

TRANSPORTATION SUMMIT



CITY OF NEW SMYRNA BEACH

MARCH 7, 2015

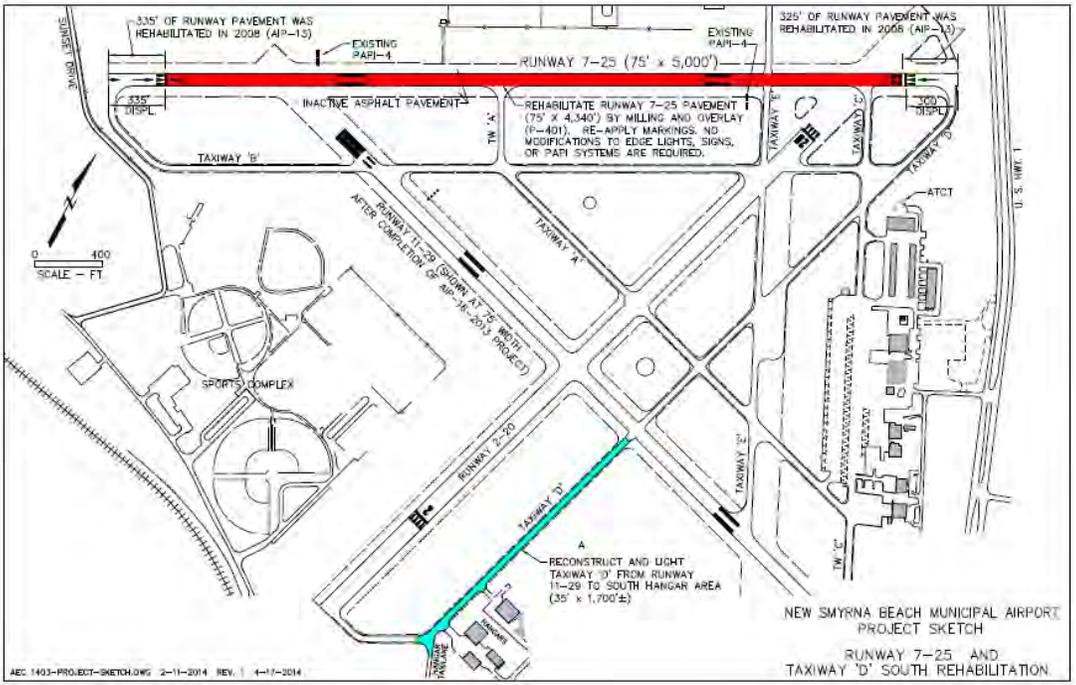
❖ **Recent Successful Projects**

1. 5th Street Bridge Repair *(pending future replacement)*
2. 3rd Avenue Community Aesthetic Feature
3. North Causeway Beautification *(FDOT Grant)*

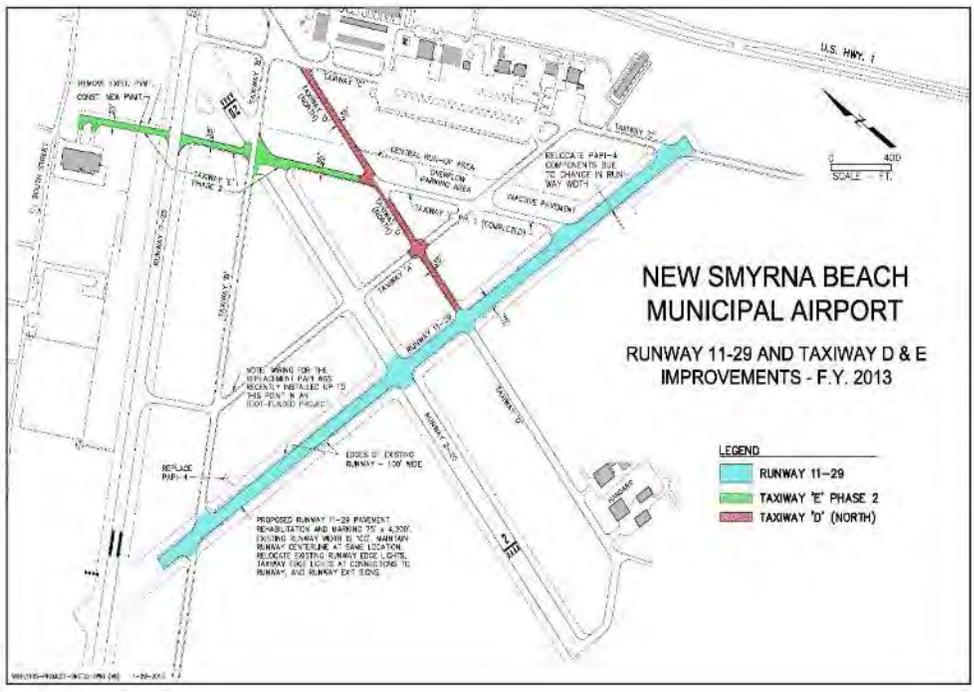
- Barracuda Bridge Replacement
- Paige Avenue Roadway Extension
- Signal Warrant Study (Installation of Emergency Flashing Signals)
- Multi-Use Trail (Segment 2)
- Coast to Coast Multi-Use Trail Connection
- S.R. 44 Median Improvements (Sugar Mill to Glencoe)
- Loop Trolley System
- Aero Circle & Airway Circle (Contingent upon Airport Master Plan)

SUCCESSFUL PROJECTS

Building Rehab: 1501 Airway Circle Airport Master Plan



AIRPORT PAVING
(Runway 7-25 & Taxiway D South Rehab)

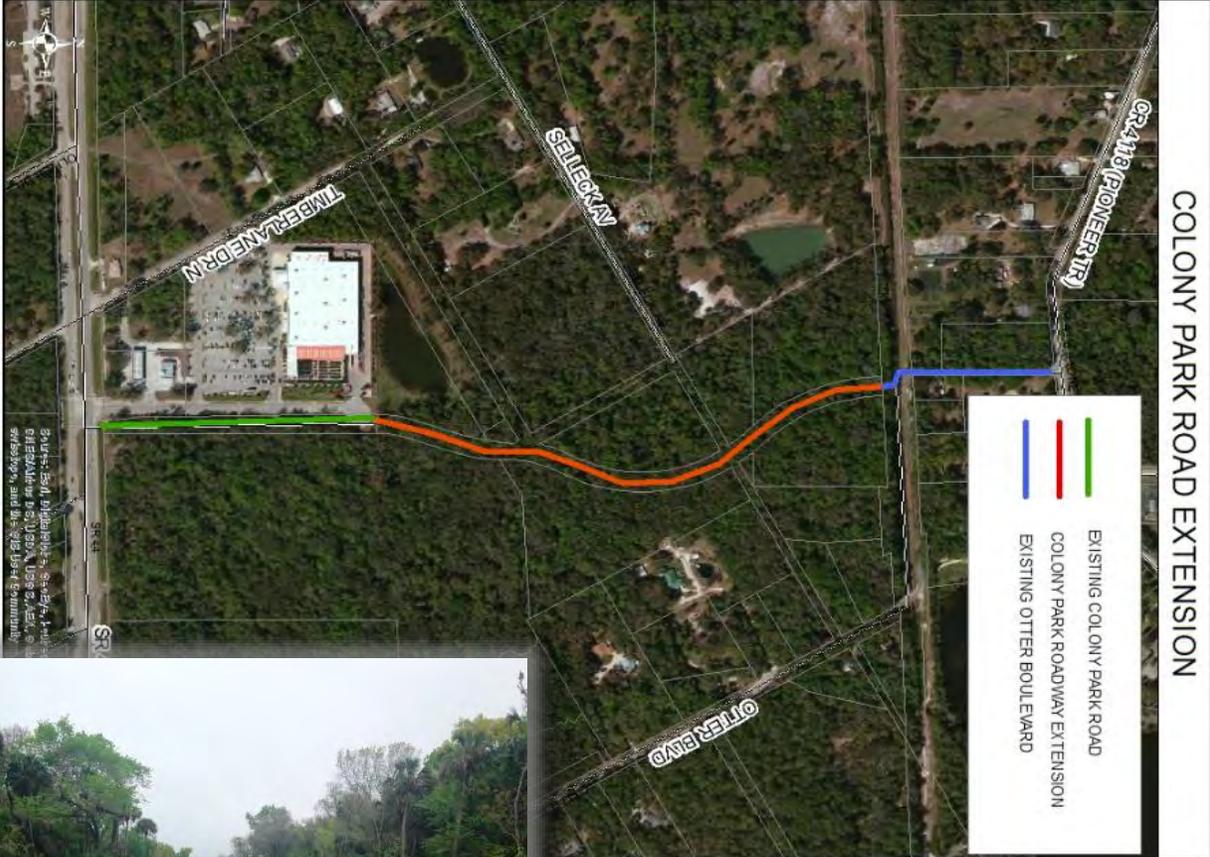


AIRPORT PAVING
(Runway 11-29 & Taxiway D&E)

SUCCESSFUL PROJECTS



Multi-Use Trail (2.2 miles)



Colony Park Road:

- Ribbon Cutting Ceremony Early April 2015



CURRENT PROJECTS

5TH STREET BRIDGE REPAIR

Current Projects



BRIDGE INSPECTION REPORT		
	PREPARED FOR: FLORIDA DEPARTMENT OF TRANSPORTATION BRIDGE OWNER: CITY OF NEW SMYRNA BEACH	INSPECTED BY: VOLKERT
BRIDGE NO. 795701	Routine Inspection	INSPECTION DATE: 5/15/2014
		
Fifth Street over Yacht Club Cut 0.1 Mi East of Riverside Dr		
		
Data use subject to license © DeLorme, DeLorme StreetAtlas USA® 2012 www.delorme.com		
MN @ 2" = 1"		
0 1 2 3 mi Data Zoom: 11-0		

This report contains information relating to the physical security of a structure and depictions of the structure. This information is confidential and exempt from public inspection pursuant to sections 119.071(3)(a) and 119.071(3)(b), Florida Statutes. Only the cover page of this report may be inspected and copied.

PROJECT DESCRIPTION:

- **Bridge Inspection Report:** 5/15/2014
- **NBI Rating:** Structurally Deficient
- **Inspection Frequency:** 12 month
- Currently Implementing Remedial Repair Work to address spalling/delaminating areas along underside of bridge, with the intent to extend the life of the bridge for another 5-7 years replacement can be funded.

5TH STREET BRIDGE REPAIR

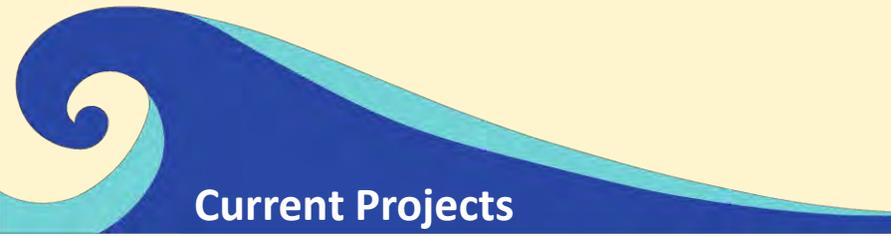


ESTIMATED COSTS:

- **Repair Cost:** \$25,080
- **Complete Replacement Estimate:** \$ 1.5 Million (Design, Construction, CEI Services)
- Seeking FDOT funding to support replacement of bridge



8ft. x 4ft. Spalled delaminated area with heavily corroded reinforcing steel.



3RD AVENUE & PENINSULA

COMMUNITY AESTHETIC FEATURE

EXISTING CONDITIONS





3RD AVENUE & PENINSULA COMMUNITY AESTHETIC FEATURE

PROPOSED ENHANCEMENTS



3RD AVENUE & PENINSULA COMMUNITY AESTHETIC FEATURE



❑ \$126,500 CONSTRUCTION BUDGET – FUNDED THROUGH CRA

- \$124,965 ENGINEER'S ESTIMATE (Includes 10% Contingency)

❑ 4 Month Construction Schedule: Target Sept-October 2015 Completion

❑ Near Term Targets:

- 2/28/15 Advertise for Bids - COMPLETE
- 3/24/15 Issue Final Addendum
- 3/31/15 Bids Due



NORTH CAUSEWAY BEAUTIFICATION

EXISTING CONDITIONS





NORTH CAUSEWAY BEAUTIFICATION

PROPOSED ENHANCEMENTS



PROPOSED ENHANCEMENTS



❑ **\$1,021,332 - Overall Project Budget (FDOT GRANT & CRA)**

❑ **6 Month Construction Schedule:** Target Nov – December 2015 Completion

❑ **Near Term Targets:**

- *2/28/15 Advertise for Bids - COMPLETE*
- **3/24/15 Issue Final Addendum**
- **3/31/15 Bids Due**



FUTURE PROJECTS

BARRACUDA BRIDGE REPLACEMENT

1ST PRIORITY

PROJECT DESCRIPTION:

- **Bridge Inspection Report:** 5/08/2014
- **NBI Rating:** Structurally Deficient
- **Inspection Frequency:** 12 month
- Complete Bridge Replacement required.
- Seeking FDOT funding to support project

ESTIMATED COSTS:

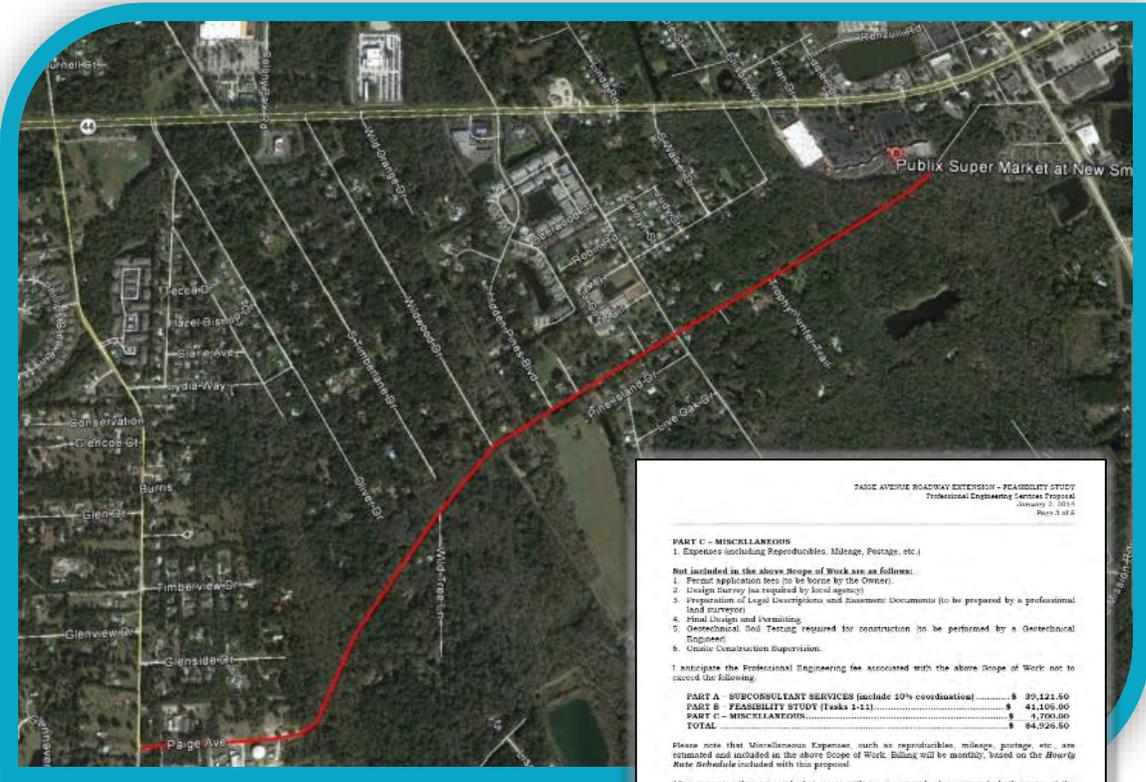
- **\$ 1.5 Million** (Design, Construction, CEI Services)



	BRIDGE INSPECTION REPORT	INSPECTED BY: VOLKERT
PREPARED FOR: FLORIDA DEPARTMENT OF TRANSPORTATION	BRIDGE OWNER: CITY OF NEW SMYRNA BEACH	
BRIDGE NO. 795700	Routine Inspection	INSPECTION DATE: 5/8/2014
		
Barracuda Blvd over Brando Canal		0.2 Mi North of Flagler Ave
		
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PAIGE AVENUE ROADWAY EXTENSION

1ST PRIORITY



PAIGE AVENUE ROADWAY EXTENSION - FEASIBILITY STUDY
Professional Engineering Services Proposal
January 2, 2014
Page 3 of 4

PART C - MISCELLANEOUS
1. Expenses (including Reproductions, Mileage, Postage, etc.):

Not included in the above Scope of Work are as follows:

1. Permit application fees to be borne by the Owner;
2. Design Survey fee required by local agency;
3. Preparation of Legal Descriptions and Easements Documents (to be prepared by a professional land surveyor);
4. Final Design and Permitting;
5. Geotechnical Soil Testing required for construction (to be performed by a Geotechnical Engineer);
6. Utility Construction Supervision.

1. Anticipate the Professional Engineering fee associated with the above Scope of Work not to exceed the following:

PART A - SUBCONSULTANT SERVICES (include 10% coordination)	\$ 39,121.50
PART B - FEASIBILITY STUDY (Tasks 1-11)	\$ 41,105.00
PART C - MISCELLANEOUS	\$ 4,700.00
TOTAL	\$ 84,926.50

Please note that Miscellaneous Expenses, such as reproductions, mileage, postage, etc., are estimated and included in the above Scope of Work. Billing will be monthly, based on the Hourly Rate schedule included with this proposal.

After reviewing this proposal, if it meets with your approval, please execute both copies of the Professional Services Agreement and return to me as the Notice to Proceed. One copy will be returned for your files. Please feel free to call with any questions you may have concerning this proposal or the project in general.

Thank you for considering Parker Myrdenberg & Associates, Inc. for your Professional Engineering needs.

Yours truly,

Parker Myrdenberg, P.E., P.L.L.C.
PJM/csm
Cc: Kyle Fagley, P.E.

PROJECT DESCRIPTION:

- EAST-WEST route to relieve SR 44 congestion
- From current paved section (labeled as Vic's Way) westward to intersect with South Glencoe Road
- To be developed with limited turn lanes/queuing at required intersections with no signalization.
- New paved roadway length is approx. 9, 035 Feet (1.7 miles)

ESTIMATED COSTS:

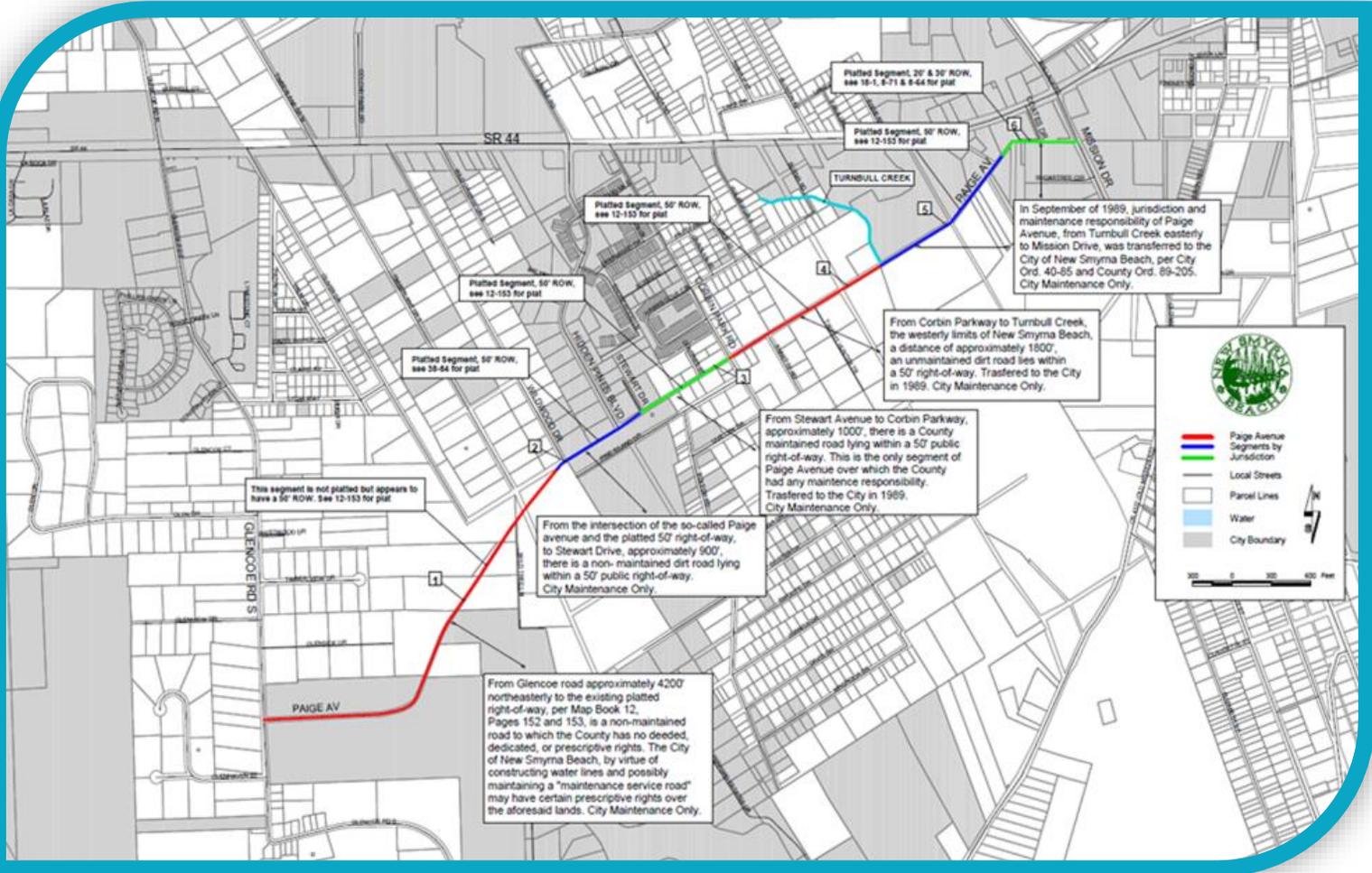
- \$ 84,926 Feasibility Study
- Feasibility Study will validate future design & construction costs

PAIGE AVENUE ROADWAY EXTENSION

1ST PRIORITY

POTENTIAL RISKS:

- Right of Way Acquisitions
- Wetland Mitigation
- Bridge Construction



SIGNAL WARRANT STUDY (FIRE STATIONS)

1ST PRIORITY

NEW SMYRNA BEACH FIRE STATIONS



PROJECT DESCRIPTION:

- Installation of emergency traffic signal at (2) Fire Stations on SR44.

ESTIMATE:

- \$250,000 each mast arm signal
x (2) = **\$500,000**

NEXT STEPS:

- 04/03/15 TPO Submission

MULTI – USE TRAIL (SEGMENT 2)

1ST PRIORITY

PROJECT DESCRIPTION:

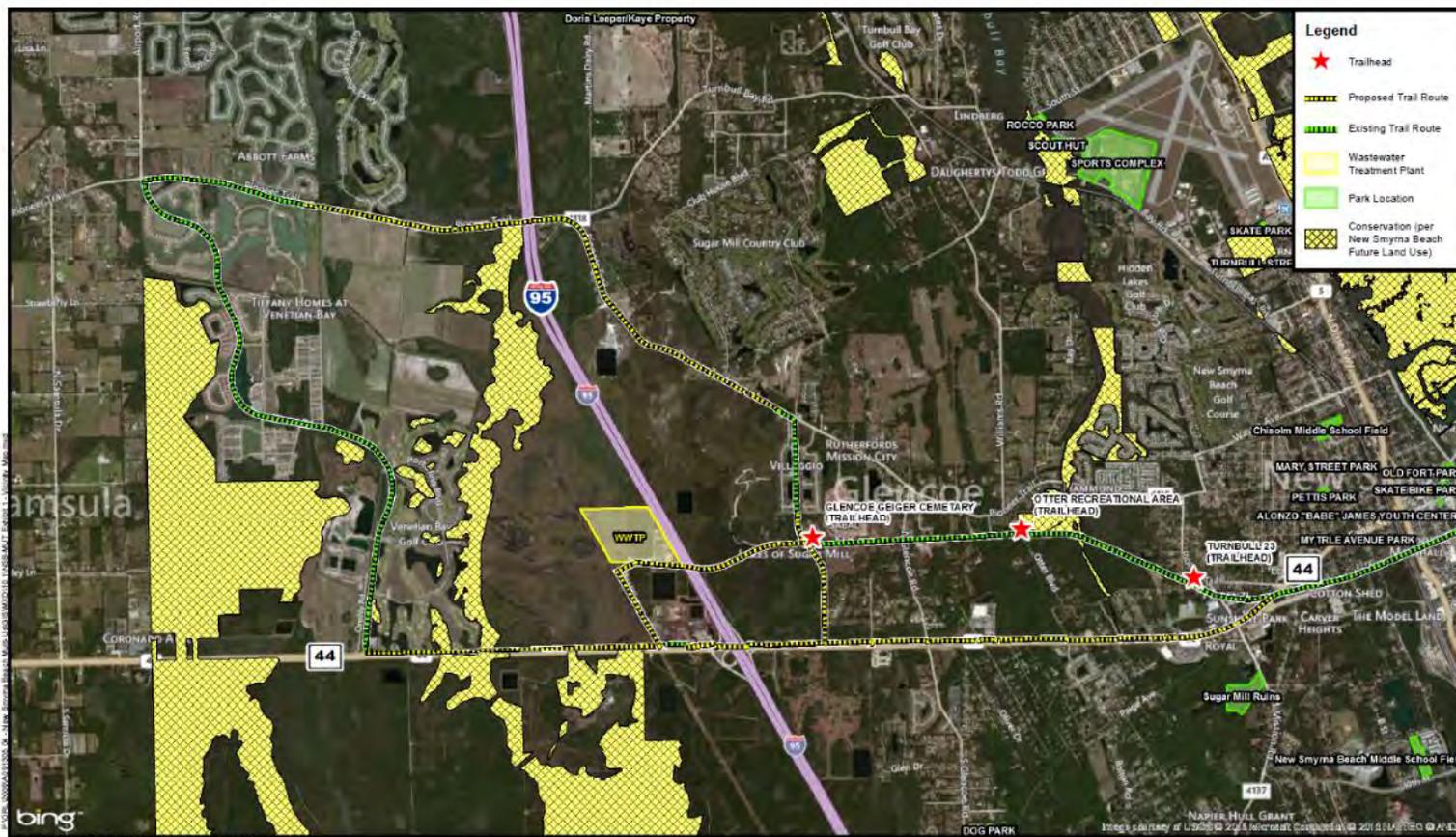
- Construction of Section A3; along Sugar Mill Dr. (from SR44 to Gibraltar Drive).

ESTIMATE:

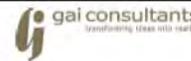
- **\$ 281,000**

NEXT STEPS:

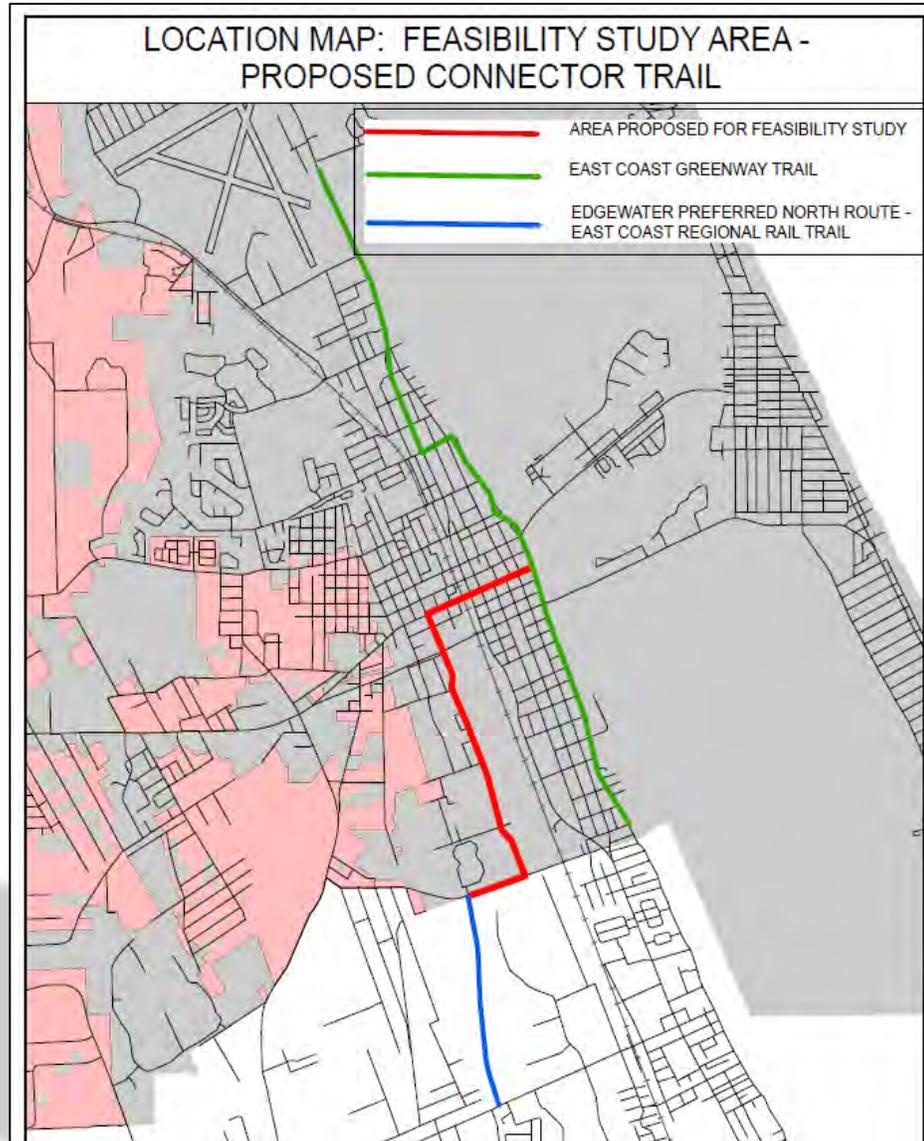
- 04/03/15 TPO Submission
- Target June 2015 for Approvals



Vicinity Map
New Smyrna Beach Multi-Use Trail - Phase 2
Exhibit 1



COAST TO COAST MULTI-USE TRAIL CONNECTION



PROJECT DESCRIPTION:

- Perform Feasibility Study to extend trail from Edgewater to NSB

ESTIMATE:

- **\$13,000** (for Feasibility Study)

NEXT STEPS:

- 04/03/15 TPO Submission
- Target June 2015 for Approvals

PHASE II S.R. 44 MEDIAN IMPROVEMENTS

2nd PRIORITY



PROJECT DESCRIPTION:

- Landscape Enhancements from Glencoe Rd. to Sugar Mill
- Expansion of I-95 and SR 44 Phase I

ESTIMATE:

- **\$ 628,000**

NEXT STEPS:

- 04/03/15 TPO Submission
- Target June 2015 for Approvals



LOOP TROLLEY SYSTEM



PROJECT DESCRIPTION:

- Perform Feasibility Study to locate parking lots along route for Trolley pick-up/drop-off.

ESTIMATE:

- TBD



AIRWAY CIRCLE

Other Considerations

PROJECT DESCRIPTION:

- Extension of existing drive to tie-in to Industrial Park Ave.
- Potential Wetlands/ Hazardous Material Remediation needed
- Concerns regarding impacts to nearby landfill and historic canal
- Contingent on Airport Master Plan Update

ESTIMATE:

- No Current Estimates
- Potential economic development funds available in coordination with the FDOT Freight Coordinator Office.



