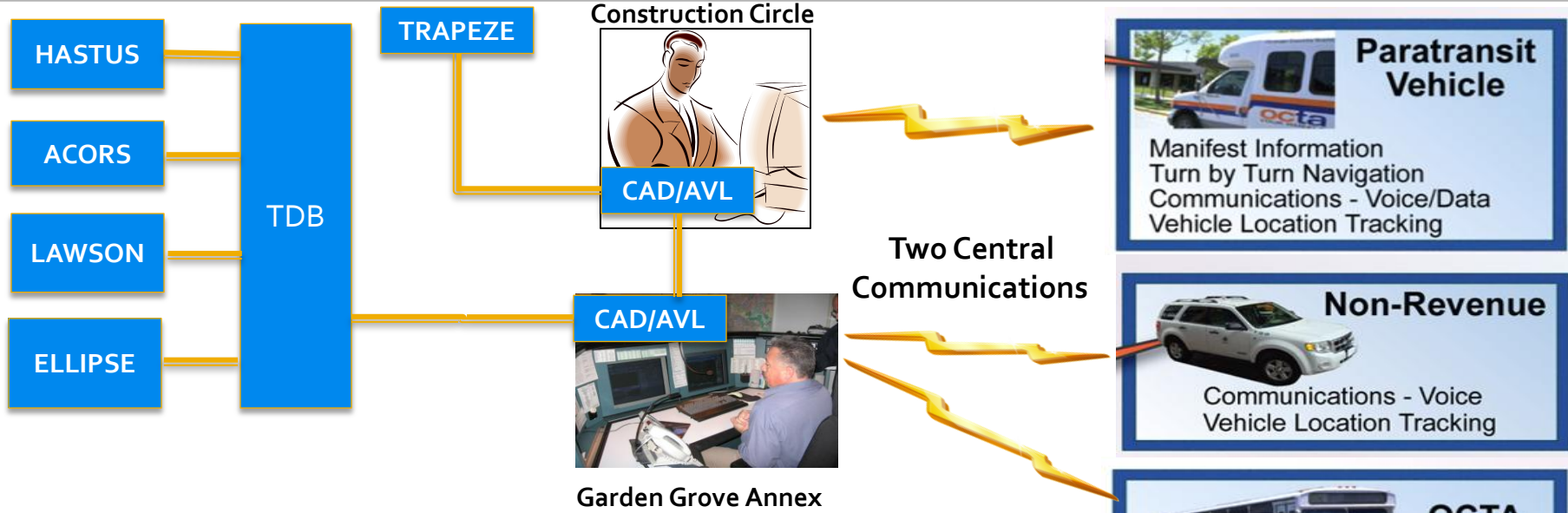Central Communications, Garden Grove Annex

Project Key Milestones Schedule/Budget

ITMS Board Project Update

Transit Committee Meetings	Board Meetings
December 9, 2010	December 13, 2010
May 12. 2011	May 23, 2011
June 9, 2011	June 27, 2011
August 11, 2011	August 22, 2011
November 10, 2011	November 14, 2011

Payment Pending $1,811,151

Amount Paid $905,575

Amount Paid $362,230

	Notice to Proceed	Project Schedule	Design Review	Radio System Staging Test	Factory Acceptance Test	Fixed End Equipment Delivery	Radio Functional and Coverage Testing	OrbCAD Shakeout Testing	Field First Article and Mini-Fleet Testing	Training	Paratransit Vehicle Installation	Fixed Route Vehicle Installation	System Acceptance Test
Actual	07/06/10	08/15/10	10/19/10	04/30/11									
Schedule	07/06/10	08/20/10	10/04/10	03/17/11	07/05/11	08/10/11	09/30/11	09/30/11	10/25/11	11/09/11	11/19/11	04/16/12	06/16/12
Balance	$20,123,89	$19,761,66	$18,856,08	$17,044,93	$15,596,01	$14,282,93	$13,830,14	$13,286,79	$12,381,22	$12,018,99	$9,211,710	$2,419,897	$0
Payment	$0	$362,230	$905,575	$1,811,151	$1,448,920	$1,313,083	$452,788	$543,345	$905,575	$362,230	$2,807,283	$6,791,813	$2,419,897

ITMS Project Completion Date – June 16, 2012   - **To be paid at the completion of task**

What are the benefits of ITMS?

HASTUS
ACORS
LAWSON
ELLIPSE

TDB

TRAPEZE

Construction Circle

CAD/AVL

CAD/AVL

Garden Grove Annex

Two Central Communications

Paratransit Vehicle

Manifest Information
Turn by Turn Navigation
Communications - Voice/Data
Vehicle Location Tracking

Non-Revenue

Communications - Voice
Vehicle Location Tracking

OCTA Vehicles

Route & Schedule Adherence
Communications - Voice/Data
Audio Annunciation (Interface)
Farebox Integration (interface)
HeadSign Integration (interface)
Vehicle Location Tracking

BENEFITS TO OCTA

❖ **Increased Effectiveness and Productivity**

✓ Integrated on/off bus systems	✓ Single Logon
✓ Redundant system	✓ Improved reporting

❖ **Infrastructure for More Automated and Integrated Systems**

✓ Comply with narrowbanding mandate	✓ Real time information to customers and management
✓ Minimize stovepipe system	