Florida Department of Transportation

FPN 431657-1-52-01
SR 811 / NE 4th Avenue / Wilton Drive
(From SR 838 Sunrise Boulevard to NE 26th Street)

Wilton Drive Improvement District Meeting

March 30, 2017
Project Location

STATE ROAD NO. 811 (NE 4TH AVENUE)
FROM SUNRISE BLVD. TO NE 26TH ST.

END PROJECT
STA 125+79.76
MP 1.814

END BRIDGE
STA 82+32.56

BEGIN BRIDGE
STA 81+74.77

SR 811 - Wilton Drive
EQUATION: STA 70+86.74 BK
           STA 70+86.67 AH

TO FT. LAUDERDALE

SR 811 - NE 4th Avenue
BEGIN PROJECT
STA 30+43.08
MP 0.008
Schedule

2016
- NTP 2/8/2016
- Preliminary Engineering
  - Develop Concepts

2017
- Final Engineering
  - Develop Details
- Progress Status Line 3/30/2017

2018
- Production 12/2017
- Funding Programmed
Past Projects

- Lane Widening (Wilton Drive)
  - FDOT - 1984

- Parking Bays / Sidewalk / Landscape / Hardscape
  - FDOT – 1998
Next Generation of Projects

- Lane Elimination Application (NE 4th Avenue / Wilton Drive)
  - Ft. Lauderdale - 2016
- Roadway Improvement Project (NE 4th Avenue / Wilton Drive)
  - MPO / FDOT - (2016 to 2019)
- Enhancement Project (Wilton Drive)
  - Wilton Manors - 2019
Basis of Design

- **PLANNING**
  - Turn Lane Queue Lengths
  - Public Outreach

- **DESIGN - CRITERIA**
  - Chapter 2: Design Geometrics and Design
  - Chapter 4: Roadside Safety
  - Chapter 8: Pedestrian, Bicycle and Public Transit Facilities
  - Chapter 23: Design Exceptions Design Variance

- **CONSTRUCTION PLANS**
  - Details
  - Parking
  - Drainage Structures
  - Traffic Control
The Context

Land Use

- Sunrise Blvd to NE 16\textsuperscript{th} Street
  - Commercial – Businesses Set Back with On Site Parking
- NE 16\textsuperscript{th} Street to Middle River (High School Segment)
  - School District
- Middle River to NE 9\textsuperscript{th} Avenue (The Wilton Drive Segment)
  - Historical Preserve
  - City Hall
  - Pocket Parks
  - Commercial – Business directly at the roadway right of way
    - Eastside Characterized by Multi-Level Structures
    - Westside Characterized by Single Level Structures
- NE 9\textsuperscript{th} Avenue to NE 26\textsuperscript{th} Street
  - Commercial – Businesses Set Back with On Site Parking
Study Segments

- Segment 1 - Sunrise Blvd to NE 16th Street
  - Typical Section (1, 2 and 3)

- Segment 2 - NE 16th Street to Middle River (High School Segment)
  - Typical Section (4)

- Segment 3 – Middle River Bridge
  - Typical Section (5)

- Segment 4 - Middle River to NE 9th Avenue (The Wilton Drive Segment)
  - Typical Section (6)

- Segment 5 – NE 9th Avenue to NE 26th Street
  - Typical Section (7)
Agency / Public Meetings

- **Agency Meetings**
  - March 23, 2016 – MPO / Ft. Lauderdale / Wilton Manors Staffs
  - April 27, 2016 – MPO / Ft. Lauderdale / Wilton Manors Staffs
  - May 11, 2016 – Ft. Lauderdale / Wilton Manors Staffs
  - May 26, 2016 – Wilton Manors Staff
  - July 8, 2016 – Ft. Lauderdale Staff
  - **March 30, 2017 – Wilton Drive Improvement District**

- **Public Meetings**
  - June 8, 2016 – Wilton Drive Improvement District
  - July 12, 2016 – Wilton Manors City Council
  - September 13, 2016 – FDOT / Ft. Lauderdale / Wilton Manors on Lane Elimination Project
  - TBD – Public Meeting (Future Meeting)
Agency Stakeholders

- Feedback from Wilton Manors
  - Maintain Number of On Street Parking Spaces
  - Safety
    - More Signalized Crosswalks
    - Jay walking
    - Wider Sidewalks
    - Roadway Lighting
    - Pedestrian Lighting
  - Patio Areas
  - Landscape Opportunity Areas
    - Shade Trees
    - Understory Trees
    - Irrigation Sleeves
  - Way Find Signage
  - Gateways
Objectives

In Wilton Manors

- Promote
  - Sense of Place through Context Sensitive Solutions
  - Walkability
    - Lower Vehicular Speeds – Road Diet
    - Widen Sidewalks
    - Emphasize Visual Impact at Crosswalks
  - Consider Context Solutions – Shade Trees
  - Businesses – Patio Areas
- Bicycle Usage – Buffered Bike Lanes
- Parking – Maintain Metered Parking Spaces (Where Feasible)
- Accommodate Mass Transit and Freight

- Constraints
  - State Road – FDOT Design Criteria / Design Standards / Maintenance
  - Parking / Business Revenue – City of Wilton Manors
  - Construction Costs – MPO Budget
  - Right of Way
  - Access Management
  - Existing Landscape in Wilton Manors
Middle River to NE 9th Avenue

- Improve Walkability
  - Review Pedestrian Experience Day / Night
    - Assessed Sidewalks
    - Along Southbound Lanes
    - Along Northbound Lanes
  - Businesses - Patio Areas
  - Existing Landscape / Landscape Opportunities
Sidewalks - Westside

Type 1 Sidewalk
(6’ Wide – No Landscape)
(6 Locations – 1800 LF)

Type 2 Sidewalk
Sidewalk (6’+ Wide) with Landscape Strip

Type 3 Sidewalk
Sidewalk (10’ + Wide) with Landscape
Sidewalks - Eastside

Type 1 Sidewalk
(6’ Wide – No Landscape)
(2 Locations – 300 LF)

Type 2 Sidewalk
Sidewalk (6’ + Wide) with Landscape Strip

Type 3 Sidewalk
Sidewalk (10’ + Wide) with Landscape

Reconstruct

Maintain

Goal
Sidewalk Assessment

Westside

Middle River
20th St.
21st St.
21st Ct.
22nd St.
6th Ave.
7th Ave.
8th Ave.
9th Ave.
11th Ave.
26th St.

Eastside

Type 1 Sidewalk
Type 2 Sidewalk
Type 3 Sidewalk
## Sidewalks

<table>
<thead>
<tr>
<th>Wilton Drive</th>
<th>Length</th>
<th>6'</th>
<th>&gt; 10'</th>
<th>6'</th>
<th>12.5'</th>
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<td>900</td>
<td>5900</td>
<td>1800</td>
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</table>
Sidewalks

10’ Wide Sidewalks Doubled

Type 1 Sidewalk (Reconstruct 1800 LF)

Type 2 Sidewalk (Sidewalk with Landscape Strip – To Remain)

Type 3 Sidewalk (Landscape within Wide Sidewalk – To Remain)
# Middle River to NE 9th Avenue

## On Street Parking

<table>
<thead>
<tr>
<th>Wilton Drive</th>
<th>Parking Spaces (Existing)</th>
<th>Parking Spaces (Proposed)</th>
<th>Net Increase / Decrease</th>
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<tbody>
<tr>
<td><strong>Middle River Bridge</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Westside</td>
<td>3</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td>Eastside</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
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<tr>
<td>Westside</td>
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<td>3</td>
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</tr>
<tr>
<td><strong>NE 21st Street</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Westside</td>
<td>0</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Eastside</td>
<td>0</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td><strong>NE 21st Court</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Westside</td>
<td>5</td>
<td>4</td>
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<tr>
<td>Eastside</td>
<td>14</td>
<td>8</td>
<td>-6</td>
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<td>Westside</td>
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<td>6</td>
<td>-2</td>
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<tr>
<td><strong>NE 7th Avenue</strong></td>
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</tr>
<tr>
<td>Eastside</td>
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<td>-4</td>
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<td><strong>NE 8th Avenue</strong></td>
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<tr>
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<td>1</td>
<td>-4</td>
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<tr>
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<td>-4</td>
</tr>
<tr>
<td><strong>NE 8th Terrace</strong></td>
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<tr>
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<td>0</td>
<td>0</td>
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</tr>
<tr>
<td>Eastside</td>
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<td>2</td>
<td>-3</td>
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<tr>
<td><strong>NE 9th Avenue</strong></td>
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</tr>
<tr>
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</tr>
<tr>
<td>Eastside</td>
<td>4</td>
<td>5</td>
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</tr>
<tr>
<td><strong>NE 26th Street</strong></td>
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<tr>
<td>Totals</td>
<td>82</td>
<td>73</td>
<td>-9</td>
</tr>
</tbody>
</table>

- **82 Existing Parking Spaces**
- **73 Proposed Parking Spaces**
- **9 Spaces 11% Decrease**
## Middle River to NE 9th Avenue

### Landscape Opportunities

<table>
<thead>
<tr>
<th>Wilton Drive</th>
<th>Shade Tree Planters</th>
<th>Understory Tree Planters</th>
<th>Parking Bay Conversion to Landscape Area</th>
<th>Landscape Opportunity Areas at Right of Way</th>
</tr>
</thead>
<tbody>
<tr>
<td>Middle River Bridge</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>NE 20th Street</td>
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<td>NE 21st Court</td>
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<td>9</td>
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<td>1</td>
</tr>
<tr>
<td>NE 6th Avenue</td>
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<td>0</td>
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<td>NE 7th Avenue</td>
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<tr>
<td>NE 8th Avenue</td>
<td>1</td>
<td>3</td>
<td>2</td>
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</tr>
<tr>
<td>NE 8th Terrace</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>NE 9th Avenue</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>NE 26th Street</td>
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<tr>
<td><strong>Totals</strong></td>
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<td><strong>45</strong></td>
<td><strong>4</strong></td>
<td><strong>2</strong></td>
</tr>
</tbody>
</table>

- **Shade Tree Planters - 13**
- **Understory Tree Planters - 45**
- **Impervious increased by 2%**
Improvements Block to Block

Wilton Manors

- Construction Plans with Aerial Background
  - Middle River to NE 20th Street
  - NE 20th Street to NE 21st Street
  - NE 21st Street to NE 21st Court
  - NE 21st Court to NE 22nd Street
  - NE 21nd Street to NE 6th Avenue
  - NE 6th Avenue to NE 7th Avenue
  - NE 7th Avenue to NE 8th Avenue
  - NE 8th Avenue to NE 8th Terrace
  - NE 8th Terrace to NE 9th Avenue
  - NE 9th Avenue to NE 11th Avenue
  - NE 11th Avenue to NE 26th Street
Middle River Bridge

Existing

Proposed
Middle River Bridge to 20 Street

- Landscape Opportunity Area
- Widened Sidewalks
- Crosswalks Improved
NE 21st Street to NE 21st Court

Existing

Proposed
NE 21th Court to NE 22th Street

Existing

Proposed

<p>| | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>6' Sidewalk</td>
<td>6½ Sidewalk</td>
<td>2'</td>
<td>7' Parking lane</td>
<td>3'</td>
<td>4'</td>
<td>11' Drive lane</td>
</tr>
</tbody>
</table>
Street

- Widened Sidewalks
- Landscape Opportunity Areas
- Crosswalks Improved
- Widened Sidewalks
- Landscape Opportunity Areas
NE 22nd to NE 6th Avenue

Existing

Proposed
NE 6 Avenue to NE 7 Avenue

Existing

Proposed
Crossroads Avenue

- Widened Sidewalks
- Crosswalks Improved
- Landscape Opportunity Areas
Avenue

Existing

Proposed
NE 7th Ave. to NE 8th Terrace

Crosswalks Improved

Landscape Opportunity Areas

Widen Sidewalks

Landscape Opportunity Areas
Comparison of NE 8 Terrace to NE 9 Avenue

**Existing**

**Proposed**

- 6' Sidewalk
- 6½' 2
- 7' Buffer
- 7' Bike lane
- 11' Drive lane
- 11' Center turn lane
- 11' Drive lane
- 4' 3'
- 7' Parking lane
- 2'
- 7' Bench
- 11' Sidewalk
Avenue

Crosswalks improved

Landscape Opportunity Areas

Left Turn Lengthen

Crosswalks Improved
38

Crosswalks Improved

END PROJECT
Avenue (1)
NE 9 Avenue to NE 11 Avenue (2)

Existing

Proposed
Roadway Improvement Project

- Roadway Improvement Project (NE 4th Avenue / Wilton Drive)
  - Maintain Landscape Areas
  - Repurposed 12 of 13 On Street Parking Bays into:
    - On - Street Parking
    - Wider Sidewalks
    - Shade Tree Planters
    - Understory Tree Planters
    - Patio / Landscape Opportunity Areas
  - Curb Bulb Outs at Intersections
  - Pedestrian Signal Upgrades
  - Shorter / Textured Crosswalks
  - Lighting Signalized Crosswalks
  - Corridor Roadway Corridor Lighting
  - Drainage Modifications
Existing Condition
“The Drive” – Option A

LANDSCAPE (CITY FUNDED)
Sidewalk Features / Enhancements

- **LANDSCAPE LIGHTING**
  (CITY FUNDED)

- **BRICK PAVERS / TREE GRATES**
  (CITY FUNDED)

- Sidewalk Drainage
“The Drive” – Option B

LANDSCAPE (CITY FUNDED)

BRICK PAVERS (CITY FUNDED)
“The Drive” – At Dusk
“The Drive” – Option A

LANDSCAPE (CITY FUNDED)
“The Drive” – Option B

BRICK PAVERS (CITY FUNDED)
“The Drive” – At Dusk
“The Drive” – Option A

LANDSCAPE (CITY FUNDED)
“The Drive” – Option B

BRICK PAVERS (CITY FUNDED)

LANDSCAPE (CITY FUNDED)
“The Drive” – Option A

LANDSCAPE (CITY FUNDED)
“The Drive” – Option B

BRICK PAVERS (CITY FUNDED)

LANDSCAPE (CITY FUNDED)
Intersections

LANDSCAPE (CITY FUNDED)
Crosswalks

Stamped Asphalt

![Crosswalks with Stamped Asphalt patterns](image-url)
Contact Information

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(407) 960-3973