CONSTRUCTION
PUBLIC INFORMATION MEETING

Monday, March 6, 2017
Welcome
Project Team

City of Port St. Lucie

W

Target Engineering Group

RS&H

Cardno

QCA
Project Introduction
Crosstown Parkway

- Match existing Crosstown corridor
- 8 ft. sidewalk with pedestrian lighting
- Berm and Fences along properties
Project Enhancements

- Linear Park
- Exercise Stations
- Parking
- Meandering Sidewalk
- Landscaping
- Pedestrian Lighting
- Water Fountains
Coral Reef Street Trailhead

- Neighborhood Park
- Public Dock
- Parking Area
- Canoe/Kayak Launch
Bridge Aesthetics

- Fish Sculptures
- Guy Harvey Art
- Low Profile Barrier Wall
Bridge Features

- Dedicated Bicycle Lanes
- Pedestrian Overlooks
- Decorative Railing
- Pedestrian Rail Lighting
Crosstown Parkway / US Hwy 1 Intersection

- Signalized Intersection
- Pedestrian Refuge Islands
- Triple Left Turns
- Double Right Turns
Anticipated Project Schedule

- Manth Lane to Coral Reef Street: February 2017 to July 2019
- Bridge Construction: May 2017 through October 2019
- US Highway 1 and Village Green: August 2017 through April 2019
- Floresta Intersection: June 2017 through August 2017
Trestle - Purpose
Trestle - Installation
Trestle - Impacts
Trestle – Environmental Value
Piling - Purpose
Piling - Installation
Pile Driving Video
Pier - Installation
Pier - Impacts
CAPS - Casting
CAPS - Erection
Beams - Transportation
Beams - Erection
Beams - Impacts
Decks - Forming
Decks – Rebar Installation
Decks - Casting
Decks - Finishing
Decks - Curing
Decks - Impacts
Miscellaneous - Grooving
Bridge Time Lapse
Superstreet is a Restricted Crossing U-Turn intersection (FHWA)

- Works like a stretched out, signalized roundabout
- Reduces signal phasing from 4 to 3 phases. U-turns are signalized and synchronized.
- Will be clearly signed and striped
- Effective in improving travel time and reducing delays
- Increases safety by reducing conflict points at major crossovers
Floresta Drive Intersection

Signal Phase 1: Crosstown Parkway Left-turn, Floresta Right Turns
Signal Phase 2: Floresta Right and U-turns, Pedestrians Cross Crosstown Parkway
Floresta Drive Intersection

Signal Phase 3: Thru-Movement of Crosstown Parkway, Pedestrians Cross Floresta Dr
Safety Benefits of Superstreet

- Conflict Points reduced from 32 to 14 (56% reduction) compared to traditional 4-leg intersection
  - Fewer crashes
  - Less severe crashes

- Pedestrian safety
  - Large median refuge
  - Conflict between pedestrians and left-turning vehicles on Crosstown Parkway eliminated
    - Conflict points reduced from 24 to 8 (67% reduction)

- Floresta Drive remains a neighborhood street.
- Emergency vehicles traverse mountable curb in median.
Safety Benefits of Superstreet

Traditional Intersection: 32 conflicts

Superstreet Intersection: 14 conflicts
## Superstreet Benefits

<table>
<thead>
<tr>
<th>Measurement Criteria</th>
<th>Traditional Intersection</th>
<th>Superstreet Intersection</th>
<th>Improvement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Opening Year (2017)</td>
<td>E</td>
<td>B</td>
<td>3 Levels</td>
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<tr>
<td>Level Of Service</td>
<td></td>
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<tr>
<td>Design Year (2037)</td>
<td>F</td>
<td>C</td>
<td>3 Levels</td>
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<tr>
<td>Level Of Service</td>
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<tr>
<td>Conflict Points</td>
<td>32</td>
<td>14</td>
<td>56% fewer</td>
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<tr>
<td>Average Delay Time</td>
<td>122.6 seconds</td>
<td>14.7 seconds</td>
<td>8 times faster</td>
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</table>
Successful Superstreets in Other States

- **North Carolina**
  - Chapel Hill: US 15/Erwin Road
  - Holly Springs: SR 55 Corridor (Multiple Intersections)
  - Leland: US 17 Corridor (Multiple Intersections)
- **Ohio**
  - Fairfield: SR 4 Corridor (Multiple Intersections)
- **Texas**
  - San Antonio: US 281 Corridor (Multiple Intersections)
- **Michigan, Louisiana, Maryland, Utah, South Carolina**
Contractor – Project Manager
Chris Brown

- Archer Western
  - Established in 1983 and a subsidiary of The Walsh Group
  - Largest bridge builder in US (ENR 2013)
  - Top 15 Contractor (Engineering News Record)
  - Nine bridges over Florida waters in the past five years (five design-build projects)
  - Numerous construction awards

  ✓ Good Neighbors
  ✓ Local Hires
  ✓ On the Job Training
Local Bridge Experience

- Veterans Memorial Bridge, Martin County
- Jensen Beach Causeway, Martin County
- Boynton Beach Boulevard Bascule Bridge, Palm Beach County
Major Team Subcontractors

- Ranger Construction Industries, Inc.
  - Roadway
  - Earth work
  - Asphalt

- Felix Associates
  - Water
  - Sewer
  - Storm Drainage
Stay Informed

Contact Us:
Project Hotline: 772-871-5176
Beth.Zsoka@QCAusa.com

Email Updates

Your Name (required)

Your Email (required)
Announcements

Groundbreaking Event
Tentative - Tuesday, May 9, 2017
Starting at 10 a.m.
Intersection of Crosstown and Sandia Drive

Job Fair
Date TBD - Anticipated April/May
Civic Center on U.S. Highway 1
More information to follow
Prospective Workers, Vendors and Subcontractors
Final Remarks

Thank you!

We will now open the meeting for Question and Answers.

Guests interested in speaking must fill out a speaker card. Staff is available to hand those out. You will be called in the order the cards are collected.