

Information Technology Department (ITD) Transit Services



CITT Technology Capital Project Update 5/20/2015

Background Transit Operational System (TOS) Replacement - Work Force Management

Old Legacy System:

- Core Transit Operational System
- Obsolete Hardware/Software

New System:

- Web-based bidding for Transit Operators
- Dispatch and vehicle assignment
- 14-90 FDOT safety rule monitoring
- Workforce and Discipline Management
- Seamless integration:

– County Payroll, Transit Scheduling and Vehicle Management System (CAD/AVL)

- Partially Funded by American Recovery and Replacement Act (ARRA)



No	Date	Version	ESP Database	Vehicle	Alt type	Lines	Start time	No	Line
1	11.07.2004	10000	MCH-789	204	14	14	11:20	82	82
2	15.07.2004	10000	MCH-789	202	17	17	11:20	82	82
3	14.07.2004	10000	MCH-789	140	17	17	11:20	82	82
4	11.07.2004								
5	12.07.2004								
6	11.07.2004								
7	18.07.2004								

No	Type	Stop	Actual dep	Sched dep	Boardings	Alightings	Load	Sched. distance	Passenger Mts
14	1	Low St. Bisc 2001	18:22:27	18:20:00	70	20	0	0	0
15	2	VICTORIA PALM HIGHL	18:22:27	18:20:00	0	0	0	0	0
16	3	HEYVA HOTEL	18:34:01	18:34:00	5	1	4	1,500	0
17	4	MANHATTAN PARKWAY	18:36:33	18:37:00	11	0	0	2,700	3
18	5	FORTMAN SQUARE	18:40:04	18:40:00	15	0	0	2,700	4
19	6	MARYLEBONE ROAD-D	18:44:28	18:46:00	11	11	20	3,000	19
20	7	SPENCER COTTAGE PLACE	18:50:20	18:57:00	63	60	23	6,200	60
21	8	FINCHING PLANTS LINE	17:55:38	17:59:00	7	11	18	6,204	46
22	9	COLLEGE GREEN STN	17:54:25	17:59:00	63	63	18	3,948	44
23	10	FINCHLEY HEN/VS OXF	17:57:03	17:59:00	3	8	13	11,762	43
24	11	FINCHLEY GENERAL ST	17:57:53	17:59:00	1	21	7	13,088	43
25	12	NORTH FINCH TALLY HC	17:42:43	17:40:00	11	4	0	14,810	12
26	13	Low St. Bisc 2001	17:53:13	17:59:00	43	42	8	0	89
27	14	NORTH FINCH TALLY HC	17:43:33	17:49:00	2	1	0	0	0
28	15	FINCHLEY GENERAL ST	18:01:11	17:59:00	1	0	2	4,888	2
29	16	FINCHLEY HEN/VS OXF	18:56:36	18:59:00	0	0	2	3,051	3

Transit Operations System (TOS) Replacement Project Status

Percentage Completed = 70%



Pending Milestones:

- Timekeeping Rules Configuration – June 2015
- Scenario Testing - August 2015
- Go-Live Bidding and Dispatch - Oct 2015
- Parallel Bidding and Dispatch - Oct to Nov 2015
- Go-Live with the Timekeeping Interface - Nov 2015

Background CAD/AVL Replacement & Kendall Drive Signalization Project

Central Control



Old Legacy System

- Core Vehicle Management System
- Saturated Radio Infrastructure

New System:

- Onboard Technology Enhancements

CAD/AVL Fleet Management



- Incident Management

- Traffic Signal Priority (TSP)

- Automated Vehicle Monitoring (AVM)

- Real Time Bus Tracker

- 100 Electronic Signs

- PTP and ARRA Funded



Kendall Drive Traffic Signal Priority (TSP) Project Status

Percentage Completed = 100%



- Live as of March 26, 2015
- Kendall Drive buses are Automatically invoking requests for extended greens

Vehicle Management/CAD/AVL Replacement Project Status

Percentage Completed = 60%

Pending Milestones:

- Systems Integration Testing
- Pilot Test (Rail, Mover and Bus)
- Go-Live Coral Way Garage – July to Sep 2015
- Go-Live North East Garage – Sep to Nov 2015
- Go-Live Central Garage – Nov to Dec 2015
- Go-Live Rail and Mover – Jan to April 2016



Information Technology Department Transit Services Technology Capital Project Update

The End