

PROJECTS UPDATE



City of Port St Lucie
Engineering Department
City Council Retreat
February, 2012



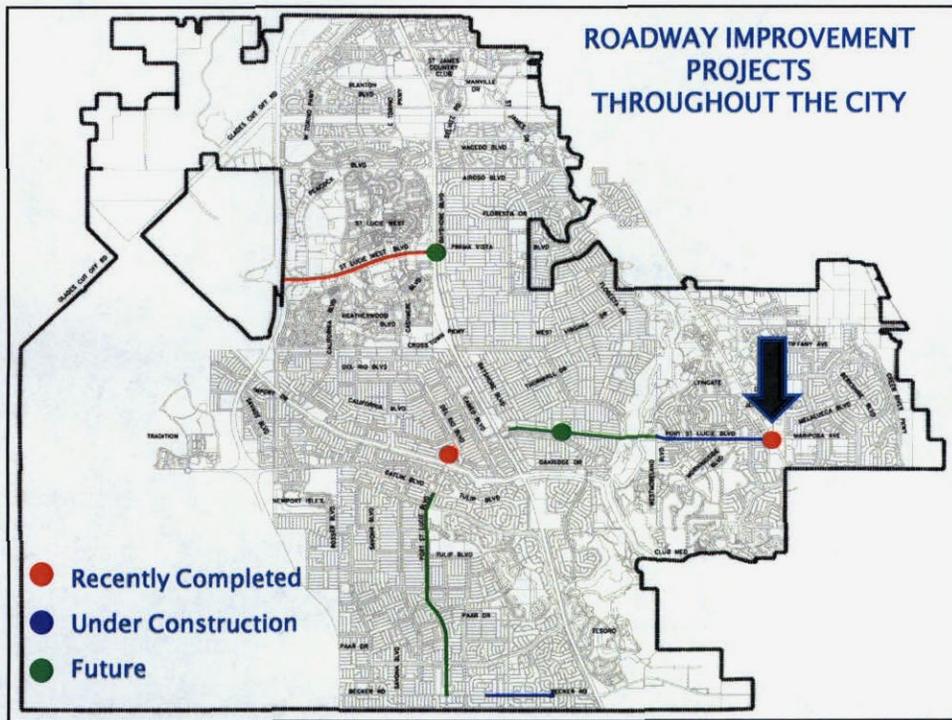
ROADWAY IMPROVEMENT PROJECTS



PORT ST. LUCIE BLVD RECONSTRUCTION



Complete!
Funded by ARRA
(American Recovery and Reinvestment Act)



ST LUCIE WEST BLVD IRRIGATION UPGRADE



I-95 to Bayshore Blvd

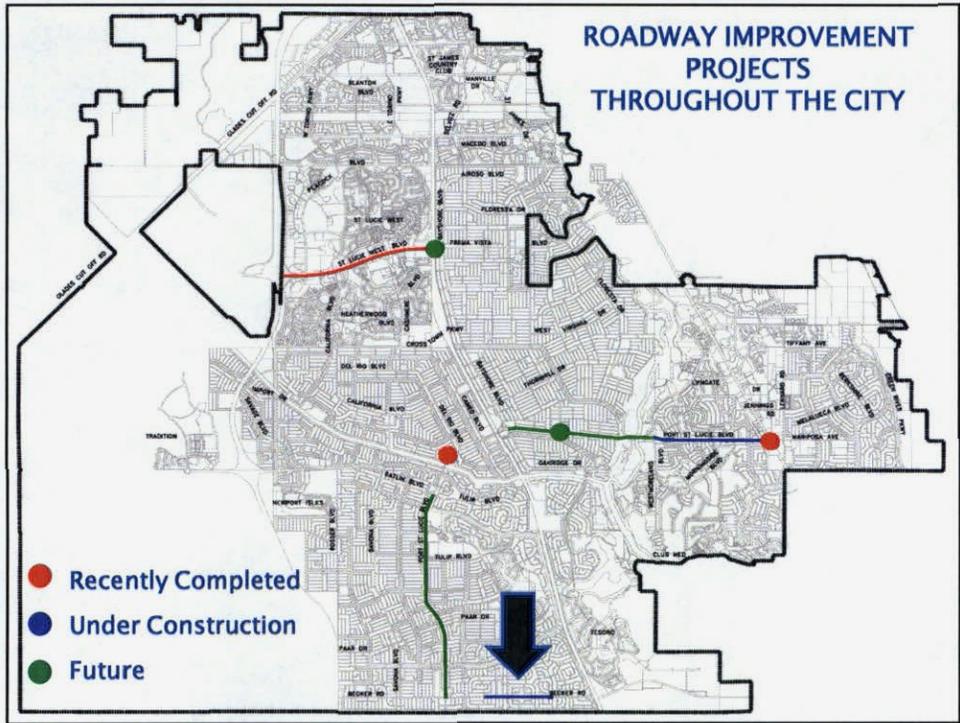


ST LUCIE WEST BLVD IRRIGATION UPGRADE



Complete!
Conserves Water Use





BECKER ROAD WIDENING - SEGMENT 3



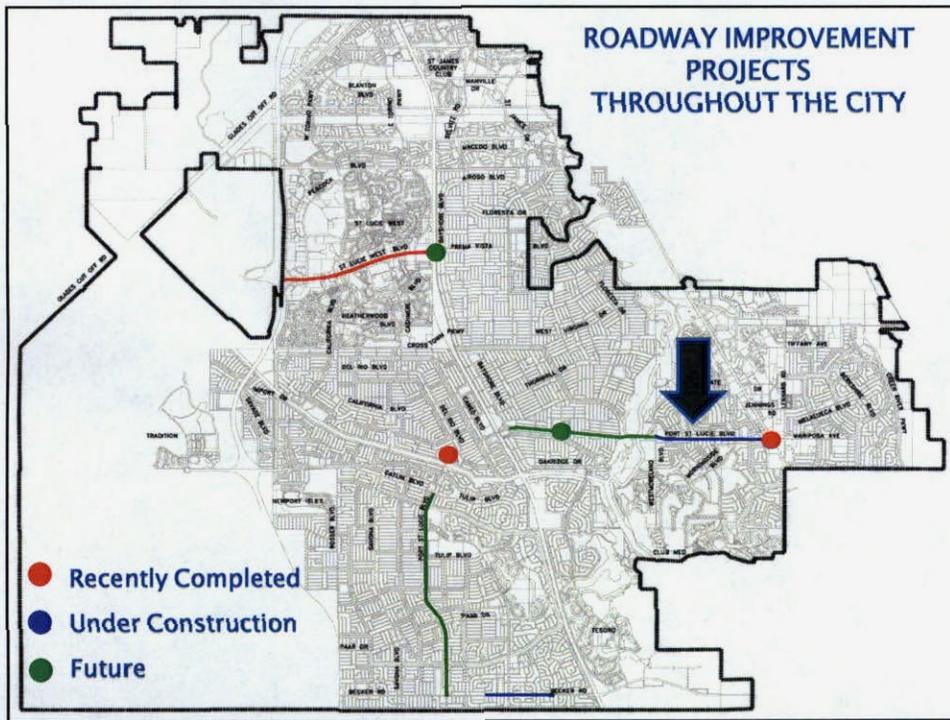
Under Construction - Last Segment
Albacore St. to Paley Ct.



BECKER ROAD WIDENING - SEGMENT 3



Estimated Completion Date
March 2012



PORT ST. LUCIE BLVD PEDESTRIAN LIGHTING



Under Construction
Veteran's Memorial Pkwy to U.S. 1

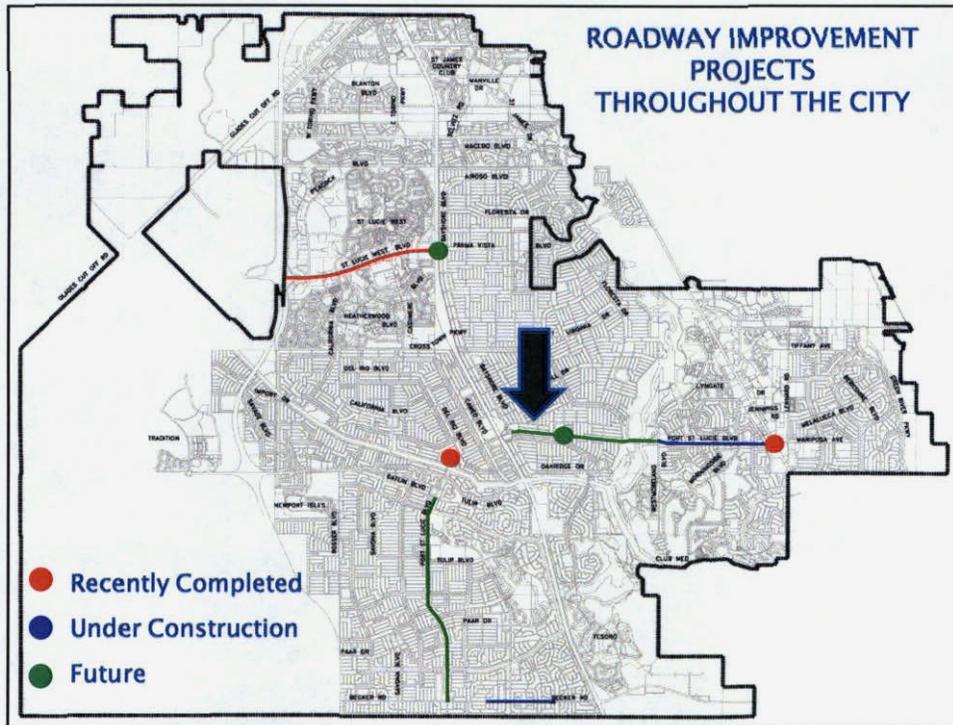


PORT ST. LUCIE BLVD PEDESTRIAN LIGHTING



Estimated Completion March 2012
FDOT Funded



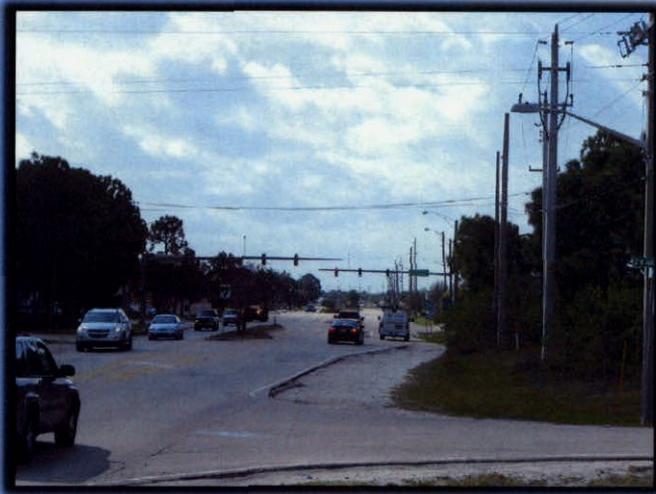


PORT ST. LUCIE BLVD LANDSCAPE ENHANCEMENTS

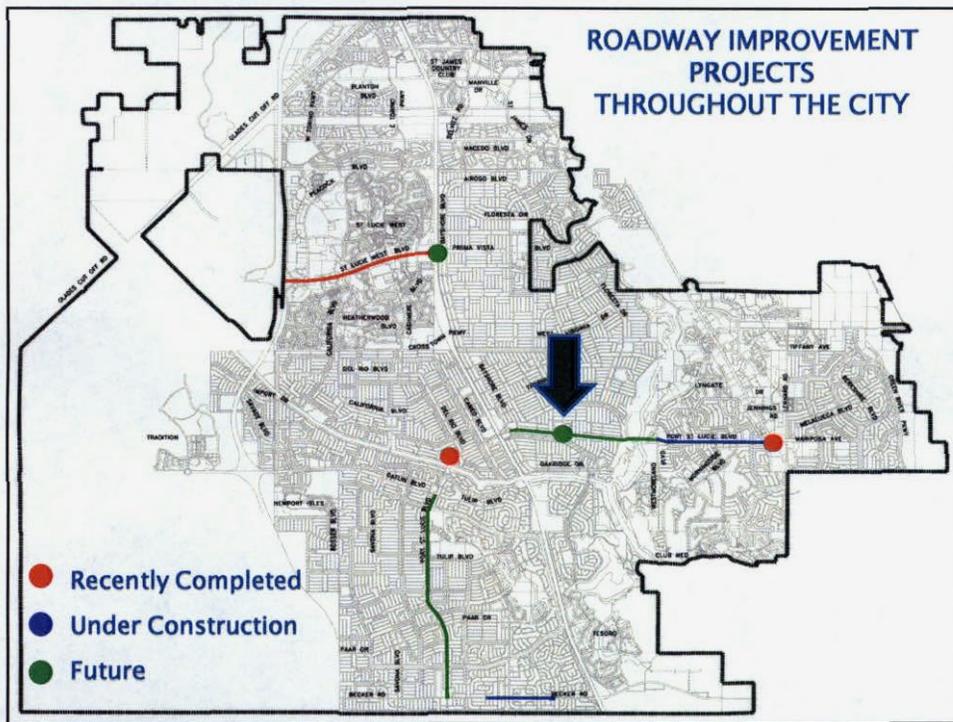
**Bayshore Blvd to Petunia Ave
Design Complete**



BAYSHORE BLVD RIGHT TURN LANE EXTENSION



Southbound onto St. Lucie West Blvd
Under Design



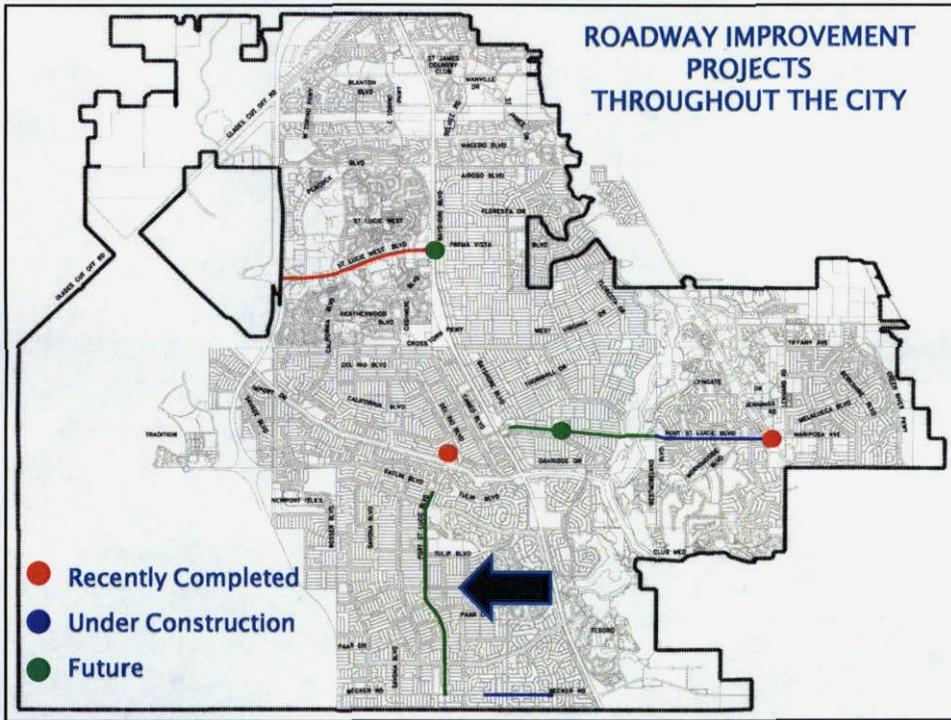
PSL TRANSFER STATION



Located at Deacon Ave.
New Bus Station
Under Preliminary Design
FDOT Funded



ROADWAY IMPROVEMENT PROJECTS THROUGHOUT THE CITY



PORT ST. LUCIE BLVD WIDENING SOUTH



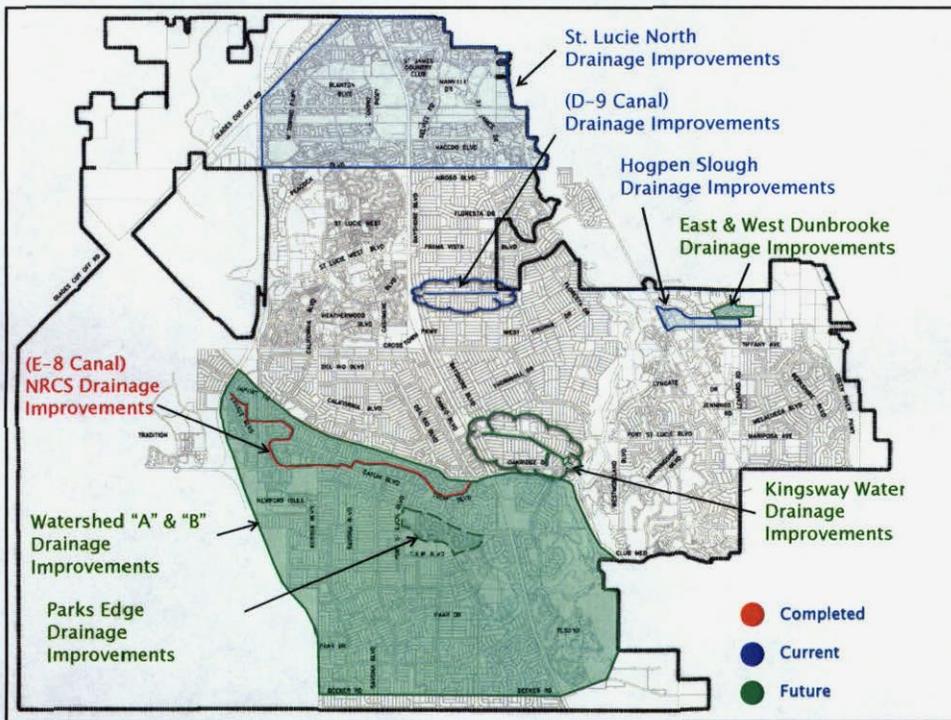
Gatlin Blvd to Becker Rd
Under Preliminary Design In-house



Total State and Federal Funding
Secured to Date for these
Roadway Improvement Projects

\$2,082,800!
with
\$300,000 pending





E-8 CANAL IMPROVEMENTS

B-1 New Water Control Structure
B-2 New Water Control Structure
B-3 New Water Control Structure
B-4 New Water Control Structure
B-5 New Water Control Structure
B-10 New Water Control Structure
B-12 Upgraded Water Control Structure
B-24 Upgraded Water Control Structure
5.9 Miles of Canals Cleaned
New Headwalls and Pipes at Kensington St.
New Headwalls at Logwood Drive
New Headwalls at Import Drive
E-8 Canal @ E-48 Slope Repairs



Complete

E-8 CANAL IMPROVEMENTS



NRCS/City Funding
Natural Resources Conservation Services

E-8 CANAL IMPROVEMENTS



B-2 Water Control Structure



E-8 CANAL IMPROVEMENTS



B-12 Water Control Structure ACB Mats



E-8 CANAL IMPROVEMENTS



E-8 Canal Typical Rip Rap



E-8 CANAL IMPROVEMENTS



E-8 Canal STA at Oakner Street



E-8 CANAL IMPROVEMENTS



E-8 Canal at Import Drive ACM Mats & Rip Rap



ST. LUCIE NORTH DRAINAGE IMPROVEMENTS

- 16 Different Work Locations
- 2 Water Control Structure (WCS) Upgrades
- ACB Mats Installed
- Repair Slopes at 2 Bridges (N. Macedo Blvd. & Jorgenson Rd.)
- Replace Approximately 2,400 LF of Drainage Pipes
- Nearly 2 Miles of Canals Cleaned Plus 3 STAs
- Construct 1 New Detention Pond
- Selvitz Road Sidewalk Upgrade

Start of Construction - March 2012
Estimated Completion Date February 2013



ST. LUCIE NORTH DRAINAGE IMPROVEMENTS



C-108 at Canal at 8-02 Water Control Structure



ST. LUCIE NORTH DRAINAGE IMPROVEMENTS



C-107 Canal at St. James Drive



ST. LUCIE NORTH DRAINAGE IMPROVEMENTS



C-108 Canal at North Macedo Blvd. Bridge



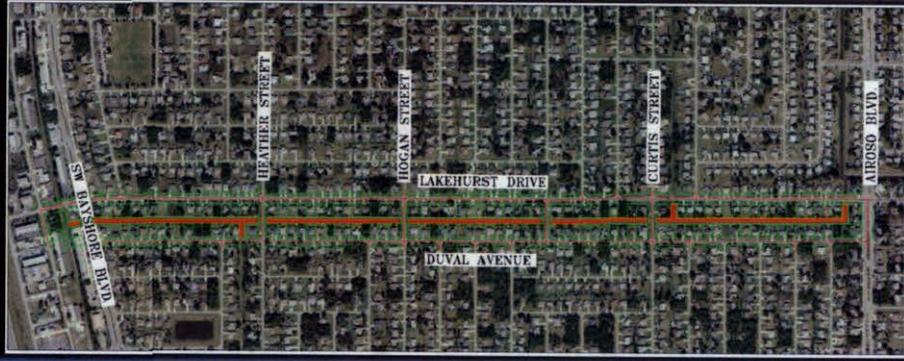
D-9 CANAL DRAINAGE IMPROVEMENTS

Community Development Block Grant (CDBG) Program Funded
St. Lucie County Sponsored City Project
Bayshore Blvd. to Airoso Blvd.
Slope Stabilization

Start of Construction - March 2012
Estimated Completion Date October 2012



D-9 CANAL DRAINAGE IMPROVEMENTS



Aerial View



D-9 CANAL DRAINAGE IMPROVEMENTS



Before Construction



D-9 CANAL DRAINAGE IMPROVEMENTS



Typical Gabion Baskets



HOG PEN SLOUGH DRAINAGE IMPROVEMENTS

Community Development Block Grant (CDBG) Program Funded
St. Lucie County Sponsored City Project
Flowage Capacity Enhancements

Start of Construction - March 2012
Estimated Completion Date October 2012



HOG PEN SLOUGH DRAINAGE IMPROVEMENTS



Hog Pen Drainage Basin
Village Green Drive Area

WATERSHED A & B DRAINAGE IMPROVEMENTS

- 19 Different Work Locations
- 15 Water Control Structure (WCS) Upgrades
- ACB Mats Installed
- Install Remote Control Operations at 9 WCS
- Replace approximately 5,500 LF of Drainage Pipes
- Install approximately 37,000 LF of Fiber Optic and Cables
- Over 2 Miles of Canals Cleaned
- Repair Slopes at 2 Bridges (PSL Blvd. & Savona Blvd.)

Design and Permitting Complete

WATERSHED A & B DRAINAGE IMPROVEMENTS



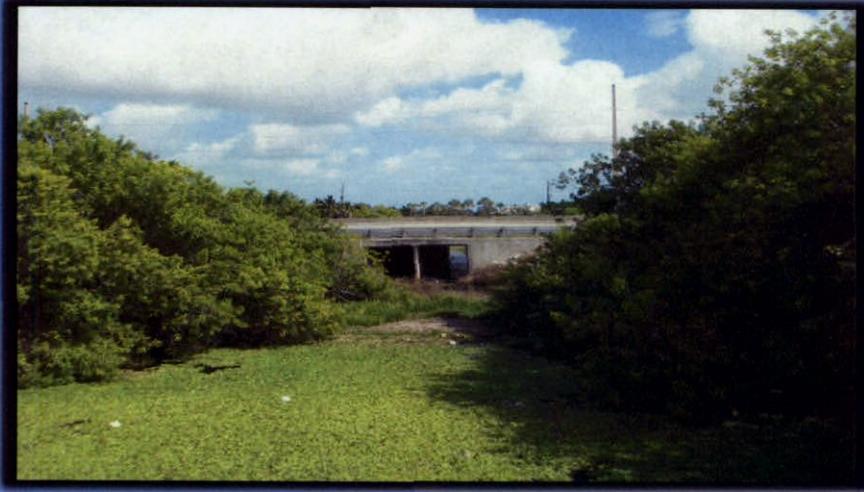
Typical Water Control Structure Repairs

WATERSHED A & B DRAINAGE IMPROVEMENTS



Typical Bridge Slope Repairs

WATERSHED A & B DRAINAGE IMPROVEMENTS



Typical Canal/Slope Clearing



KINGSWAY WATERWAY DRAINAGE IMPROVEMENTS

Design & Permitting Underway

Work Plan:

Dredge East Segment off Floresta Drive

West Segment off Floresta Drive – Canal Slope Clearing,
Slope Stabilization, Upgrade Sidelot Pipes, Dredge Canal As
Needed

Estimated Design/Permitting Completion Date February 2013



KINGSWAY WATERWAY DRAINAGE IMPROVEMENTS



Project Area
West Segment – Green
East Segment - Yellow



KINGSWAY WATERWAY DRAINAGE IMPROVEMENTS



Typical Clearing Operation



PARKS EDGE DRAINAGE IMPROVEMENTS



Road and Side Lot Drainage Upgrade
CDBG Program Funded
Award Pending



EAST AND WEST DUNBROOKE DRAINAGE IMPROVEMENTS



Flowage Capacity Enhancement
CDBG Program Funded
Award Pending



Total State and Federal Funding
(FEMA, NRCS, SLRIT & CDBG)
Secured to Date for these
Drainage Improvement Projects

\$12,136,227.00 !
with
\$4,823,897.00 pending

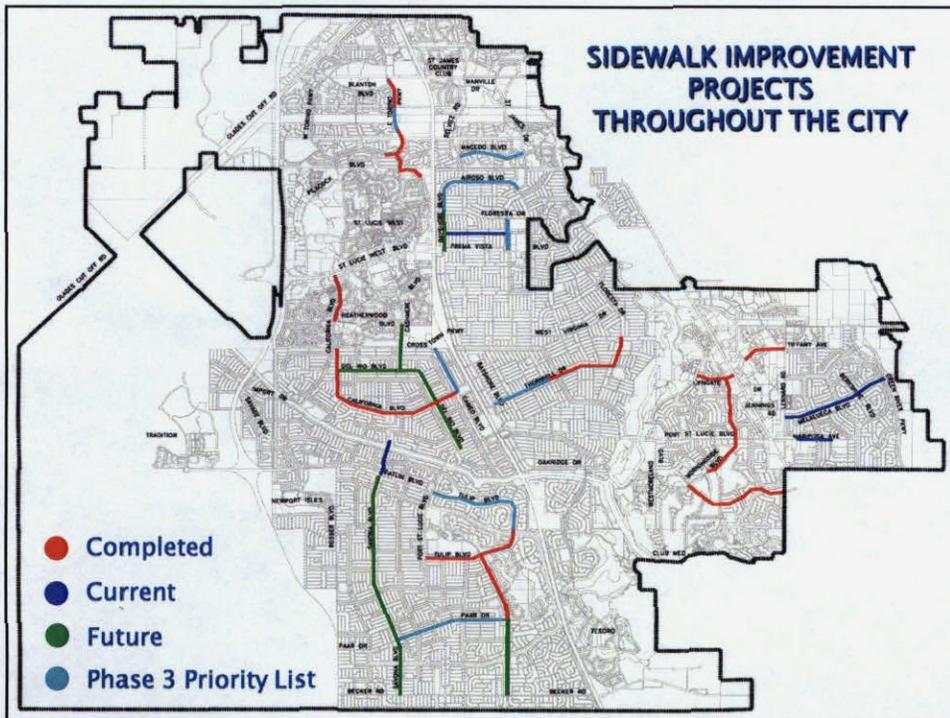


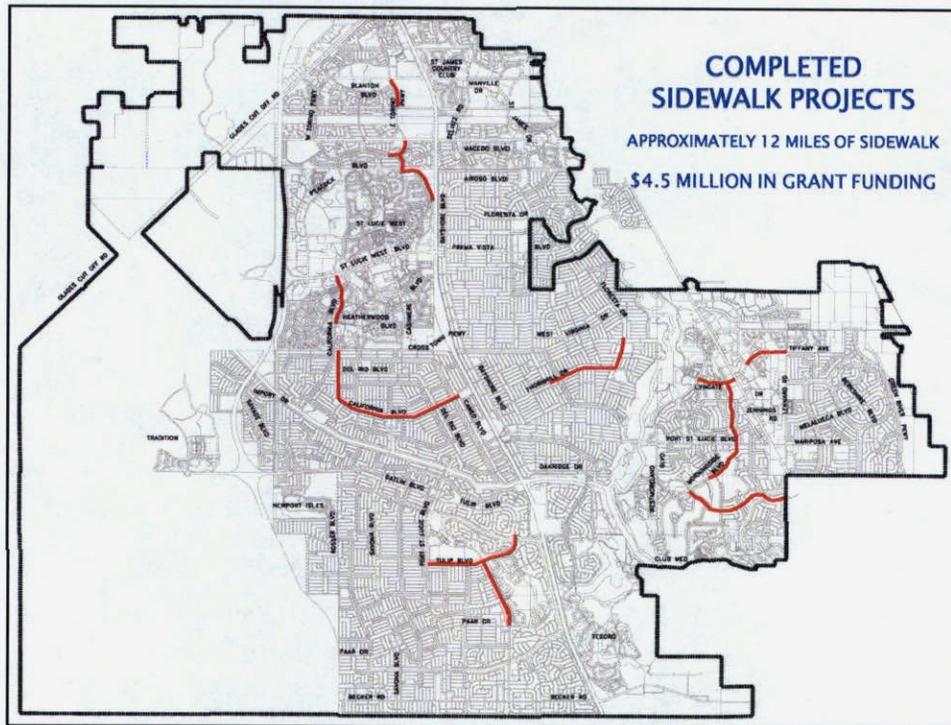
SIDEWALK PRIORITY LIST



| Roadway | From | To |
|---|-----------------------------|-------------------------|
| Grant Sidewalks | | |
| Morningside Blvd | Port St. Lucie Blvd | Lygata Drive |
| Floresta Drive | Thunhill Drive | Burwood Ave |
| Wrenstonland Blvd | Morningside Blvd | Bakerfield Street |
| Merion Avenue | Curtis Street | Bayshore Boulevard |
| Savona Boulevard | Getlin Boulevard | Ped. Bridge C-24 Canal |
| Mariposa Avenue | Holy Family Catholic Church | SE Burton St. |
| Bayshore Boulevard | Prima Vista Blvd | Floresta Drive |
| Darwin Boulevard | Pear Drive | Becker Road |
| Del Rio Boulevard | Cashmere Blvd | Port St. Lucie Blvd |
| Bayshore Boulevard | Floresta Drive | St. James Blvd |
| Tulip Boulevard | Cherryhill Road | Port St. Lucie Blvd |
| Phase I Sidewalk Priority List | | |
| Cashmere Blvd | West Gate Rd | East Tomp Pkwy |
| California Blvd | Camara Blvd | Panama Street |
| Tulip Blvd | Cherryhill Rd | European Street |
| Phase II Sidewalk Priority List | | |
| California Blvd | Panama Street | Crossdown Parkway |
| Tulip Blvd | Pumpkin Street | Port St. Lucie Blvd |
| East Tomp Pkwy | Conzo Ave | Prascook Run Apartments |
| Thunhill Drive | Floresta Drive | Ancora Blvd |
| Morningside Blvd | Port St. Lucie Blvd | Cambridge Drive |
| California Blvd | St. Lucia West Blvd | Heatherwood Drive |
| Phase III Sidewalk Priority List | | |
| Darwin Blvd | Tulip Blvd | Pear Dr |
| Seaview Blvd | Del Rio Drive | Getlin Blvd |
| Melaleuca Blvd Phase 3 | Lennerd Rd | Camden Street |
| Camano Blvd | California Blvd | Crossdown Parkway |
| Cashmere Blvd | Del Rio Blvd | Crossdown Parkway |
| Del Rio Blvd | California Blvd | Cashmere Blvd |
| Savona Blvd | Becker Road | Pear Dr |
| East Tomp Pkwy | C-101 Canal | Prascook Run Apartments |
| Curtis St | Prima Vista Blvd | Floresta Drive |
| Pear Drive | Port St. Lucie Blvd | Savona Blvd |
| Pear Drive | Del Rio Blvd | Port St. Lucie Blvd |
| Thunhill Drive | Avoco Blvd | Bayshore Blvd |
| Melaleuca Blvd Phase 1 | Camden Street | Berkshire Blvd |
| Melaleuca Blvd Phase 2 | Barbara Blvd | Screen River Pkwy |
| Macedo Blvd | Behr Road | St. James Blvd |
| Community Redevelopment Agency (CRA) Sidewalks | | |
| Tiffany Avenue Phase 1 | Village Green Dr | Lenard Road |
| Tiffany Avenue Phase 2 | Village Green Dr | Tiffany Apartments |
| Lygata Blvd | US 1 | Veterans Memorial Pkwy |

A committee of representatives from the School District, Police, Dept. of Public Works Dept. and the Eng. Dept. selected the locations based on proximity to schools, number of bus stops, existing sidewalks, right of way width, number of users, speed limit, existing drainage conditions, existing sidewalks, existing safety hazards, and estimated costs.

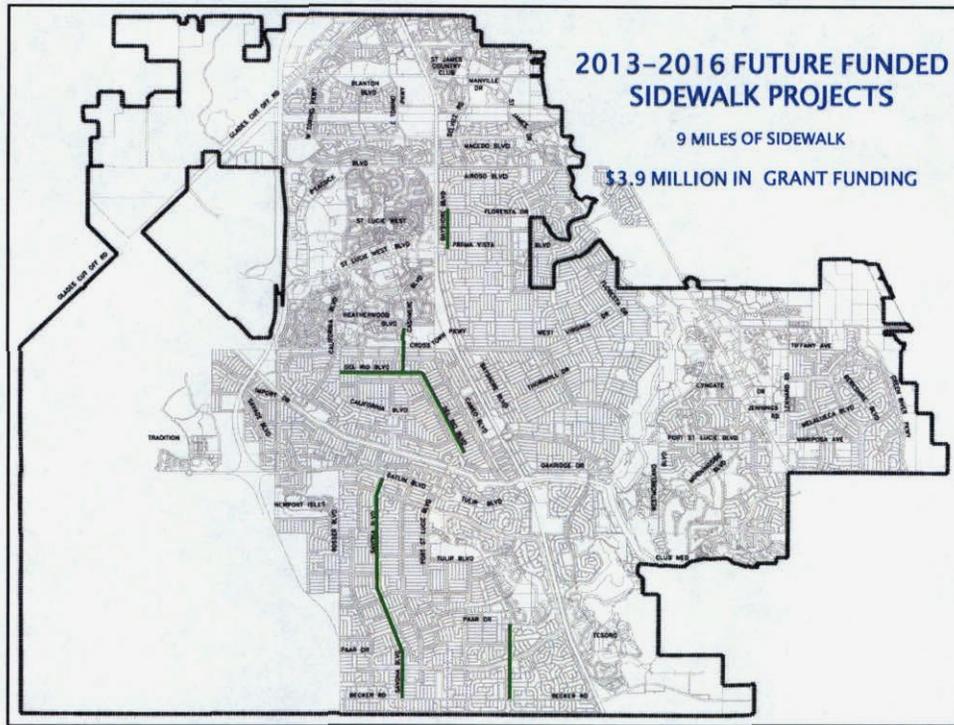




COMPLETED SIDEWALK PROJECTS

- Morningside Blvd. - PSL Blvd. to Lyngate Dr.
- Floresta Dr. - Thornhill Dr. to Bywood Ave.
- Westmoreland Blvd. - Morningside Blvd. to Bakersfield St.
- Cashmere Blvd. - West Gate K-8 to East Torino Pkwy.
- California Blvd. - Cameo Blvd. to Pamona St.
- Tulip Blvd. - Cherry Hill Rd. to Pumpkin St.
- California Blvd. Pamona St. to Crosstown Pkwy.
- Tulip Blvd. Pumpkin St. to Port St. Lucie Blvd.
- East Torino Pkwy. - Corso Ave. to Peacock Run Apartments
- Thornhill Dr. - Floresta Dr. to Airoso Blvd.
- Morningside Blvd. - Port St. Lucie Blvd. to Cambridge Dr.
- California Blvd. - St. Lucie West Blvd. to Heatherwood Dr.
- Darwin Blvd. - Tulip Blvd. to Paar Dr.
- Tiffany Ave. Phase 1 - Village Green Dr. to Lennard Rd.
- Tiffany Ave. Phase 2 - Village Green Dr. to Tiffany Apartments
- Lyngate Dr. - Veterans Memorial Pkwy to US-1





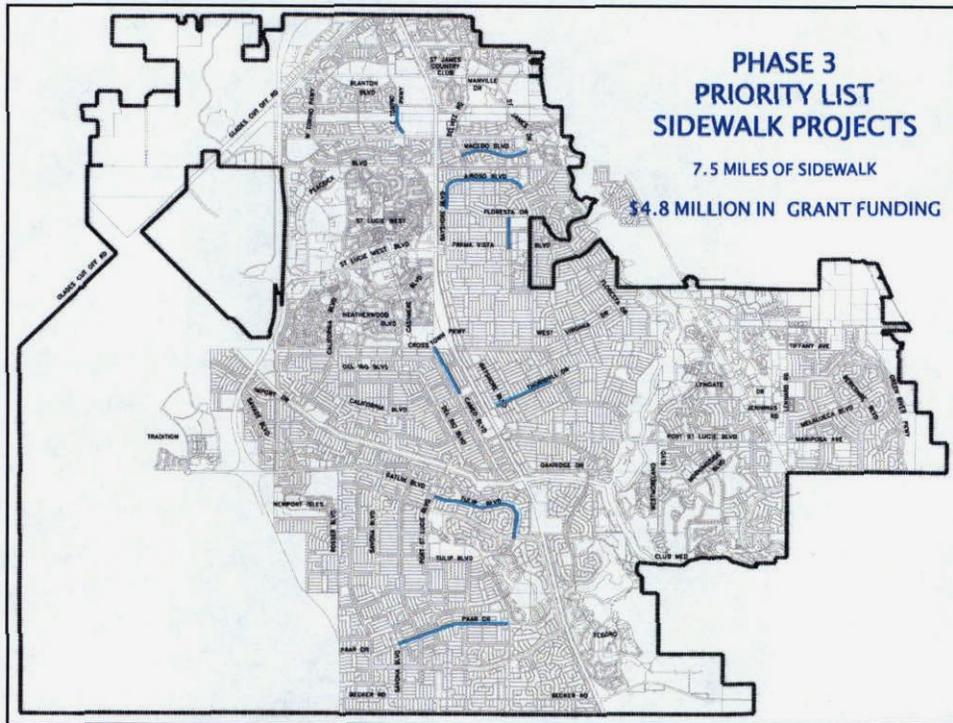
**2013-2016 FUTURE FUNDED
SIDEWALK PROJECTS**

Savona Blvd. – Gatlin Blvd. to Becker Rd.

Darwin Blvd. – Paar Drive to Becker Rd.

Cashmere Blvd. – Del Rio Blvd. to North of Centennial High School

Del Rio Blvd. – Port St. Lucie Blvd to California Blvd.



PHASE 3 PRIORITY LIST SIDEWALK PROJECTS

- ▶ Bayshore Blvd. - Floresta Dr. to St. James Dr.
- ▶ Tulip Blvd. - Cherry Hill Rd. to Port St. Lucie Blvd.
- ▶ Cameo Blvd. - California Blvd. to Crosstown Pkwy.
- ▶ East Torino Pkwy. - C-106 Canal to Peacock Run Apts.
- ▶ Curtis St. - Prima Vista Blvd. to Floresta Dr.
- ▶ Paar Dr. - Darwin Blvd. to Savona Blvd.
- ▶ Thornhill Dr. - Airoso Blvd. to Bayshore Blvd.
- ▶ Macedo Blvd. - Selvitz Rd. to St. James Blvd.



Total State and Federal Funding
Secured to Date for these
Sidewalk Improvement Projects

25 Miles of Sidewalk

\$12,300,000.00 in Funding!



CITY OF PORT ST LUCIE
ENGINEERING DEPARTMENT
121 SW PORT ST LUCIE BLVD
BUILDING B, 2ND FLOOR



MAIN NUMBER
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Assistant City Engineer: Kimberly Graham, P.E.
(email) kimg@cityofpsl.com