O’Brien Street Roadway Improvements
*Cypress Street to Spruce Street*
AGENDA
AGENDA

✓ PROJECT UNDERSTANDING
✓ ROADWAY DESIGN
✓ DRAINAGE & PERMITTING
✓ MANAGEMENT PLAN
PROJECT UNDERSTANDING
Morning Traffic from Veterans Expressway and Courtney Campbell Causeway utilizes Spruce Street Exit

Afternoon Peak
Dual Northbound left-turn lanes fail

• Queues from the dual northbound left-turn lanes frequently extended back to the south end of O’Brien St.
• SR 60 @ I-275 Ultimate configuration with express lanes

• The conceptual graphic was created for planning and discussion proposes as of 12/19/13

• The improvements will not significantly improve the traffic on O’Brien St.
Hillsborough County Aviation Authority (HCAA)

South Terminal Roadway Design/Build
Pedestrian & Bike Accommodations

- Multi-Use Path Terminal
- Connection to Rail Station Area at I-275

City of Tampa
Future Bike Lanes & Sidewalks Project

Westshore Alliance
Future Sidewalks Project

HCAA Airport
Sidewalks & Multi-Use Path Project
ROADWAY DESIGN
ROADWAY DESIGN

PROJECT LOCATION MAP & EXISTING TYPICAL SECTION

PHASE ONE

PHASE TWO

SPRUCE ST

LAUREL ST

O'BRIEN ST

CYPRESS ST
Typical Sections

- **Phase One** Laurel St. to Spruce St.
  - four 11 ft. lane
  - 10 ft. TWLT
  - 8 ft. Shared-use path west side

- **Phase Two** Cypress St. to Laurel St.
  - four 11 ft. lane
  - 10 ft. TWLT
  - 6 ft. sidewalk east side
  - 8 ft. Shared-use path west side
Operational Improvements

- Additional left turn lane for westbound Spruce Street to O’ Brien Street
- Crosswalks on both approaches of Spruce Street
Signal O’ Brien St. & Spruce St.

Draft Intersection Layout

• Signal Rebuild Diagonal Span to Box Span Configuration

• Two Stage crosswalks on approaches of Spruce Street
DRAINAGE & PERMITTING
Stormwater Management Plan

• **Eliminate South Basin Pond**
  – Maintain existing discharge rate to Lemon St. Canal
  – Add new outfall to Spruce Street Canal
  – Hydraulic modeling works!
  – No regrading of existing pond
    • No rework of pond liner
    • No regrading of existing 10 ft wide maintenance berm
  – **$600K Pond Construction & ROW Savings!!!**
  – Added value for the City
    • Excess treatment capacity
    • Eliminate 8 Parcel Takes

• **Minimize Reconstruction, Maximize Resurfacing in South Basin**
  – Lower existing pond control to match adjacent pond
  – Discharge low areas to Outfall Ditch untreated
  – Minimize gravity walls
  – Reduced storm drain construction
Permitting

- **Southwest Florida Water Management District (SWFWMD)**
  - Met with Richard Alt, Jeff Glass & Estella Gray on July 1st
  - Agreeable to Spruce Street Canal Outfall
  - Agreeable to discharging low inlets directly to outfall ditch
  - Attenuation required for existing outfall to Lemon Street Canal

- **FDOT Drainage/Driveway Connections**
  - Met with Daniel Lauricello, District Drainage Engineer, on July 1st
  - Agreeable to Spruce Street Canal Outfall

- **Army Corp of Engineers Section 404 Permit**

- **Hillsborough County EPC Permit**

- **FAA Regulations for Pond Design**

- **City of Tampa Stormwater Technical Standards Manual for Public Development**
MANAGEMENT PLAN
Management Plan

Project Objectives

• Keep projects independent (flexibility for construction funding)
  – Phase One Laurel Street to Spruce Street
  – Phase Two Cypress Street to Laurel Street

• Minimize Right-of-Way Impacts

• Simplify drainage/permitting

• Coordinate with adjacent developers, FDOT, utility companies, HCAA, Westshore Alliance & other stakeholders
**Management Plan**

**Project Schedule**

- **Notice to Proceed**
- **Plan Preparation**
  - Design Survey
  - 15% Line and Grade Submittal
  - 45% Drainage Submittal
  - Phase II (Plans & ROW Maps) Submittals
  - 268 Date (Documents to Right-of-Way)
  - North Segment (Plans & Maps) Submittals
  - South Segment (Plans & Maps) Submittals
- **Permitting**
  - SWFWMD/USACOE Joint Pre-App Meeting
  - Submit SWFWMD/USACOE Permit Application
  - Obtain SWFWMD/USACOE Permit Approval

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**Project Schedule**

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Management Plan

- Public Involvement (Coordinate with all of the project’s stakeholders)
  - Public Workshop April 2016
  - City of Tampa Commission Meeting May 2016
  - Working with HCAA EOR on the reconstruction of the Airport Service Road
  - Working with FDOT on the SR 60 @ I-275 Interchange

- Drainage/Permitting (Min. ROW Impacts & Meet Permitting Requirements)
  - Submit Permit Application for SWFWMD/USACOE Permit March 2016
  - Eliminate “New Pond” reconfigure existing pond
  - Lower Tail water elevation with new outfall

- Roadway (Min. ROW & Utility Impacts)
  - ROW requirements For City Review April 2016
  - Eliminate reconstruction & walls utilize overbuild and widening
  - Livable Communities (Westshore Alliance & HCAA #1 Concern Peds & Bikes)
Questions?

Cumbey & Fair, Inc. is certified as both a Small Disadvantaged Business (SBE) and a Small Business Administration 8(a) Business by the Federal Government.