

TRANSPORTATION CAPITAL PROGRAM

The transportation capital program for fiscal year 2017 through fiscal year 2021 consists of a variety of transportation construction and maintenance capital projects primarily funded by state and local gas taxes and payments from other government agencies.

This section is organized in the following manner:

	Page
Five Year Revenue and Appropriation Summary	1-2
Road Expansion Projects Chart	1-5
Road Projects Description	1-6
Maintenance and Improvement Projects Description	1-8
Traffic Engineering Projects Description	1-10
Capital Program Support Description	1-12
Reserves and Transfers Description	1-14
Appendix	1-16

TRANSPORTATION CAPITAL PROGRAM

	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>
REVENUES					
80% Constitutional Gas Tax	12,300,000	12,300,000	12,300,000	12,178,000	12,057,000
20% Constitutional Gas Tax	3,100,000	3,100,000	3,100,000	3,069,000	3,039,000
Original Local Option Gas Tax	31,300,000	31,300,000	31,300,000	30,990,000	30,683,000
1994 Local Option Gas Tax	11,000,000	11,000,000	11,000,000	10,891,000	10,783,000
1998 Local Option Gas Tax	7,500,000	7,500,000	7,500,000	7,426,000	7,352,000
2000 Local Option Gas Tax	5,600,000	5,600,000	5,600,000	5,545,000	5,490,000
Ninth Cent Gas Tax	9,000,000	9,000,000	9,000,000	8,911,000	8,823,000
Interest Earnings	800,000	776,700	754,080	732,120	710,800
Transportation Concurrency Fees	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000
Less 5%	(4,180,000)	(4,178,840)	(4,177,700)	(4,137,110)	(4,096,890)
State Grants	3,803,630	0	6,250,000	0	0
Pembroke Rd., Dykes to Silver Shore State and City Reimbursements	8,000,000	0	0	0	0
Wiles Rd., Rock Island to State Road 7 City Reimbursements	969,000	0	0	0	0
Fund Balance	46,700,000	28,742,230	23,874,340	7,884,320	4,163,680
Transfer from County Transportation Trust Fund	1,114,100	0	0	0	0
Impact Fees/Fund Balance	500,000	0	0	0	0
Impact Fee Interest/Fund Balance	96,190	99,080	102,050	105,110	108,260
Transportation Concurrency Fund Balance	12,000,000	0	0	0	0
TOTAL REVENUES	<u>\$152,602,920</u>	<u>\$108,239,170</u>	<u>\$109,602,770</u>	<u>\$86,594,440</u>	<u>\$82,112,850</u>

APPROPRIATIONS

Road Projects

Davie Rd. Extension, Stirling to University	3,654,000	0	0	0	0
Wiles Rd., Riverside to Rock Island	6,300,000	0	0	0	0
Wiles Rd., University to Riverside	1,200,000	0	12,500,000	0	0
Wiles Rd., Rock Island to State Road 7	790,000				
Pembroke Rd., Dykes to Silver Shore	8,000,000	0	0	0	0
Ravenswood Rd., Griffin to Stirling	557,000	0	0	0	0
Loxahatchee Road, Parkside Dr. to Wildlife Refuge	0	0	3,765,000	0	0
Sheridan Street and Dykes Road	120,000	0	2,160,000	0	0
Subtotal Road Projects	<u>20,621,000</u>	<u>0</u>	<u>18,425,000</u>	<u>0</u>	<u>0</u>

TRANSPORTATION CAPITAL PROGRAM

	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>
<u>Maintenance and Improvement Projects</u>					
Road Maintenance	305,000	305,000	305,000	305,000	305,000
Road Improvements/Railroad Crossings	700,000	400,000	400,000	400,000	400,000
Guardrail Repair	400,000	400,000	400,000	400,000	400,000
Resurfacing	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000
Sidewalks/ADA	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000
Bridge Maintenance Program	1,376,000	1,376,000	1,376,000	1,376,000	1,376,000
Roadway Stormwater Maintenance	1,340,000	1,340,000	1,340,000	1,340,000	1,340,000
ADA Ramp Improvement on Resurfacing Projects and Existing Roadways	1,200,000	1,200,000	0	0	0
Bike Lane Construction	500,000	500,000	500,000	500,000	500,000
Andrews Avenue Bascule Bridge Rehabilitation	258,000	0	0	0	0
McNab Rd. Bridge over US-441	3,000,000	0	0	0	0
Highway and Bridge Maintenance Facility Renovation	1,114,100	0	0	0	0
Subtotal Maintenance and Improvement Projects	<u>12,593,100</u>	<u>7,921,000</u>	<u>6,721,000</u>	<u>6,721,000</u>	<u>6,721,000</u>
<u>Traffic Engineering Projects</u>					
Traffic Control Devices & Equipment	4,107,000	4,312,350	4,528,000	4,754,000	4,992,000
School Zone & Pedestrian Safety Improvements	976,000	300,000	300,000	200,000	200,000
Signalization Engineering Improvements	2,700,000	2,700,000	2,700,000	2,700,000	2,700,000
Mast Arms	3,090,000	3,090,000	3,090,000	3,090,000	3,090,000
Communication System Maintenance & Enhancement	300,000	400,000	400,000	400,000	400,000
Street Lighting Infrastructure Repairs	200,000	50,000	50,000	50,000	50,000
Sign Retro-Reflectivity Upgrades	100,000	100,000	70,000	0	0
Traffic Control Cabinet Security System	750,000	0	0	0	0
Subtotal Traffic Engineering Projects	<u>12,223,000</u>	<u>10,952,350</u>	<u>11,138,000</u>	<u>11,194,000</u>	<u>11,432,000</u>

TRANSPORTATION CAPITAL PROGRAM

	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>
<u>Capital Program Support</u>					
Special Purpose Equipment	1,905,000	970,000	910,000	900,000	845,000
Capital Cost Allocation	688,540	688,540	688,540	688,540	688,540
Capital Project Highway Construction & Engineering Support	1,367,050	1,367,050	1,367,050	1,025,300	769,000
Capital Project Highway Bridge Maintenance Support	149,230	149,230	149,230	149,230	149,230
Capital Project Traffic Engineering Support	1,197,580	1,197,580	1,197,580	1,197,580	1,197,580
Subtotal Capital Program Support	<u>5,307,400</u>	<u>4,372,400</u>	<u>4,312,400</u>	<u>3,960,650</u>	<u>3,649,350</u>
<u>Reserves and Transfers</u>					
Reserve for Contingencies	600,000	600,000	600,000	600,000	600,000
Reserve for Committed Projects	28,742,230	23,874,340	7,884,320	4,163,680	316,240
Transfer to Mass Transit Operations	57,570,000	57,570,000	57,570,000	57,000,000	56,436,000
Transfer to the General Fund for Impact Fee Administration	96,190	99,080	102,050	105,110	108,260
Transfer to Transit Capital Fund for Concurrency Projects	3,150,000	0	0	0	0
Transfer to the General Fund for Concurrency Program Administration	80,000	0	0	0	0
Transportation Concurrency Reserve for Projects	11,620,000	2,850,000	2,850,000	2,850,000	2,850,000
Subtotal Reserves and Transfers	<u>101,858,420</u>	<u>84,993,420</u>	<u>69,006,370</u>	<u>64,718,790</u>	<u>60,310,500</u>
TOTAL APPROPRIATIONS	<u>\$152,602,920</u>	<u>\$108,239,170</u>	<u>\$109,602,770</u>	<u>\$86,594,440</u>	<u>\$82,112,850</u>

FY16-21 ROAD EXPANSION PROJECTS

<u>Road Project</u>	<u>Existing Lanes</u>	<u>Proposed Lanes</u>	<u>Segment Length (miles)</u>	<u>Fiscal Year of Construction</u>
Pine Island Rd., I-595 to Nova Dr.*	4L	6L	1.0	16
Wiles Rd., State Rd. 7 to Rock Island*	4L	6L	1.1	16
Ravenswood, Griffin Rd. to Stirling Rd.*	2L	2L	1.0	17
Davie Rd. Ext./Stirling Rd. to University Dr.*	2L	2L	1.5	18
Wiles Rd., Riverside to Rock Island*	4L	6L	1.0	17
Wiles Rd., University to Riverside	4L	6L	1.0	20
Pembroke Rd., Dykes to Silver Shore*	2L	4L	1.0	18
NE 3rd Ave., Sample to 48th St.*	2L	4L	1.0	16
Loxahatchee Rd., Parkside Dr. to Lox Wildlife Refuge	2L	2L	6.2	19

*All or partially funded in past years.

BROWARD COUNTY CAPITAL BUDGET

PROGRAM
Transportation

PROJECT
Road Projects

Funding Summary

	Actual Expenses Through FY15	Modified FY16 Budget	FY17-21						Total
			Design	FY	Construction	FY	Other	FY	
Davie Rd. Extension, Stirling to University	20,364	164,635	0	---	3,654,000	17	0	---	3,838,999
Wiles Rd., Riverside to Rock Island	0	6,392,430	0	---	6,300,000	17	0	---	12,692,430
Wiles Rd., University to Riverside	0	0	1,200,000	17	12,500,000	19	0	---	13,700,000
Wiles Rd., Rock Island to State Road 7	1,071,348	11,885,133	0	---	790,000	17	0	---	13,746,481
Pembroke Rd., Dykes to Silver Shore	0	745,000	0	---	8,000,000	17	0	---	8,745,000
Ravenswood Rd., Griffin to Stirling	138,199	3,769,068	0	---	557,000	17	0	---	4,464,267
Loxahatchee Road, Parkside Dr. to Wildlife Refuge	0	0	0	---	3,765,000	19	0	---	3,765,000
Sheridan Street and Dykes Road	0	0	120,000	17	2,160,000	19	0	---	2,280,000

Project Comments

- The program includes funding to improve county road segments that currently are, or are projected to be, operating at an unacceptable level of service in accordance with standards set within the adopted comprehensive plan transportation element.
- The Florida Department of Transportation (FDOT) has awarded Broward County four County Incentive Grants. FDOT funding will be provided in FY17 for the Wiles Road (Riverside to Rock Island) project in the amount of \$2.8 million; and in FY19 for the Wiles Road (University to Riverside) project in the amount of \$6.25 million. In FY17, funding will be provided in the amount of \$1.0 million for the Davie Road Extension project. FDOT funding will also be provided in FY17 for the Pembroke Road project in the amount of \$4 million. The remaining project cost for the Pembroke Road project is budgeted as a reimbursement from the City of Miramar and the City of Pembroke Pines in the amount of \$4 million. This project is 100% funded by the State and Cities with the County contributing in-house project management.
- Funding to relieve traffic congestion at the Sheridan Street and Dykes Road intersection is provided in FY17 (design) and FY19 (construction).
- In FY17, \$500,000 in impact fees from Zone 6 are programmed for the Davie Road Extension project.

BROWARD COUNTY CAPITAL BUDGET

- In FY17, funding in the amount of \$969,000 is budgeted as a reimbursement from the City of Coral Springs for the Wiles Road (Rock Island to State Road 7) project.
- In FY19, funding in the amount of \$3,765,000 is budgeted for the County's cost share of the construction portion of the Loxahatchee Road, Parkside Dr. to Wildlife Refuge project. The Florida Department of Transportation is also contributing an \$11.5m grant to the project for design and the construction of the County road portion of the project. The County is completing the survey portion for the entire project using in-house staff and FDOT is managing the project.
- Funding is provided in FY17, for integrated Public Art, for the following road projects:
 - ▶ Wiles Rd., Riverside to Rock Island: \$32,860
 - ▶ Ravenswood Rd., Griffin to Stirling: \$25,400

Funding Schedule

Funding Sources	FY17	FY18	FY19	FY20	FY21	TOTAL
Transportation Construction Revenues	7,348,370	0	12,175,000	0	0	19,523,370
State Grants	3,803,630	0	6,250,000	0	0	10,053,630
City Reimbursements	8,969,000	0	0	0	0	8,969,000
Impact Fees/Fund Balance	500,000	0	0	0	0	500,000
TOTAL	20,621,000	0	18,425,000	0	0	39,046,000

Funding Requirements

Design	1,320,000	0	0	0	0	1,320,000
Construction	19,301,000	0	18,425,000	0	0	37,726,000
TOTAL	20,621,000	0	18,425,000	0	0	39,046,000

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Transportation

PROJECT

Maintenance and Improvement Projects

Funding Summary

	Actual Expenses Through FY15	Modified FY16 Budget	FY17-21						Total
			Design	FY	Construction	FY	Other	FY	
Road Maintenance	N/A	N/A	0	--	1,525,000	MY	0	--	1,525,000
Road Improvements/Railroad Crossings	N/A	N/A	0	--	2,300,000	MY	0	--	2,300,000
Guardrail Repair	N/A	N/A	0	--	2,000,000	MY	0	--	2,000,000
Resurfacing	N/A	N/A	0	--	6,000,000	MY	0	--	6,000,000
Sidewalks/ADA	N/A	N/A	0	--	6,000,000	MY	0	--	6,000,000
Bridge Maintenance Program	N/A	N/A	0	--	6,880,000	MY	0	--	6,880,000
Roadway Stormwater Maintenance	N/A	N/A	0	--	6,700,000	MY	0	--	6,700,000
ADA Ramp Improvement on Resurfacing Projects and Existing Roadways	4,166,252	2,840,980	0	--	2,400,000	MY	0	--	9,407,232
Bike Lane Construction	0	400,000	0	--	2,500,000	MY	0	--	2,900,000
Andrews Avenue Bascule Bridge Rehabilitation	584,603	6,441,897	0	--	258,000	17	0	--	7,284,500
McNab Rd. Bridge over US-441	0	0	0	--	0	--	3,000,000	17	3,000,000
Highway and Bridge Maintenance Facility Renovation	0	0	107,800	17	1,006,300	17	0	--	1,114,100

Project Comments

- Funds are provided for resurfacing, road maintenance, road improvements, and other miscellaneous improvements on County classified roadways.
- An annual appropriation is provided to enhance ongoing efforts to assess, repair, and replace guardrails on County roadways.
- Ongoing funding is provided to install sidewalks to better serve pedestrians and to comply with Americans with Disabilities Act (ADA) requirements.
- The bridge maintenance program provides for continual maintenance on the County's 92 bridges to ensure safety compliance.
- The Roadway Stormwater Maintenance program involves the inspection of storm sewers using video cameras to evaluate the condition of drainage infrastructure and subsequently repair or replace the infrastructure, based on the results of the evaluation.
- The ADA ramp improvement project will improve curb ramps that are adjacent to road resurfacing projects to better serve pedestrians and to comply with Americans with Disabilities Act (ADA) requirements.
- During FY17-21, funds are provided for the installation of bike lanes on the shoulders of various county roads to promote safety for cyclists and motorists.

BROWARD COUNTY CAPITAL BUDGET

- The Andrews Avenue bascule bridge rehabilitation project involves replacing both the electrical and mechanical system due to the age of the equipment. The bridge was built in 1983, and the typical life cycle for a bascule bridge is 15 to 20 years. The construction phase of this project is scheduled to begin in Fiscal Year 2017.
- In FY17, funds are provided for the painting of the McNab Road bridge over Highway 441. This bridge has not been fully repainted since its original installation.
- In FY17, funds are provided for the expansion of the Highway and Bridge Maintenance Facility to accommodate positions in this Division over the past few years that transitioned into the project management role for additional capital projects that were assigned to this Division.

Funding Schedule

<u>Funding Sources</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>TOTAL</u>
Transportation Construction Revenues	11,479,000	7,921,000	6,721,000	6,721,000	6,721,000	39,563,000
Transfer From County Transportation Trust Fund	1,114,100	0	0	0	0	1,114,100
TOTAL	12,593,100	7,921,000	6,721,000	6,721,000	6,721,000	40,677,100

Funding Requirements

Road Maintenance	305,000	305,000	305,000	305,000	305,000	1,525,000
Road Improvements/Railroad Crossings	700,000	400,000	400,000	400,000	400,000	2,300,000
Guardrail Repair	400,000	400,000	400,000	400,000	400,000	2,000,000
Resurfacing	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	6,000,000
Sidewalks/ADA	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	6,000,000
Bridge Maintenance Program	1,376,000	1,376,000	1,376,000	1,376,000	1,376,000	6,880,000
Roadway Stormwater Maintenance	1,340,000	1,340,000	1,340,000	1,340,000	1,340,000	6,700,000
ADA Ramp Improvement on Resurfacing Projects and Existing Roadways	1,200,000	1,200,000	0	0	0	2,400,000
Bike Lane Construction	500,000	500,000	500,000	500,000	500,000	2,500,000
Andrews Avenue Bascule Bridge Rehabilitation	258,000	0	0	0	0	258,000
McNab Rd. Bridge over US-441	3,000,000	0	0	0	0	3,000,000
Highway and Bridge Maintenance Facility Renovation	1,114,100	0	0	0	0	1,114,100
TOTAL	12,593,100	7,921,000	6,721,000	6,721,000	6,721,000	40,677,100

BROWARD COUNTY CAPITAL BUDGET

PROGRAM
Transportation

PROJECT
Traffic Engineering Projects

Funding Summary

	Actual Expenses Through FY15	Modified FY16 Budget	FY17-21						Total
			Design	FY	Construction	FY	Other	FY	
Traffic Control Devices & Equipment	N/A	N/A	0	--	22,693,350	MY	0	--	22,693,350
School Zone & Pedestrian Safety Improvements	1,232,688	4,759,862	0	--	1,976,000	MY	0	--	7,968,550
Signalization Engineering Improvements	5,392,629	6,351,011	0	--	13,500,000	MY	0	--	25,243,640
Mast Arms	21,612,062	15,036,113	0	--	15,450,000	MY	0	--	52,098,175
Communication System Maintenance & Enhancement	1,350,191	448,809	0	--	1,900,000	MY	0	--	3,699,000
Street Lighting Infrastructure Repairs	78,215	546,785	0	--	400,000	MY	0	--	1,025,000
Sign Retro-Reflectivity Upgrades	43,750	156,250	0	--	270,000	MY	0	--	470,000
Traffic Control Cabinet Security System	0	0	0	--	0	--	750,000	17	750,000

Project Comments

- The Traffic Control Devices and Equipment program includes on-going funds for materials, traffic signals, traffic signs, street lights, video cameras and pavement markings. The funding not only provides for the on-going maintenance of signs, signal equipment, and road striping equipment of existing roads, but also provides for the installation of traffic control devices along new roads. The goal of this program is to implement effective traffic control devices to reduce traffic congestion.
- The School Zone & Pedestrian Safety Improvements program will repair and upgrade the County's signal system infrastructure. Planned infrastructure improvement projects include construction of overhead mast-arm school flashers; installation of numeric pedestrian countdown traffic signal timers; conversion of non-flashing school signs to flashing beacons; relocation of existing school zone beacons to match new start-and-end limits of the roadway 15-mph speed zone; restoration of aging school zone pedestrian and bicycle pavement marking and signage; construction of pedestrian and bicycle connectors; implementation of solar-powered school flasher devices; and the development of educational materials and tools which highlight pedestrian safety.
- The Signalization Engineering Improvements (SEI) project is the deployment of advanced technologies to optimize traffic flow, improve transit schedules, and reduce congestion. The project includes the upgrade of existing traffic operational and maintenance protocols, upgrade of the existing copper-wire based central control system to a more efficient and effective communication infrastructure, installation and configuration of new traffic control software and hardware, and the upgrade of pertinent field controllers and devices to improve signal coordination and traffic flow throughout the County.

BROWARD COUNTY CAPITAL BUDGET

- The Mast Arms program converts signalized intersections from span wire to mast arms primarily to minimize the impact of wind storm events.
- The Communication System Maintenance and Enhancements program installs communication infrastructure and supporting electronic equipment to support in-house communication enhancements to the existing traffic communication network. The project includes replacement of switches, routers, and cables to maintain and enhance the existing copper wire-based communication network.
- The Street Lighting project will repair and upgrade the County's street lighting infrastructure to increase system reliability, reduce light outages and increase safety for motorists, pedestrians and bicyclists using the roadway right-of-way.
- The Sign Retro-Reflectivity Upgrade program will facilitate the implementation of recent mandates established by the Federal Highway Administration requiring all traffic maintaining agencies (such as Broward County) to establish a management program, which assures the safe reflectivity levels of traffic control signs. The funding associated with this project will support the purchase of reflectivity measuring equipment, sheeting materials, specialized installation equipment, and the service-related costs for construction/installation of the upgraded signs.
- Funding is provided in FY17 for the conversion of existing traffic signal cabinet mechanical locks to electronically accessible locking systems to better control access to County-maintained traffic signal cabinets.

Funding Schedule

Funding Sources	FY17	FY18	FY19	FY20	FY21	TOTAL
Transportation Construction Revenues	12,223,000	10,952,350	11,138,000	11,194,000	11,432,000	56,939,350
TOTAL	12,223,000	10,952,350	11,138,000	11,194,000	11,432,000	56,939,350

Funding Requirements

Traffic Control Devices & Equipment	4,107,000	4,312,350	4,528,000	4,754,000	4,992,000	22,693,350
School Zone & Pedestrian Safety Improvements	976,000	300,000	300,000	200,000	200,000	1,976,000
Signalization Engineering Improvements	2,700,000	2,700,000	2,700,000	2,700,000	2,700,000	13,500,000
Mast Arms	3,090,000	3,090,000	3,090,000	3,090,000	3,090,000	15,450,000
Communication System Maintenance & Enhancement	300,000	400,000	400,000	400,000	400,000	1,900,000
Street Lighting Infrastructure Repairs	200,000	50,000	50,000	50,000	50,000	400,000
Sign Retro-Reflectivity Upgrades	100,000	100,000	70,000	0	0	270,000
Traffic Control Cabinet Security System	750,000	0	0	0	0	750,000
TOTAL	12,223,000	10,952,350	11,138,000	11,194,000	11,432,000	56,939,350

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Transportation

PROJECT

Capital Program Support

Funding Summary

	Actual Expenses Through FY15	Modified FY16 Budget	FY17-21						Total
			Design	FY	Construction	FY	Other	FY	
Special Purpose Equipment	N/A	N/A	0	--	0	--	5,530,000	MY	5,530,000
Capital Cost Allocation	N/A	N/A	0	--	0	--	3,442,700	MY	3,442,700
Capital Project Highway Construction & Engineering Support	N/A	N/A	0	--	0	--	5,895,450	MY	5,895,450
Capital Project Highway Bridge Maintenance Support	N/A	N/A	0	--	0	--	746,150	MY	746,150
Capital Project Traffic Engineering Support	N/A	N/A	0	--	0	--	5,987,900	MY	5,987,900

Project Comments

- Replacement of special purpose equipment is associated with maintenance and construction projects, and traffic engineering operations.
- Other support costs include a cost allocation to reimburse the General Fund for direct and indirect costs incurred by central service agencies, direct and indirect costs incurred by other agencies, and costs for related tasks which support the transportation capital program.
- In FY17, there are 14 positions funded for Highway Construction & Engineering support for capital projects. Annual funding is provided to support an eight position in-house team for inspection, a five position in-house team for design of capital projects to ensure compliance with County standards, and one position to oversee the construction program. This team is reviewed annually and adjusted as appropriate based on workload. The inspection team's efforts result in reduced inspection and design costs.
- There is one position funded for Highway Bridge Maintenance to support the bridge maintenance program.
- Annual funding is provided to support 14 positions in Traffic Engineering for work on the Mast Arms, Signalization Engineering Improvements, and Video Detection programs.

BROWARD COUNTY CAPITAL BUDGET

Funding Schedule

<u>Funding Sources</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>TOTAL</u>
Transportation Construction Revenues	5,307,400	4,372,400	4,312,400	3,960,650	3,649,350	21,602,200
TOTAL	5,307,400	4,372,400	4,312,400	3,960,650	3,649,350	21,602,200
<u>Funding Requirements</u>						
Special Purpose Equipment	1,905,000	970,000	910,000	900,000	845,000	5,530,000
Capital Cost Allocation	688,540	688,540	688,540	688,540	688,540	3,442,700
Highway Construction & Engineering Support	1,367,050	1,367,050	1,367,050	1,025,300	769,000	5,895,450
Highway Bridge Maintenance Support	149,230	149,230	149,230	149,230	149,230	746,150
Traffic Engineering Support	1,197,580	1,197,580	1,197,580	1,197,580	1,197,580	5,987,900
TOTAL	5,307,400	4,372,400	4,312,400	3,960,650	3,649,350	21,602,200

BROWARD COUNTY CAPITAL BUDGET

PROGRAM
Transportation

PROJECT
Reserves & Transfers

Funding Summary

	Actual Expenses Through FY15	Modified FY16 Budget	FY17-21						Total
			Design	FY	Construction	FY	Other	FY	
Reserve for Contingencies	N/A	N/A	0	--	0	--	3,000,000	MY	3,000,000
Reserve for Committed Projects	N/A	N/A	0	--	0	--	64,980,810	MY	64,980,810
Transfer to Mass Transit Operations	N/A	N/A	0	--	0	--	286,146,000	MY	286,146,000
Transfer to the General Fund for Impact Fee Administration	N/A	N/A	0	--	0	--	510,690	MY	510,690
Transfer to Transit Capital Fund for Concurrency Projects	23,610,763	4,480,080	0	--	0	--	3,150,000	17	31,240,843
Transfer to the General Fund for Concurrency Administration	266,000	80,000	0	--	0	--	80,000	17	426,000
Transportation Concurrency Reserve for Projects	N/A	N/A	0	--	0	--	23,020,000	MY	23,020,000

Project Comments

- Reserves are established each year for contingencies and to carry over funds for committed projects into future fiscal years. The FY17 \$28.7 million reserve for committed projects is spent down over the life of the five year program.
- The transfers to the general fund support the staff in the Planning and Development Management Division responsible for administering the impact fee and concurrency programs.
- The Transportation Concurrency program provides for new development to pay a "fair share" contribution toward specific Transportation Capital Projects.
- For FY17, the transfer of Transportation Concurrency Fees to the Transit Capital Fund provides funding to construct bus shelters at the Miramar Park-and-Ride facility, Tri-Rail direct access on Cypress Creek Road and projected cost increases for the WAVE Modern Streetcar project.
- From FY17-21, approximately \$286 million is programmed to transfer to the Mass Transit Operations Fund to support public transportation system operations and maintenance.
- Transportation Concurrency reserves are budgeted in FY17-21 for future planned transportation projects.

BROWARD COUNTY CAPITAL BUDGET**Funding Schedule**

<u>Funding Sources</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>TOTAL</u>
Transportation Construction Revenues	86,912,230	81,993,420	66,006,370	61,718,790	57,310,500	353,941,310
Transportation Concurrency Fees	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	15,000,000
Less 5%	(150,000)	0	0	0	0	(150,000)
Impact Fee Interest and Fund Balance	96,190	0	0	0	0	96,190
Transportation Concurrency Fund Balance	12,000,000	0	0	0	0	12,000,000
TOTAL	101,858,420	84,993,420	69,006,370	64,718,790	60,310,500	380,887,500
<u>Funding Requirements</u>						
Reserve for Contingencies	600,000	600,000	600,000	600,000	600,000	3,000,000
Reserve for Committed Projects	28,742,230	23,874,340	7,884,320	4,163,680	316,240	64,980,810
Transfer to Mass Transit Operations	57,570,000	57,570,000	57,570,000	57,000,000	56,436,000	286,146,000
Transfer to the General Fund for Impact Fee Administration	96,190	99,080	102,050	105,110	108,260	510,690
Transfer to Transit Capital Fund for Concurrency Projects	3,150,000	0	0	0	0	3,150,000
Transfer to the General Fund for Concurrency Administration	80,000	0	0	0	0	80,000
Transportation Concurrency Reserve for Projects	11,620,000	2,850,000	2,850,000	2,850,000	2,850,000	23,020,000
TOTAL	101,858,420	84,993,420	69,006,370	64,718,790	60,310,500	380,887,500

TRANSPORTATION CAPITAL
PROGRAM APPENDIX

Fund Summary

Fund Detail

TRANSPORTATION CAPITAL PROGRAM APPENDIX

FUND SUMMARY

The funding for the Transportation Construction Program involves several funds and numerous transfers between funds. Most transportation revenues, such as the constitutional gas tax and local option gas taxes, flow through the County Transportation Trust Funds and are then transferred to other funds. In most cases, these revenues are transferred to the capital outlay funds including the Streets & Highways Capital Outlay Fund, the Engineering Capital Outlay Fund, and the Constitutional Gas Tax Capital Outlay Fund. The exception to this rule are funds transferred directly to the Mass Transit Operating and Capital Funds and to various other funds to pay for the cost of implementing the construction program.

The Transportation Construction Program for fiscal year 2017 is summarized below as follows:

County Transportation Trust Fund	96,356,190
Less Transfers Internal to the Capital Program	(23,840,000)
Less Transfers External to the Capital Program	(60,896,190)
TOTAL	\$11,620,000
Capital Outlay Fund	
Streets & Highways Capital Outlay	8,681,000
Engineering Capital Outlay	11,514,100
Constitutional Gas Tax Capital Outlay	59,891,630
TOTAL	\$80,086,730

COUNTY TRANSPORTATION TRUST FUND

Constitutional Gas Taxes (1020)

REVENUES	<u>FY17</u>
80% Portion Constitutional Gas Tax	12,300,000
20% Portion Constitutional Gas Tax	3,100,000
Less 5%	(770,000)
Fund Balance	1,000,000
TOTAL	\$15,630,000
 APPROPRIATIONS	
Transfer to Constitutional Gas Tax Projects (3155)	7,049,000
Transfer to Streets & Highways Capital Outlay Fund (3110)	8,581,000
TOTAL	\$15,630,000

COUNTY TRANSPORTATION TRUST FUND

Road Impact Fee Fund (1030)

REVENUES

FY17

Fund Balance (Interest)	96,190
Fund Balance (Impact Fees)	500,000

TOTAL **\$596,190**

APPROPRIATIONS

Transfer to the General Fund (0010)	96,190
Transfer to the Constitutional Gas Tax Capital Outlay Fund (3155)	500,000

TOTAL **\$596,190**

COUNTY TRANSPORTATION TRUST FUND

Local Option Gas Tax Fund (1040)

REVENUES	<u>FY17</u>
Original Local Option Gas Tax	31,300,000
1994 Local Option Gas Tax	11,000,000
1998 Local Option Gas Tax	7,500,000
2000 Local Option Gas Tax	5,600,000
Ninth Cent Gas Tax	9,000,000
Less 5%	(3,220,000)
Fund Balance	4,100,000
TOTAL	\$65,280,000
 APPROPRIATIONS	
Transfer to Mass Transit Operations (0045)	57,570,000
Transfer to Engineering Capital Outlay (3150)	7,710,000
TOTAL	\$65,280,000

COUNTY TRANSPORTATION TRUST FUND

Transportation Concurrency Fund (1050)

REVENUES	<u>FY17</u>
Transportation Concurrency Fees	3,000,000
Less 5%	(150,000)
Fund Balance	12,000,000
TOTAL	\$14,850,000
 APPROPRIATIONS	
Transfer to Transit Capital Fund (3451)	3,150,000
Transfer to General Fund (0010)	80,000
Reserve for Projects	11,620,000
TOTAL	\$14,850,000

CAPITAL OUTLAY FUND

Streets & Highways Capital Outlay Fund (3110)

REVENUES	<u>FY17</u>
Transfer from Constitutional Gas Tax Fund (1020)	8,581,000
Fund Balance	100,000
TOTAL	\$8,681,000

APPROPRIATIONS	
Road Maintenance	305,000
Road Improvements/Railroad Crossings	700,000
Guardrail Repair	400,000
Bike Lane Construction	500,000
McNab Rd. Bridge over US-441	3,000,000
Resurfacing	1,200,000
Bridge Maintenance Program	1,376,000
ADA Ramp Improvement on Resurfacing Projects	1,200,000
TOTAL	\$8,681,000

CAPITAL OUTLAY FUND

Engineering Capital Outlay Fund (3150)

REVENUES	<u>FY17</u>
Interest Earnings	200,000
Less 5%	(10,000)
Transfer from Local Option Gas Tax Fund (1040)	7,710,000
Fund Balance	2,500,000
Transfer from County Transportation Trust Fund (1010)	1,114,100
TOTAL	\$11,514,100

APPROPRIATIONS

Signalization Engineering Improvements	2,700,000
Sidewalks/ADA	1,200,000
Sign Retro-Reflectivity Upgrades	100,000
Capital Cost Allocation	688,540
Highway Construction & Engineering Support	1,367,050
Highway Bridge Maintenance Support	149,230
Traffic Engineering Support	1,197,580
Street Lighting Infrastructure Repairs	200,000
Communication System Maintenance & Enhancement	300,000
Special Purpose Equipment	1,905,000
Traffic Control Devices and Equipment	592,600
Highway and Bridge Maintenance Facility Renovation	1,114,100
TOTAL	\$11,514,100

CAPITAL OUTLAY FUND

Constitutional Gas Tax Capital Outlay Fund (3155)

REVENUES	<u>FY17</u>
Interest Earnings	600,000
Less 5%	(30,000)
Transfer from Constitutional Gas Tax Fund (1020)	7,049,000
State Grants	3,803,630
Pembroke Rd., Dykes to Silver Shore State and City Reimbursements	8,000,000
Wiles Rd., State Rd. 7 to Rock Island City Reimbursements	969,000
Transfer from Impact Fee Fund (1030)	500,000
Fund Balance	39,000,000
TOTAL	\$59,891,630

APPROPRIATIONS

Wiles Rd., State Rd. 7 to Rock Island	790,000
Ravenswood Rd., Griffin to Stirling	557,000
Davie Rd. Extension, Stirling to University	3,654,000
Wiles Rd., Riverside to Rock Island	6,300,000
Wiles Rd., University to Riverside	1,200,000
Pembroke Rd., Dykes to Silver Shore	8,000,000
Sheridan Street and Dykes Road	120,000
Andrews Avenue Bascule Bridge Rehabilitation	258,000
School Zone & Pedestrian Safety Improvements	976,000
Traffic Control Devices & Equipment	3,514,400
Mast Arms	3,090,000
Roadway Stormwater Maintenance	1,340,000
Traffic Control Cabinet Security System	750,000
Reserve for Committed Projects	28,742,230
Reserve for Contingencies	600,000
TOTAL	\$59,891,630