



PUBLIC WORKS RELATED PROJECTS

The original PTP Ordinance included 44 major roadway and neighborhood improvement projects to be carried out by the Public Works Department (PWD) through 2013. The projects are divided into three categories (Major Highway and Road Improvements, Neighborhood Improvements, and Board Requested Public Works Projects). Details of these initiatives are provided below.

The overall percentage completion shown for each project is the portion of funds expended of the total estimated cost, excluding any closeout or pending final payments. The Right of Way Acquisition costs for PWD PTP projects are listed separately in the Capital Budget by Commission District, and included in this Five Year Implementation Plan on page 66.

Major Highway and Road Improvements

The PTP provided for the study and development of a set of eight traffic easing initiatives.

1. Construction of major ingress/egress improvements in Downtown Miami, from SW 8 Street to SW 1 Avenue



The Miami River Tunnel Feasibility Study is completed and the report concluded that the tunnel would not provide significant improvements to ingress/egress from Downtown Miami. The construction of the tunnel was estimated to cost \$500 million. The original budget for the study was \$1 million but actually cost \$504,000. This project was funded with PTP Surtax revenues.

2. Completion of construction of NW 87 Avenue between NW 154 Street and Miami Gardens Drive (NW 186 Street)

This project is 4% complete and is currently in the ROW acquisition process. To date, \$837,000 expended with \$22.044 million required to complete (targeted for December 2013).

From 2010-2011 Approved Capital Plan

WIDEN NW 87 AVENUE FROM NW 154 STREET TO NW 186 STREET

PROJECT # 605840

Widen road from two lanes to four lanes on two miles of roadway

LOCATION: NW 87 Ave from NW 186 St to NW 154 St, Unincorporated Miami-Dade County

DISTRICT LOCATED: 13

ESTIMATED ANNUAL OPERATING IMPACT: \$0

DISTRICT(s) SERVED: 13

Revenue Schedule	Prior Years	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	Future	Total
PTP Bonds	1,660	6,500	6,369	0	0	0	0	0	14,529
Charter County Transit System Surtax	36	0	0	0	0	0	0	0	36
Total Revenue:	1,696	6,500	6,369	0	0	0	0	0	14,565
Expenditure Schedule:	Prior Years	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	Future	Total
Planning and Design	571	0	0	0	0	0	0	0	571
Construction	1,125	6,500	6,369	0	0	0	0	0	13,994
Total Expenditures:	1,696	6,500	6,369	0	0	0	0	0	14,565



3. Grade separations

A total of six intersections were identified by the MPO. The Project Development and Environmental (PD&E) Study is underway for SW 8 Street at 87 Avenue and NW 36 Street at 72 Avenue (JPA w/ FDOT) and is currently 75% complete. To date, \$500,000 has been expended, with an expected completion date of October 2012. Their design and construction is estimated at \$16 million each, for total cost \$32 million. The remaining four locations originally identified are SW 8 Street at SW 107 Avenue estimated at \$18 million, US-1 at SW 27 Avenue estimated at \$20 million, SW 152 Street at SW 117 Avenue estimated at \$22 million, and N Kendall Drive at SW 127 Avenue estimated at \$20 million.

This \$111.5 million overall total required to complete is currently an unfunded need in the Transportation Improvement Plan and not currently in County's Approved Capital Plan; it is ranked as Priority #35 among the list of 38 Public Works Transportation Unfunded Projects. Other funding sources are being explored.

4. Create viable reverse flow lanes on major thoroughfares

This project included four thoroughfares. The PD & E Study conducted for NW 7 Avenue project (NW 119 Street to NW 5 Street) found that the project was not feasible. The NW 199 Street (along Dolphin Stadium) project was the refurbishment of the existing signalization system and completed as part of the ATMS project. Flagler Street (SW 24 Avenue to SW 74 Avenue estimated at \$15 million) and Bird Road (HEFT to SW 147 Avenue estimated at \$6 million) are currently unfunded needs in the Transportation Improvement Plan and not currently in County's Approved Capital Plan. Other funding sources are being explored. The total funding expended for this category was \$650,000.

5. Supplements funding to upgrade the County's traffic signalization system.

The existing Traffic Control Center was constructed in the 1970's and was the largest in the country at that time. The Advanced Traffic Management System (ATMS) project will modernize the Traffic Control Center, allow engineers to remotely control traffic signals and monitor intersections via video. The project will upgrade signal controllers in roadways and provide reliable broadband connectivity and improved software integration.



The project has three phases, and is 52% complete overall. Phase 1 was a pilot program to test the viability of the new system at 16 intersections in the Doral area. Having completed a successful pilot program (Phase 1); PWD proceeded to commence Phase 2. The initial two phases focused on the upgrade and connection of the traffic signal controllers at all signalized intersections, implementation of the central system components of the new system at the Traffic Control Center (TCC), and the transfer of the control of approximately 2,700 intersections from the old Uniform Traffic Control System (UTCS) over to the new ATMS. Phase 2 is substantially complete, and Phase 3 is currently under construction. Phase 3 will include: improving the system-wide communications, advanced emergency vehicle preemption and bus prioritization systems, advanced traffic flow detection systems; video surveillance, implementation of a new state-of-the-art Traffic Management Center (TMC), and software upgrades to incorporate critically needed signal system operation functionality. A total of \$25.314 million has been expended to date, with an estimated additional \$23.687 million required to complete. The targeted completion is October 2017.

The ATMS project was originally estimated to be \$117 million and to be funded among the PTP \$49 million, Local funding \$6 million and FDOT \$62 million.

Following is detailed information from 2010-2011 Approved Capital Plan.

From 2010-2011 Approved Capital Plan

ADVANCED TRAFFIC MANAGEMENT SYSTEM (ATMS)

PROJECT # 608400

Acquire software and hardware system to synchronize the remaining 1,500 traffic signals from the inventory of 2,750 traffic signals Countywide

LOCATION: Countywide

DISTRICT LOCATED: Countywide

ESTIMATED ANNUAL OPERATING IMPACT: \$0

DISTRICT(s) SERVED: Countywide

Revenue Schedule	Prior Years	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	Future	Total
FDOT Funds	3,000	0	0	0	0	0	0	0	3,000
FDOT-County Incentive Grant Program	0	8,000	2,499	0	0	0	0	0	10,499
Road Impact Fees	933	0	0	0	0	0	0	0	933
PTP Bonds	19,619	8,000	12,000	4,672	0	0	0	0	44,291
Charter County Transit System Surtax	25	0	0	0	0	0	0	0	25
Total Revenue:	23,577	16,000	14,499	4,672	0	0	0	0	58,748
Expenditure Schedule:	Prior Years	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	Future	Total
Technology Hardware/ Software	23,577	16,000	14,499	4,672	0	0	0	0	58,748
Total Expenditures:	23,577	16,000	14,499	4,672	0	0	0	0	58,748

Contracts: (See Appendix for fuller listing of Trust-approved contracts)

20040415 Traffic Control Management Center Building

20060042 People's Transportation Plan (PTP) Reversible Lane Control System Improvement Project

20070587 PTP Advanced Traffic Management System's Reversible Lane Control Signal System Refurbishment Project along NW 199 Street, from NW 2 Avenue to NW 27 Avenue

6. Accelerate approved safety enhancements and lane improvements for Krome Avenue

The approved safety and lane improvements were already fully funded by FDOT by the time the PTP was approved. The project was completed by FDOT

7. Funds the preliminary Engineering and Design study of I-395

The preliminary engineering and design studies for I-395 were completed prior to approval of the PTP and did not require funding through the PTP. FDOT completed this project.

8. Supplement funding to widen NW 62 Avenue, from NW 105 Street to NW 138 Street. (Included in Board Requested Projects).

The project is completed. Total cost funding expended was \$5.553 million including \$2.4 million in Road Impact Fee funds. Project is listed twice in the PTP Ordinance