



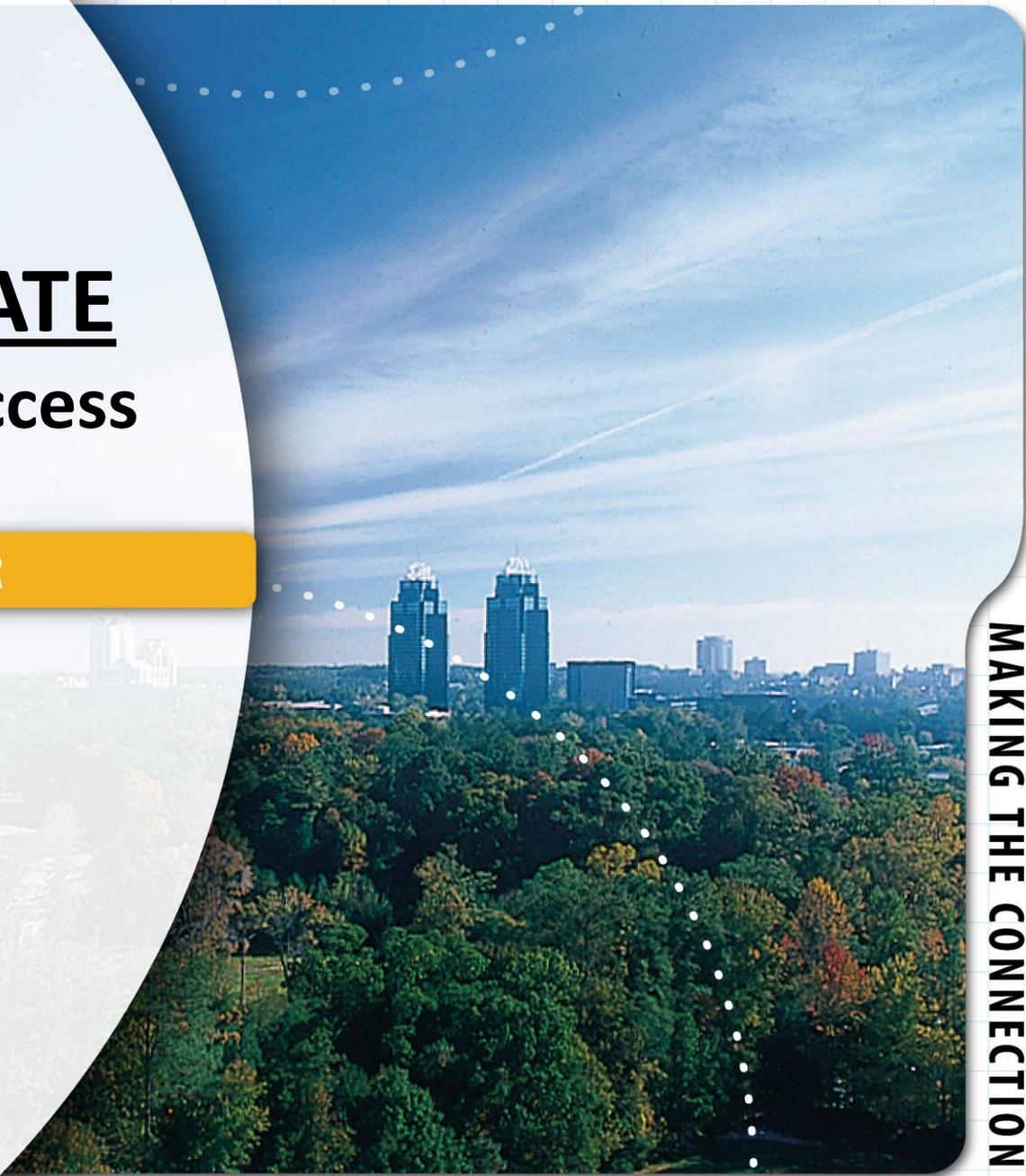
PIOP UPDATE

Partnership = Success

PERIMETER @ THE CENTER



PERIMETER COMMUNITY
IMPROVEMENT DISTRICTS



MAKING THE CONNECTION



PROJECT PURPOSE

- To improve traffic congestion in the Perimeter business district, the **Perimeter Transportation Operations Program (PTOP)** optimizes and maintains the traffic signals within and adjacent to the PCIDs.





FUNDING

- Funded by a **\$2.8 million grant from GDOT**, the three-year program between the PCIDs and the cities of Sandy Springs, Dunwoody and Brookhaven includes filling in the missing gaps in the fiber optic network linking the lights and upgrading other signal equipment.

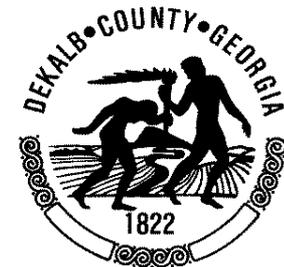


MAKING THE CONNECTION



PARTNERS

- PTOp represents a collaboration with the cities of Sandy Springs, Dunwoody and Brookhaven and Fulton and DeKalb County.
- It is included in all GDOT plans and programs.





MULTI-JURISDICTIONAL CONNECTIVITY

- Interconnected **76** signals between three cities.
- Migrated signals from Dunwoody & Brookhaven to **Sandy Springs' Traffic Control Center (TCC)**.
 - Allows for the active management of the traffic operations within the PCIDs from a central location.
- Established active communication, monitoring capabilities and remote access with **69 signals** in July 2013 (*i.e. Over 91% of system online*).



MULTI-JURISDICTIONAL CONNECTIVITY

- Nearly **95%** of the PTOp system is communicating with and being actively managed from the Sandy Springs TCC.*
 - **13** cameras currently online in Sandy Springs with remote access and monitoring capabilities.
 - **8** cameras in Dunwoody and Brookhaven planned to go online in early Fall 2013.

**EXCLUDES 3 ISOLATED INTERSECTIONS NOT PLANNED FOR INTEGRATION*



PROGRAM ACHIEVEMENTS

PTOP Project Summary (To-Date)	
Daily Vehicle-Hours of Travel Reduced by:	935 Vehicle-Hours
Daily Fuel Consumption Reduced by:	640 Gallons
Daily Pollutant Emissions Reduced by:	1,490 Pounds VOC, NOx
Daily Time and Fuel Cost Savings:	\$15,700 Dollars
Annual Time and Fuel Cost Savings:	\$3,926,070 Dollars
Equivalent Annual Project Cost	\$60,500 Dollars
Average Daily Traffic:	215,000 Total Vehicles /Day
Annual Benefit/Cost Ratio:	64.9 /1

The new timing plans pay for themselves approximately every 3.9 workdays.

(AS OF 7/2013)



PROGRAM ACHIEVEMENTS

- Optimization of the “**Big 3**” corridors completed in May 2013:
 - ✓ **Ashford Dunwoody Road**
 - ✓ **Peachtree Dunwoody Road**
 - ✓ **Perimeter Center West/ Abernathy Road**
- Future Corridors for optimization this year include Hammond Road, Mt. Vernon Road, Chamblee Dunwoody Road, Johnson Ferry Road, Glenridge Road



PROGRAM ACHIEVEMENTS

- Average vehicular delay (*stopped time*) **reduced on the corridors by 29%**.
- Motorists using the corridors during the three peak periods will **save 233,680 hours of travel time** and **160,290 gallons of gasoline** each year because of improved traffic flow due to the new timing plans.
- Reduced DDI Weave Maneuver by over **60%**.

**BOTTOM LINE: INCREASED EFFICIENCY
& IMPROVED SAFETY!**



BENEFIT

- The synchronization of the majority of **99 traffic signals along major, arterial corridors within and adjacent to the PCIDs** represents a big step to improve traffic congestion in the Perimeter business district.



Hammond Half-Diamond



Ashford Dunwoody DDI

- Together with the innovative Diverging Diamond Interchange (DDI) at I-285 and Ashford Dunwoody Road and the Hammond Half-Diamond Interchange at GA 400, **PTOP helps to mitigate traffic and positively impact commute times** for drivers within the Perimeter market on a daily basis.

MAKING THE CONNECTION



PCIDs & GDOT: PARTNERS FOR SUCCESS



On behalf of the PCIDs,
Thank You for your
partnership to move
Atlanta forward and
keep our state
competitive!



MAKING THE CONNECTION