



City of
Tampa
Florida

O'Brien Street Roadway Improvements

Cypress Street to Spruce Street





AGENDA

AGENDA

✓ **PROJECT UNDERSTANDING**

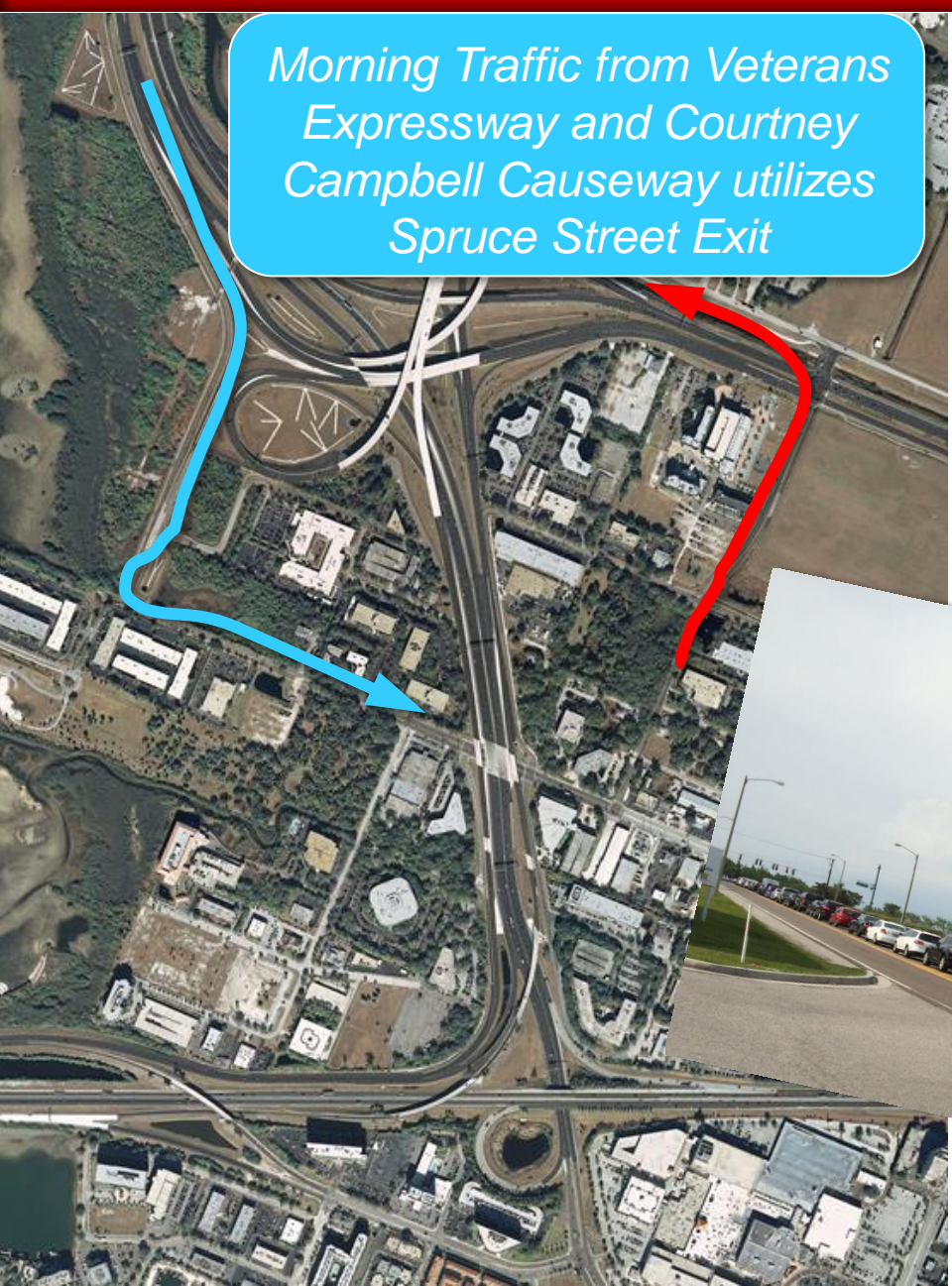
✓ **ROADWAY DESIGN**

✓ **DRAINAGE & PERMITTING**

✓ **MANAGEMENT PLAN**

PROJECT UNDERSTANDING

Project Understanding

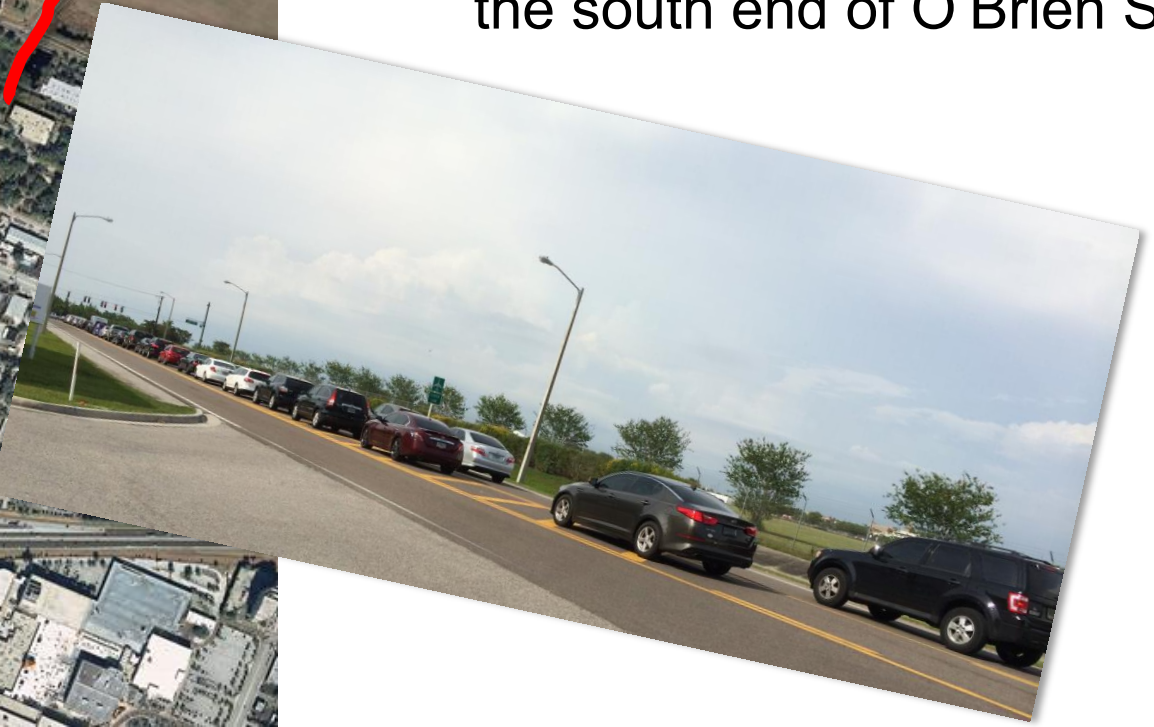


Morning Traffic from Veterans Expressway and Courtney Campbell Causeway utilizes Spruce Street Exit

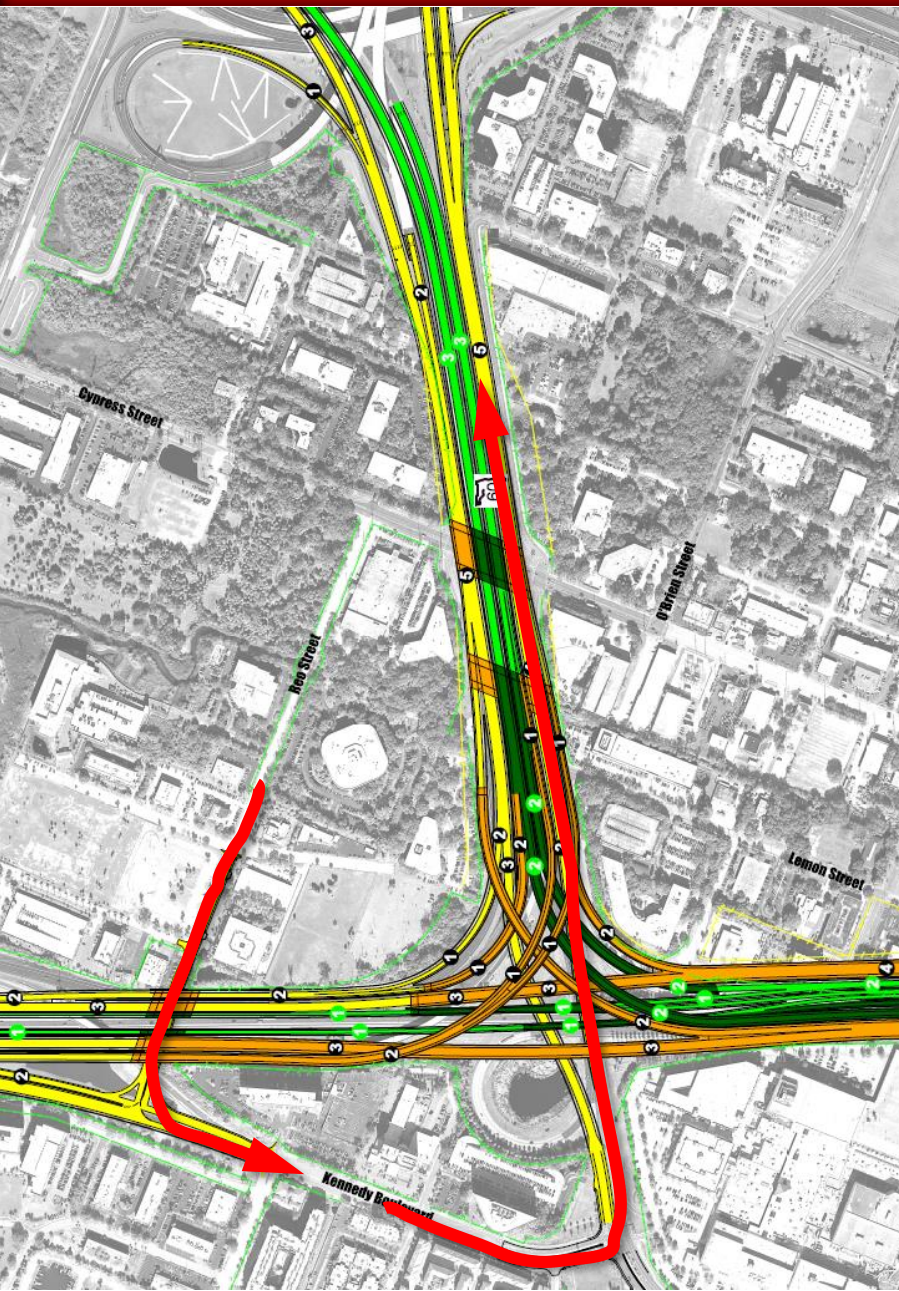
CURRENT TRAFFIC OVERVIEW

*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.



Project Understanding

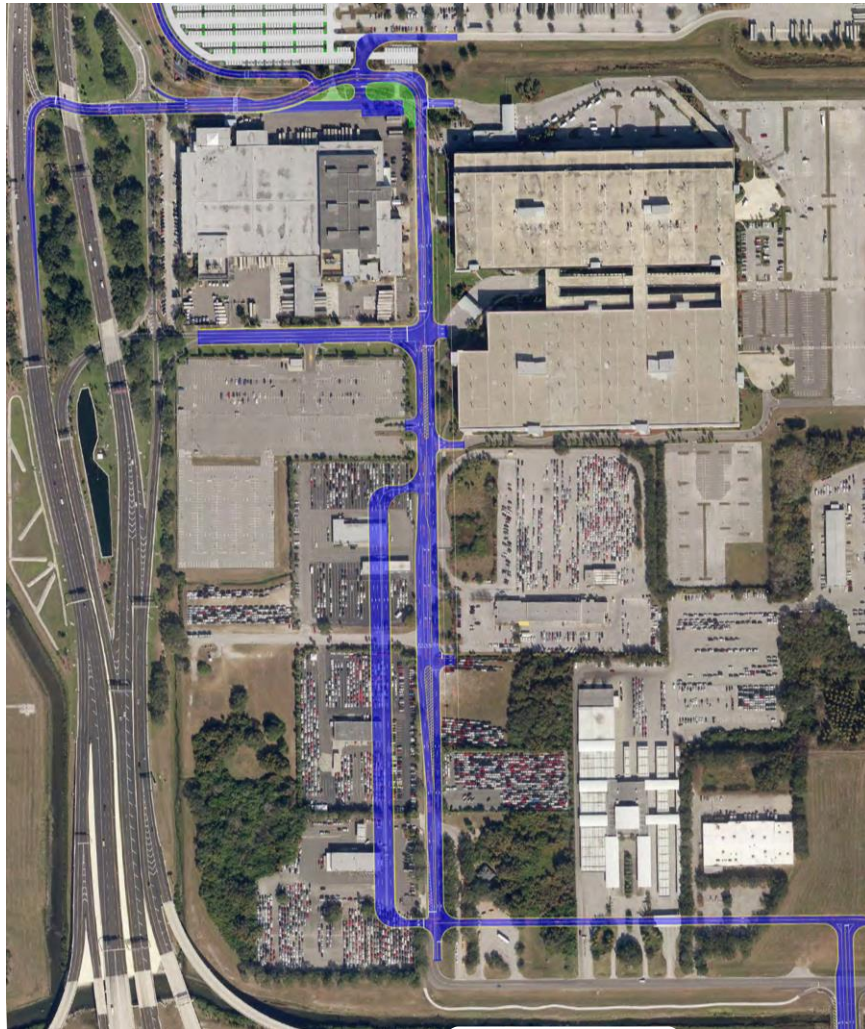


FUTURE TRAFFIC OVERVIEW

*Afternoon Peak
Reo St. to Kennedy
Blvd. to SR 60*

- 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.

PUBLIC INVOLVEMENT



Hillsborough County Aviation
Authority (HCAA)

South Terminal Roadway
Design/Build

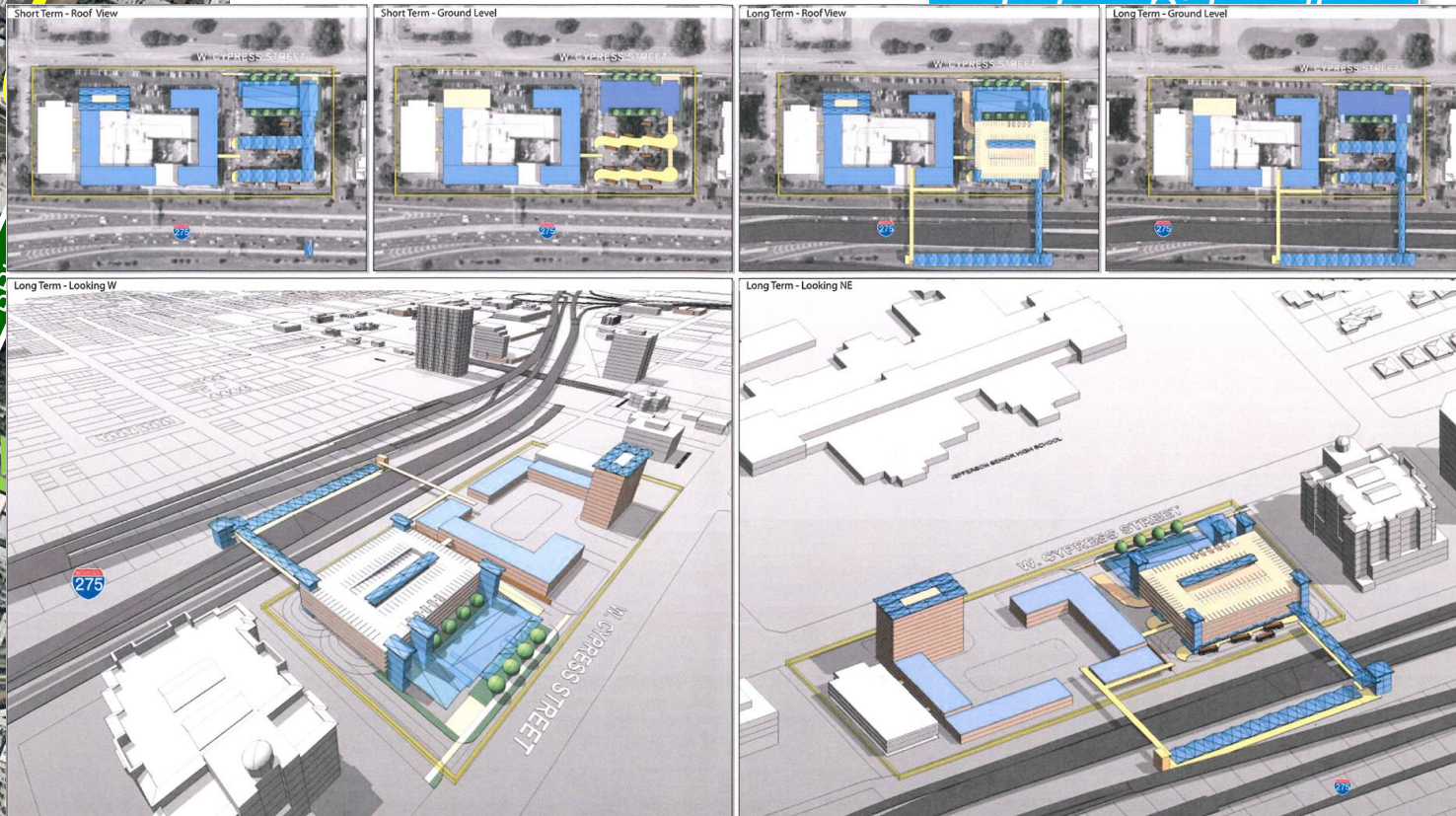
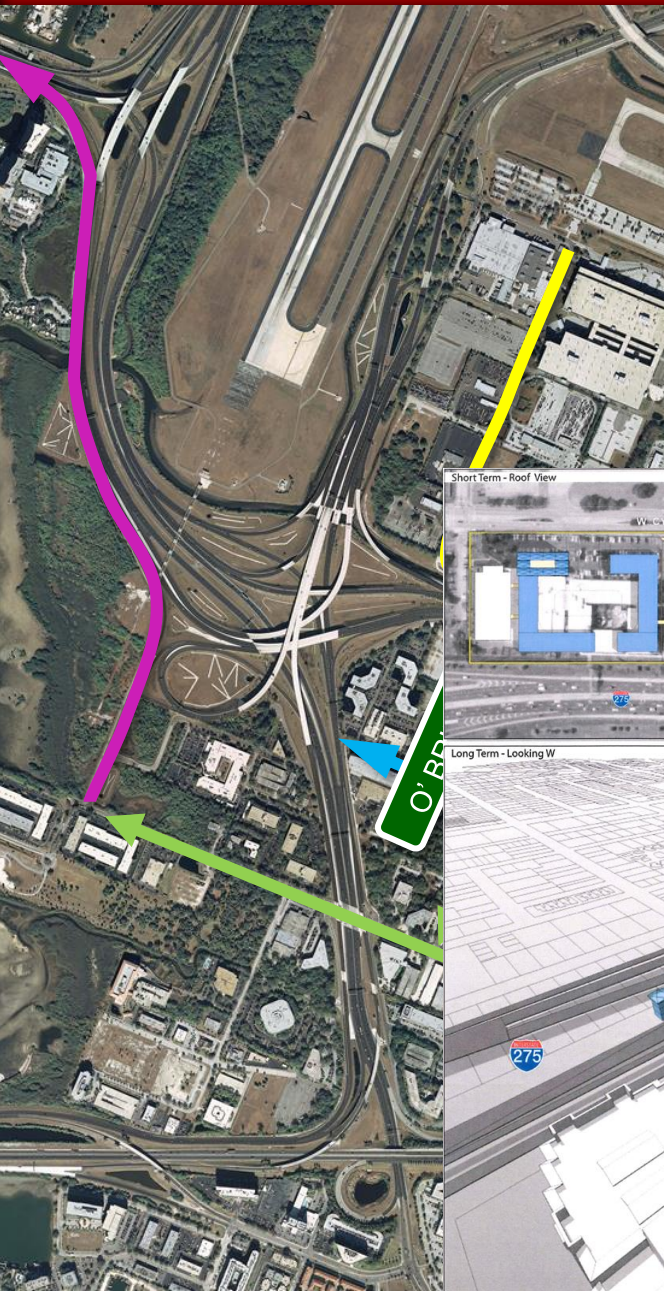
Project Understanding

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*



ROADWAY DESIGN

ROADWAY DESIGN

PROJECT LOCATION MAP & EXISTING TYPICAL SECTION

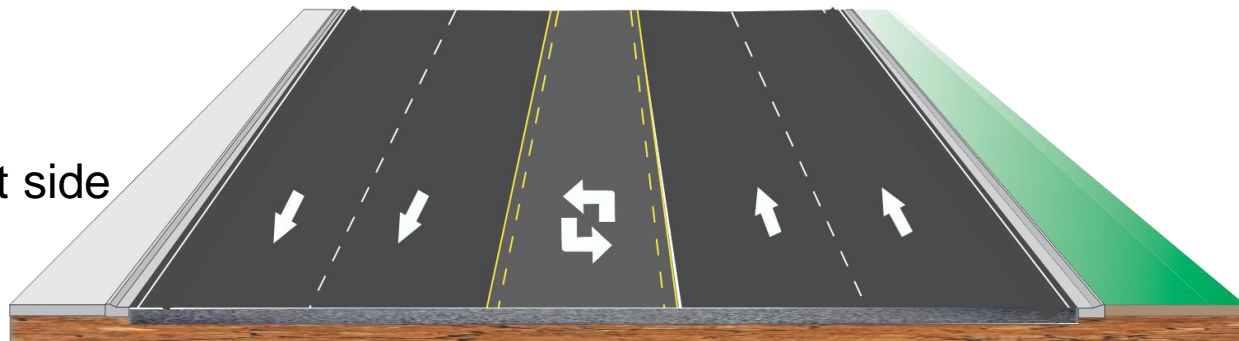


ROADWAY DESIGN

Typical Sections

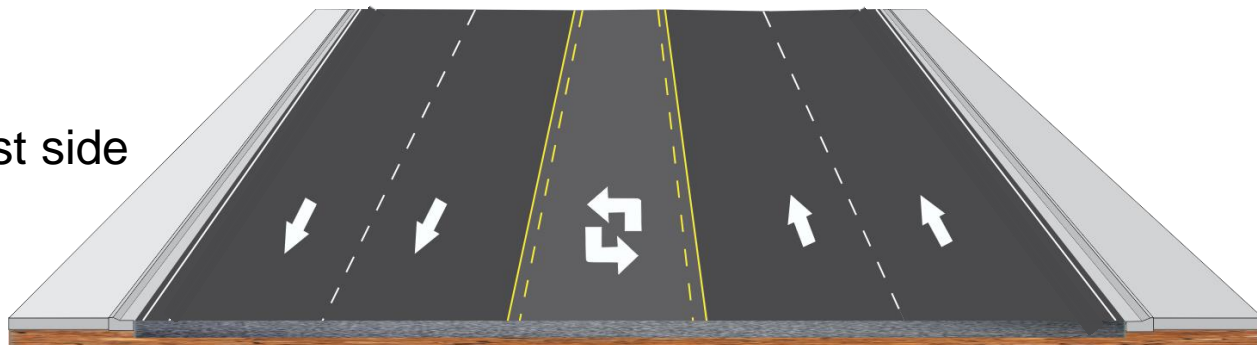
- **Phase One** Laurel St. to Spruce St.

- 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



Signal O' Brien St. & Spruce St.

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



US Army Corps
of Engineers®



- **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

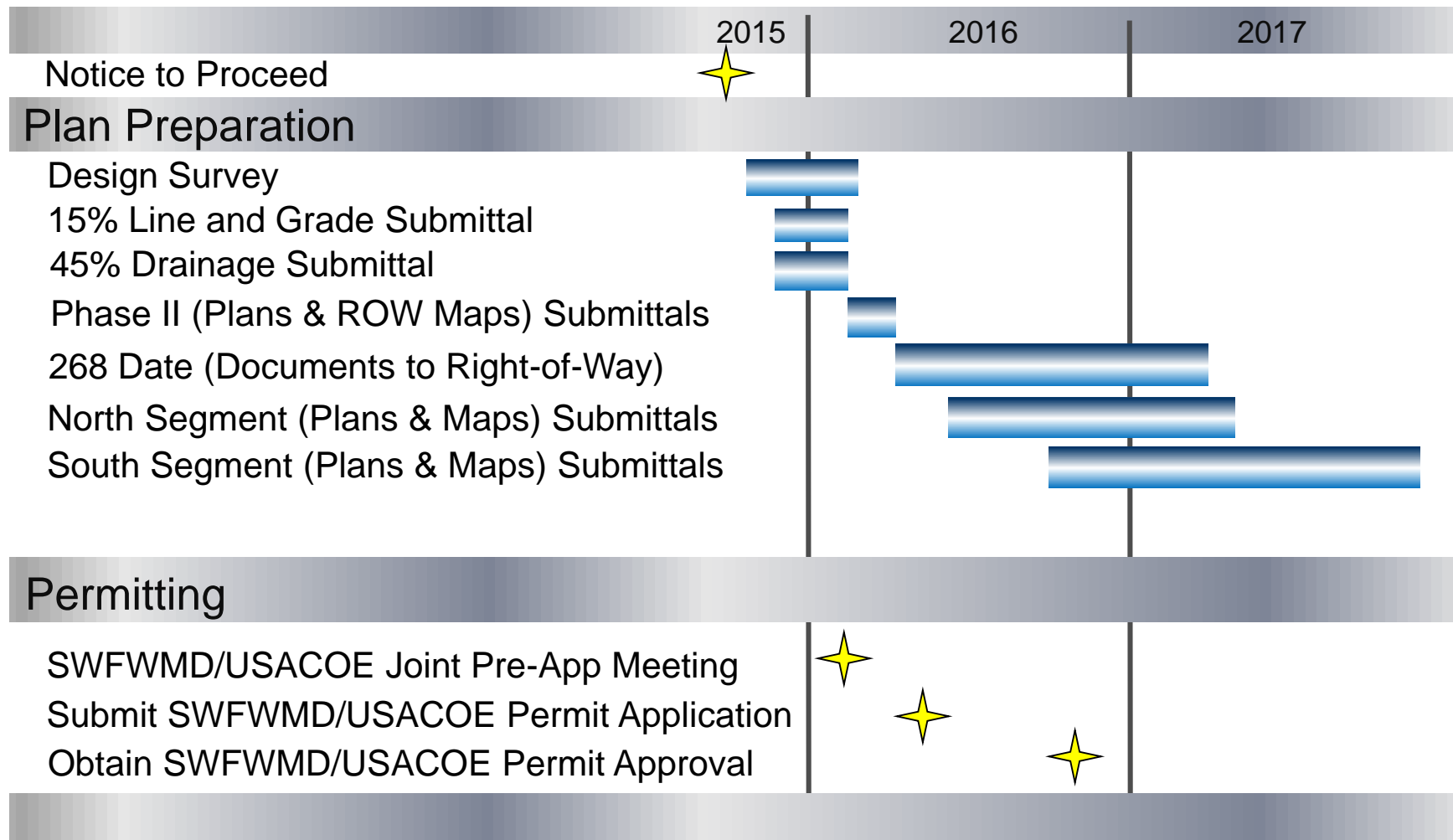
Management Plan

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



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.