

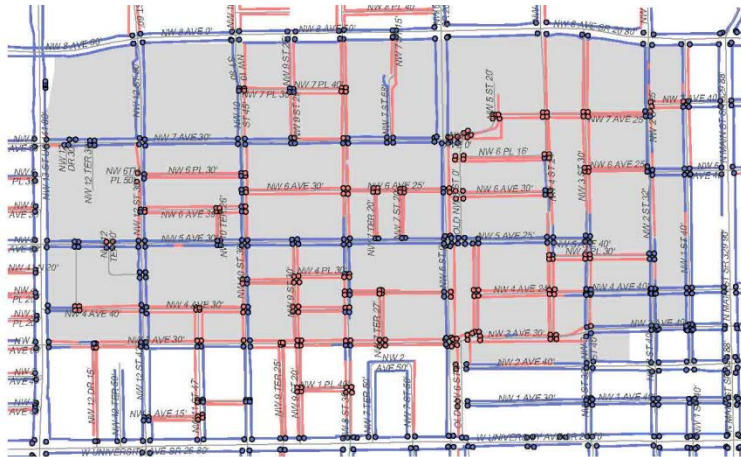
# NW 3<sup>rd</sup> Ave Sidewalk Feasibility Study

CRA Board Presentation

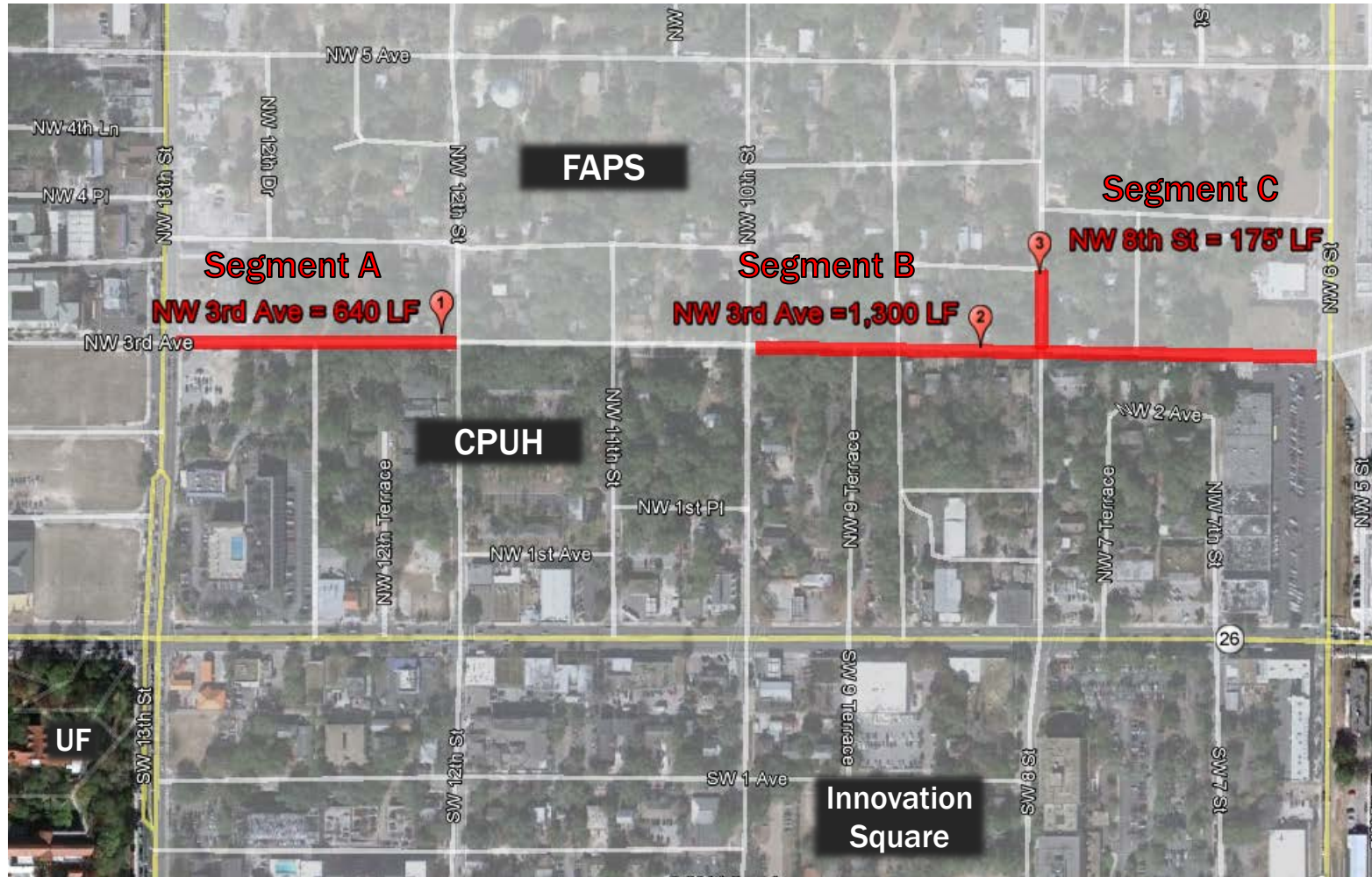
April 21, 2014

# Project Background & Scope

- ❑ Project Initiated by Fifth Avenue/Pleasant Street Advisory Board in Spring of 2013
- ❑ Project Included in CRA Adopted Work Plan
- ❑ Develop Feasibility Study to Analyze Opportunities & Constraints Associated with Sidewalk Location & Construction
- ❑ Survey Corridor & Confirm R.O.W.
- ❑ Engineering Consultant Services
- ❑ Coordinate with Public Works & Other Stakeholders



# Study Boundary & Context





# Project Goals

Based on Feedback & Input Provided by Public Works, FAPS, CPUH, & GFD

1. Meet Minimum Regulatory Design Criteria
2. Accommodate Within Existing Right-of-Way
3. Attempt to Maintain Sidewalk on Contiguous Side of Street
4. Preservation of Existing On-Street Parking
5. Accommodate Planned Bicycle Boulevard in Design Plans
6. Protect Existing Tree Canopy
7. Coordinate With Existing Adjacent Proposed Developments (13<sup>th</sup> St. Mixed-Use Project & University Corners)
8. Consider Alternatives to Existing Traffic Circles

# Existing Conditions



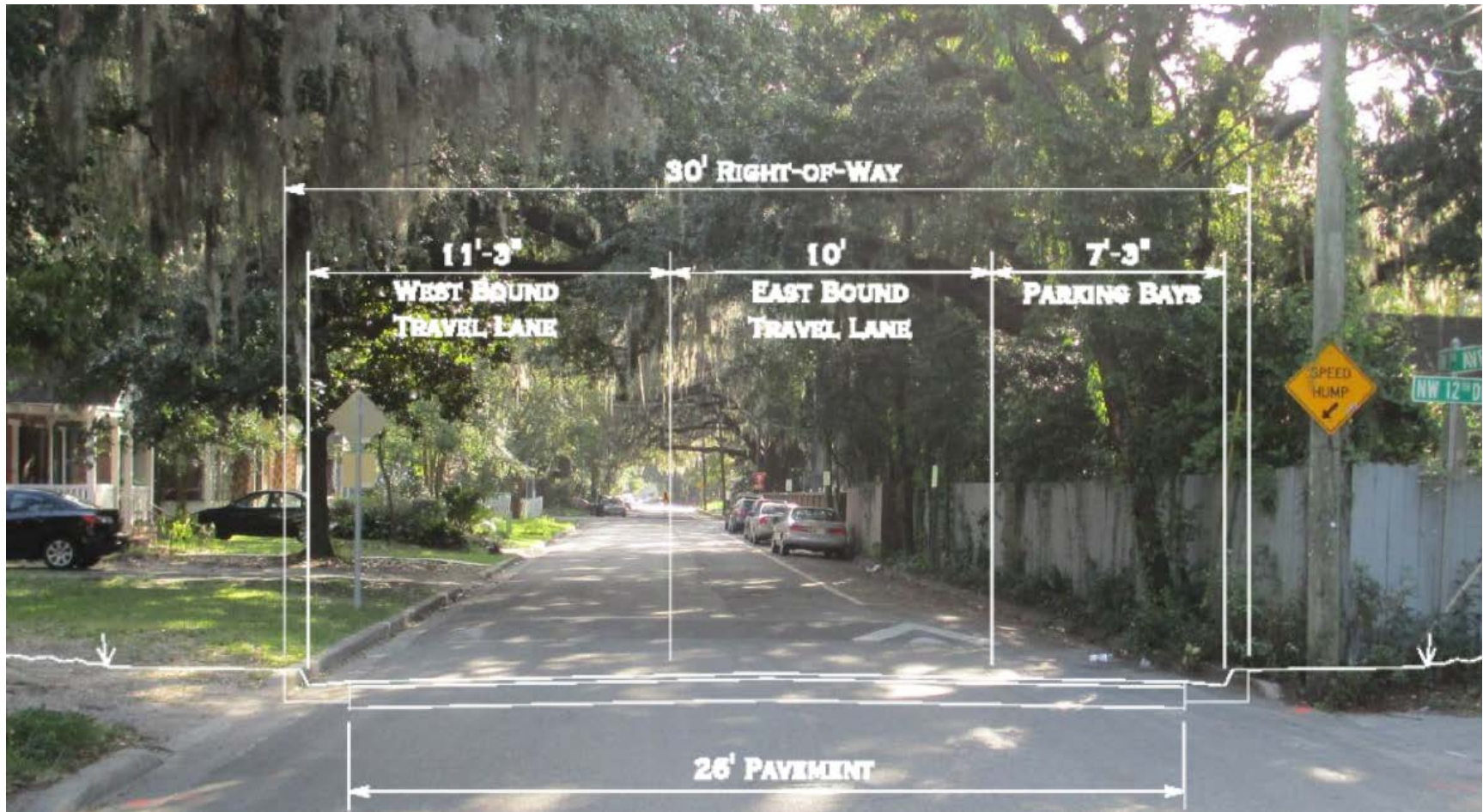


# Existing Conditions





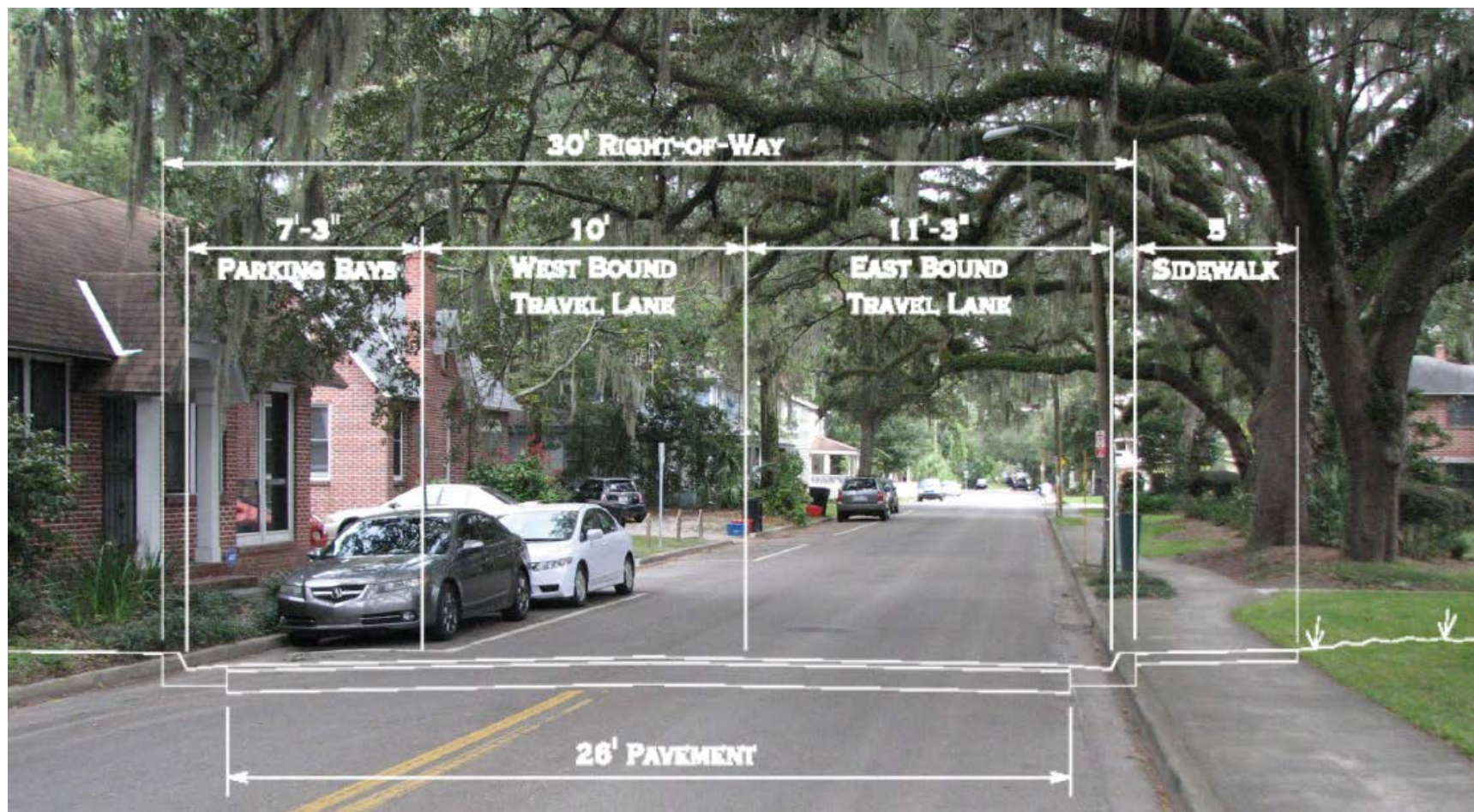
# Existing Conditions : Cross-Sections



Segment A : NW 13<sup>rd</sup> Ave. to NW 12<sup>th</sup> St.



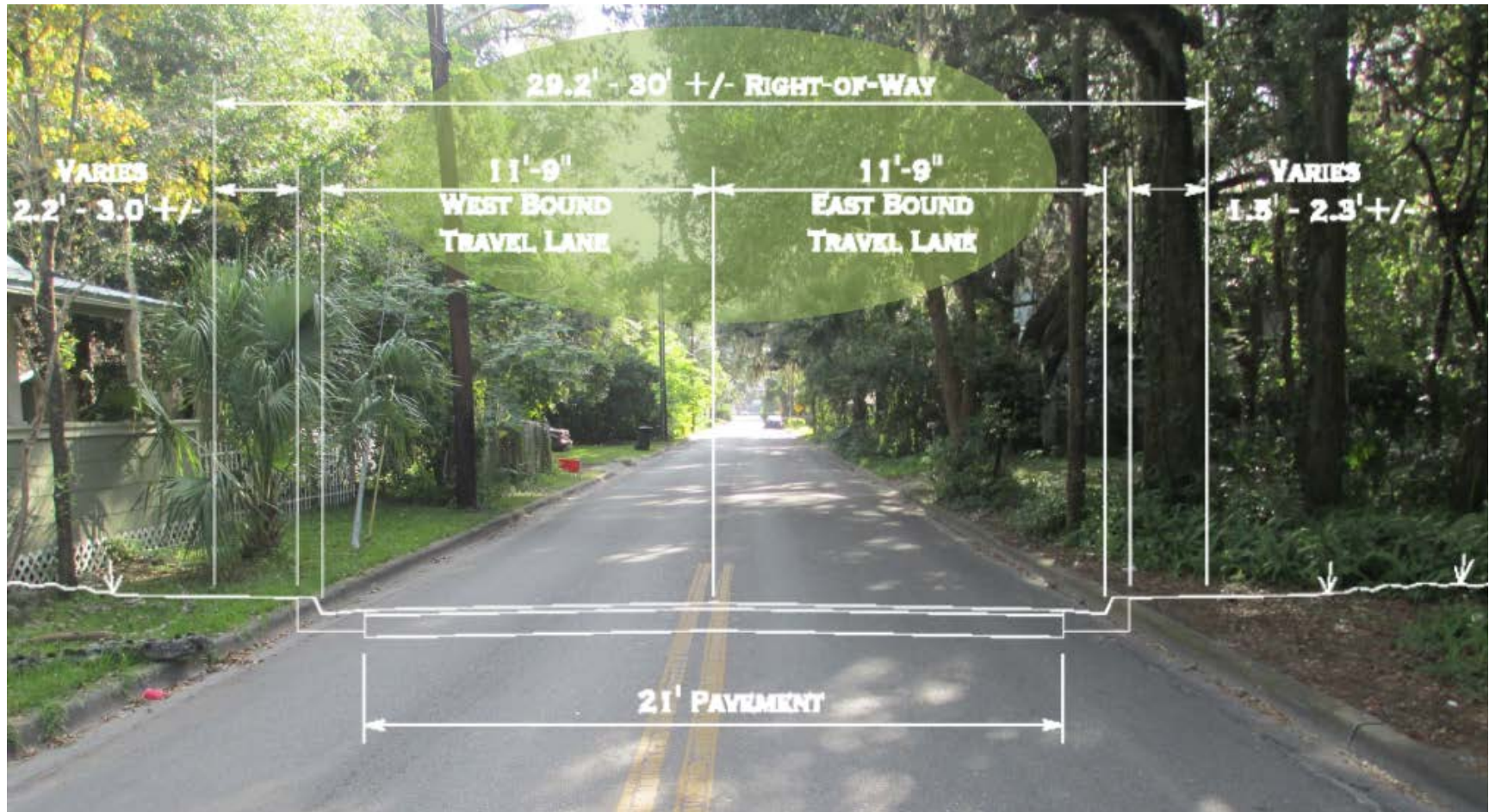
# Existing Conditions : Cross-Sections



NW 12<sup>th</sup> St. to NW 10<sup>th</sup> St.

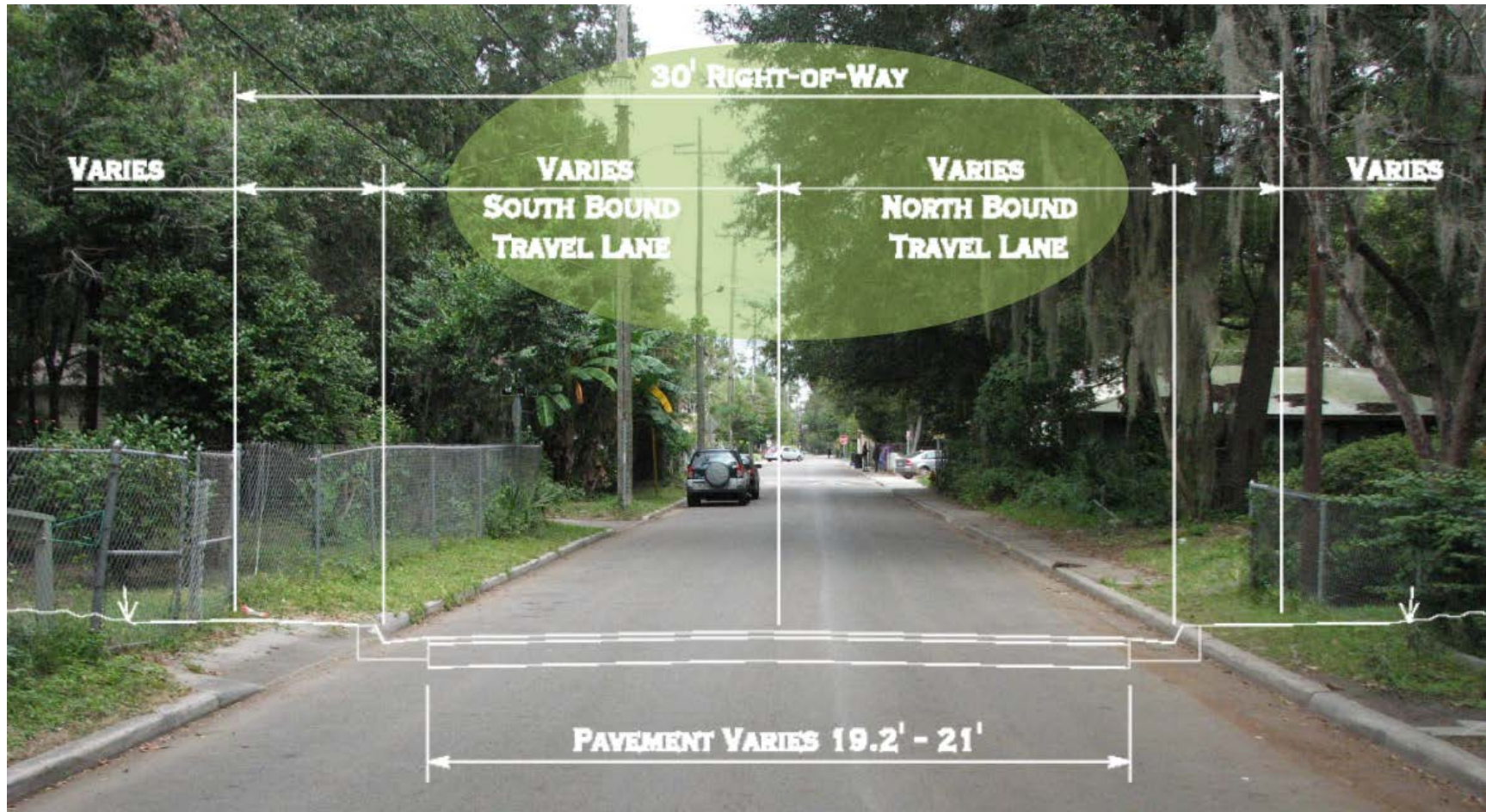


# Existing Conditions : Cross-Sections



Segment B : NW 10<sup>th</sup> St. to NW 6<sup>th</sup> St.

# Existing Conditions : *Cross-Sections*



**Segment C : NW 10<sup>th</sup> St. to NW 6<sup>th</sup> St.**



# Existing Conditions : *Design Criteria*

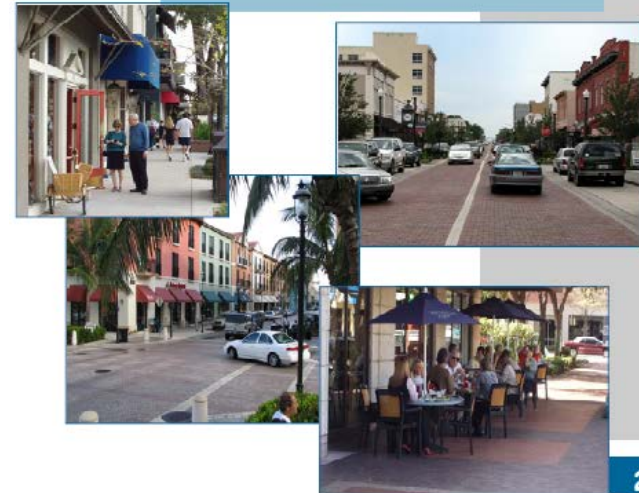
Design Guideline	Desirable Lane Widths	Minimum Lane Widths	Minimum Parking Width	Desirable Sidewalk Widths	Minimum Sidewalk Width	Minimum Obstruction Width	Sidewalk Notes
AASHTO	11.5 ft.	10.5 ft.	7 ft.	8 ft.	6 ft.	4 ft.	w/o utility strip
FDOT ( <i>Florida Greenbook</i> )	10 ft.	9 ft.	7 ft.	6 ft.	6 ft.	3 ft.	w/o utility strip
ITE	11 ft.	10 ft.	7 ft.	6 ft.	6 ft.	3 ft.	with 5 ft. utility strip
City of Gainesville	10 ft.	9 ft.	7 ft.	6 ft.	6 ft.	3.5 ft.	Defers to "Florida Greenbook"
DOJ <i>ADA Standards</i>	N/A	N/A	N/A	5 ft.	5 ft.	3 ft.	Passing space must be 60 inches.

Office Of Roadway Design  
Tallahassee, FL



## TRADITIONAL NEIGHBORHOOD DEVELOPMENT HANDBOOK

STATE OF FLORIDA  
DEPARTMENT OF  
TRANSPORTATION



2011

## Regulatory Framework : TND

This chapter provides criteria that may be used for the design of streets within a TND when such features are desired, appropriate and feasible. This involves providing a balance between mobility and livability. This chapter may be used in planning and designing new construction, urban infill, and redevelopment projects.

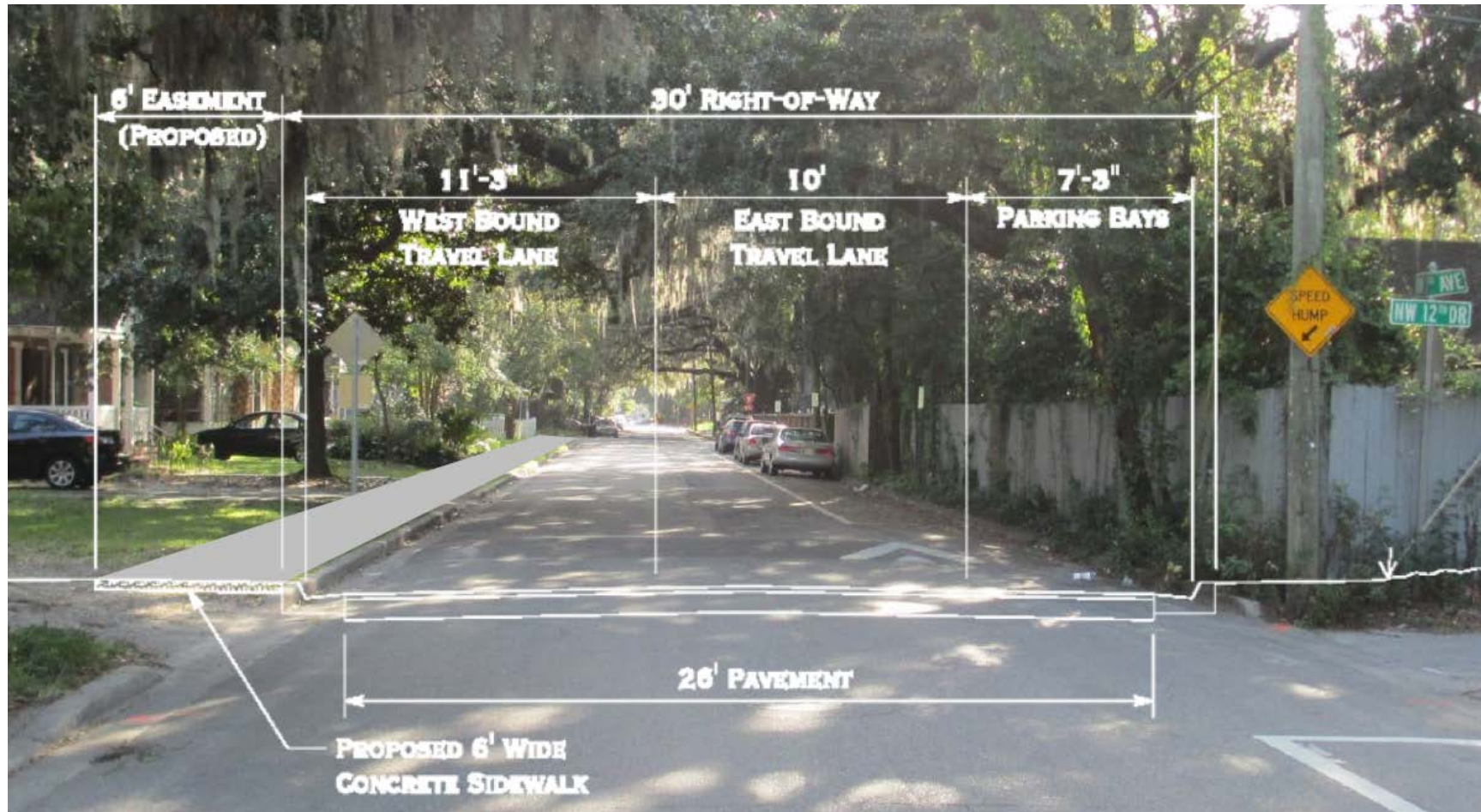
# Existing Conditions : *Adjacent Corridor*



NW 5<sup>th</sup> Ave. from NW 6<sup>th</sup> St. to NW 3<sup>rd</sup> St.

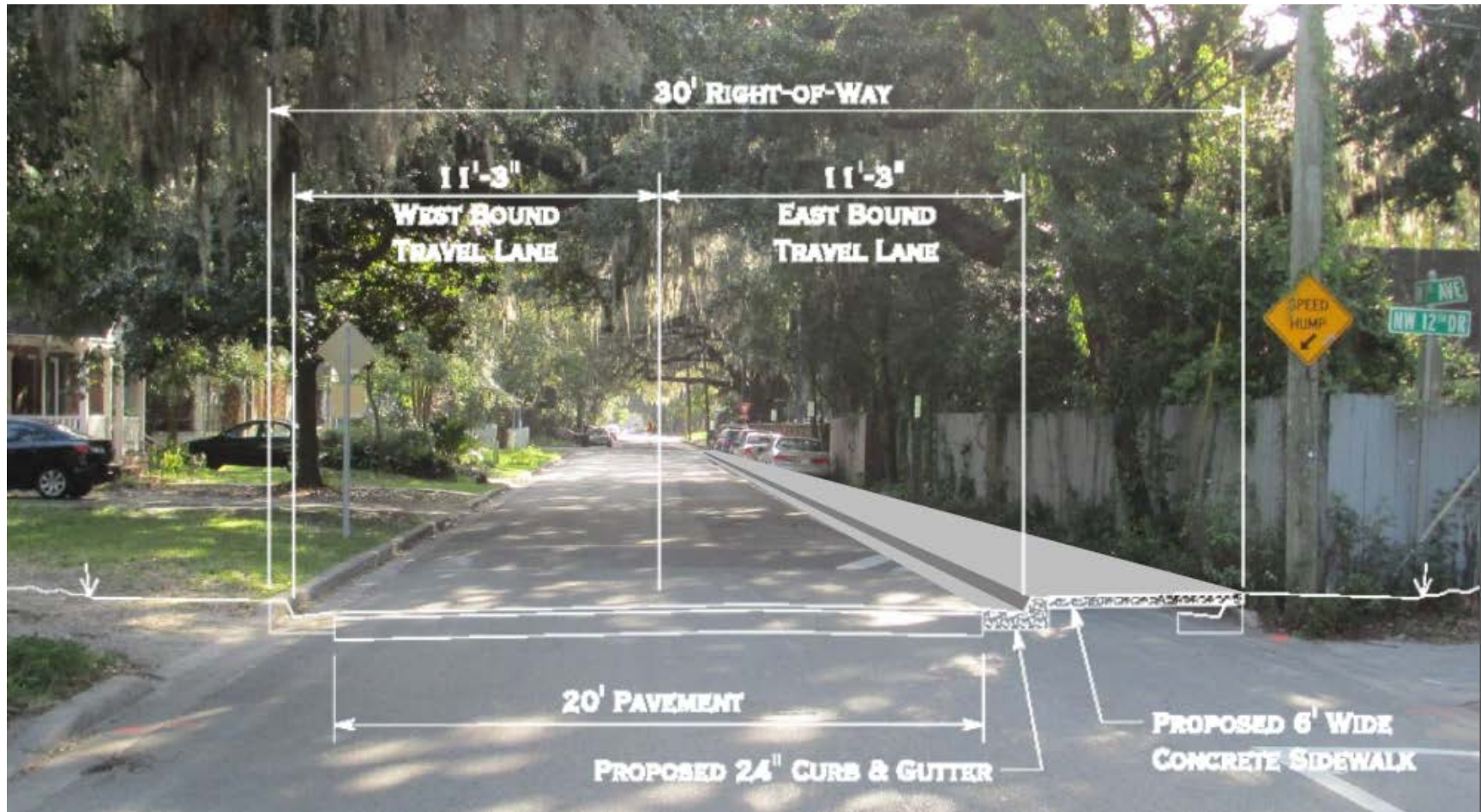


# Design Alternatives : Cross-Sections



**Segment A : 6' Sidewalk w Easements to North  
NW 13<sup>rd</sup> Ave. to NW 12<sup>th</sup> St. (Parking Preserved)**

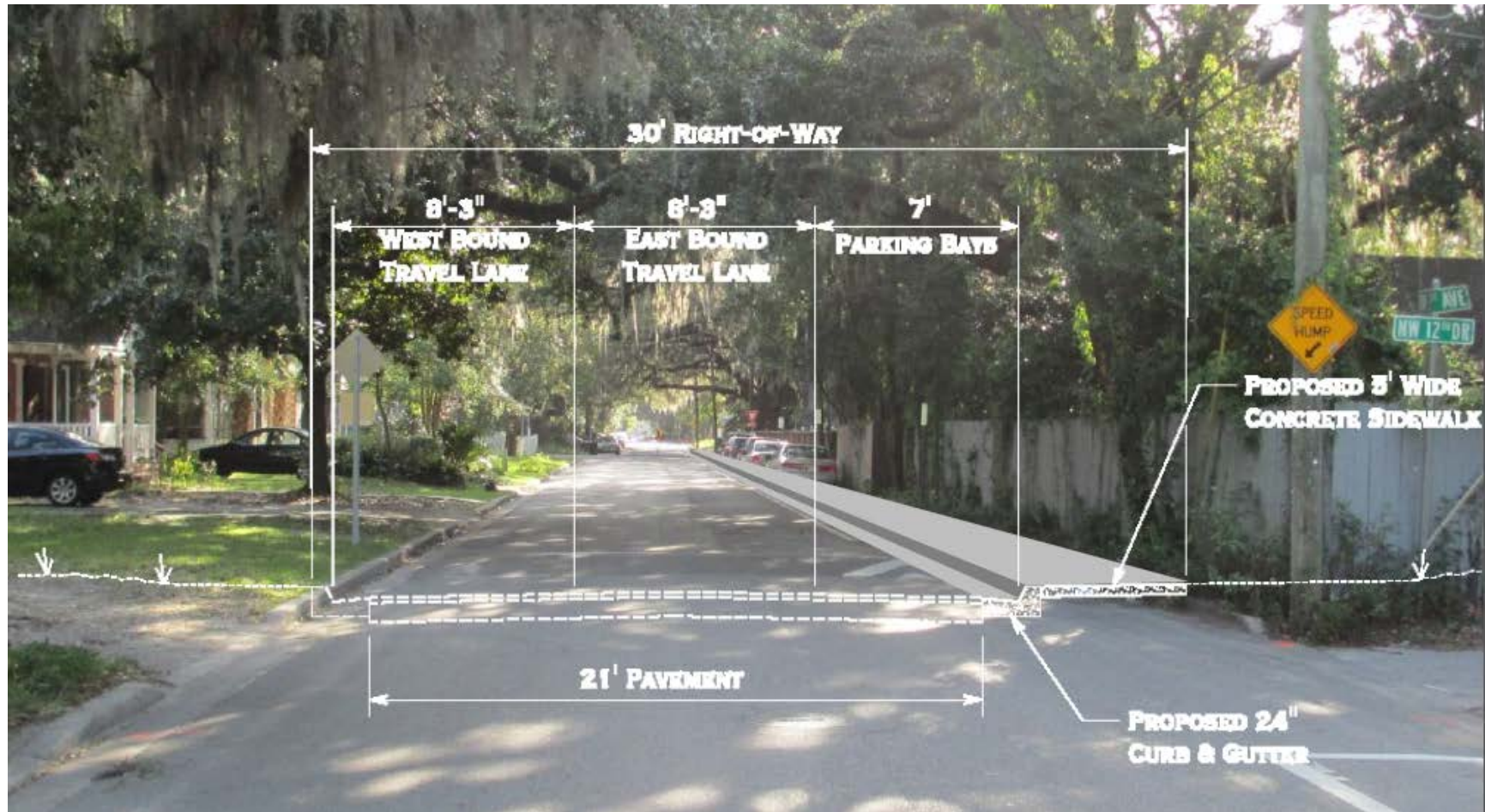
# Design Alternatives : Cross-Sections



**Segment A : 6' Sidewalk w/out Easements to South  
NW 13<sup>rd</sup> Ave. to NW 12<sup>th</sup> St. (Parking Eliminated)**

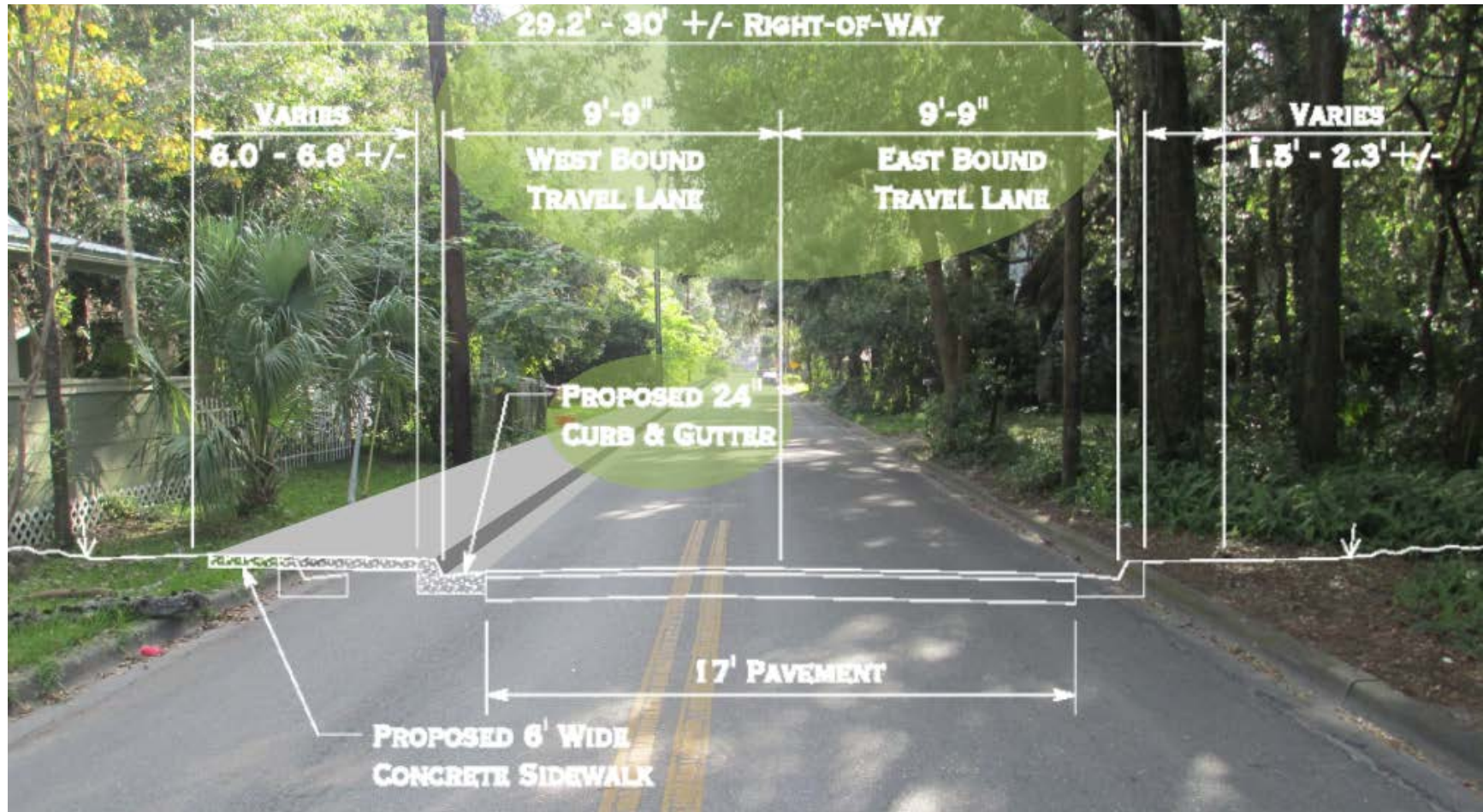


# Design Alternatives : Cross-Sections



**Segment A : 5' Sidewalk w/out Easements to South  
NW 13<sup>rd</sup> Ave. to NW 12<sup>th</sup> St. (Parking Preserved)**

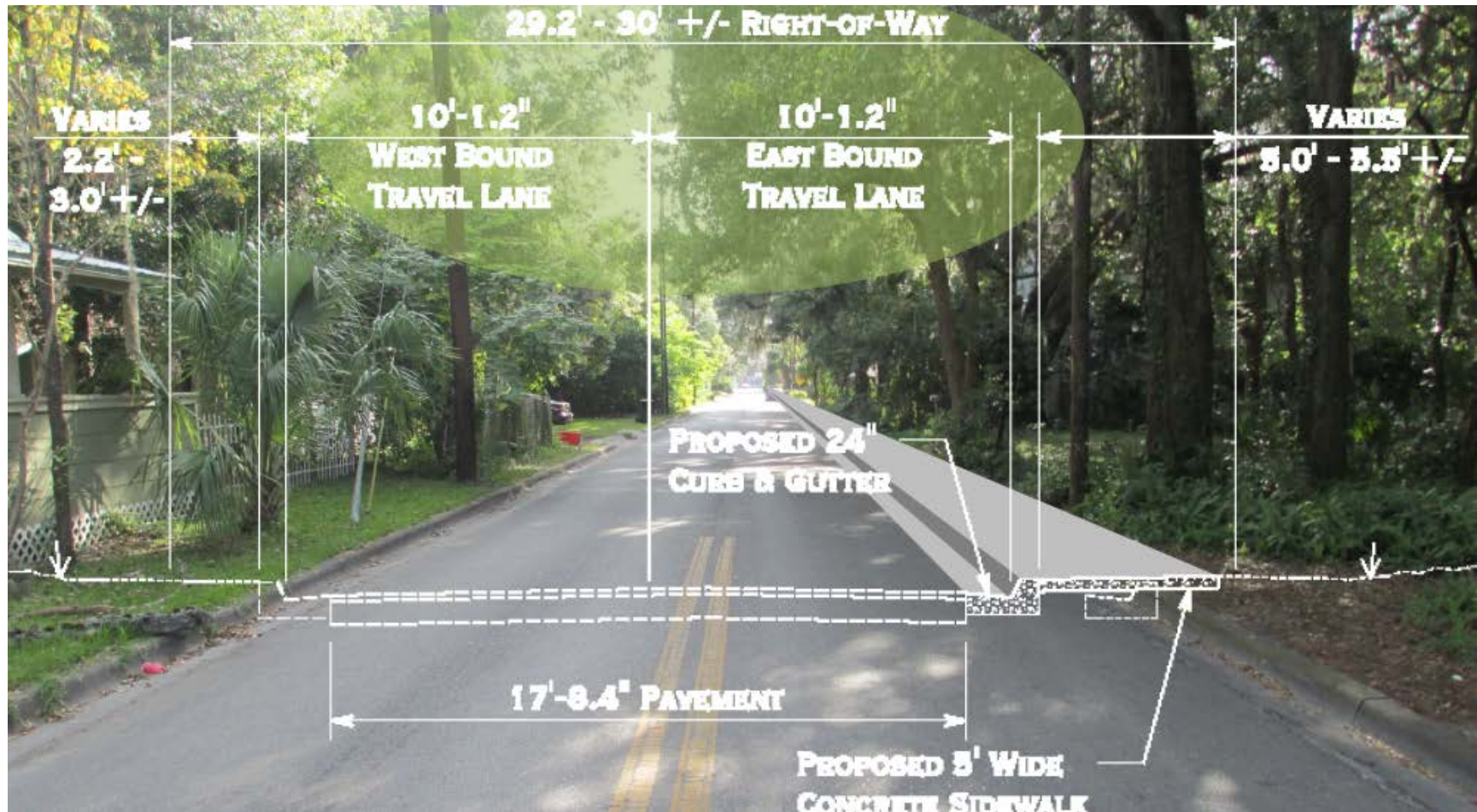
# Design Alternatives : Cross-Sections



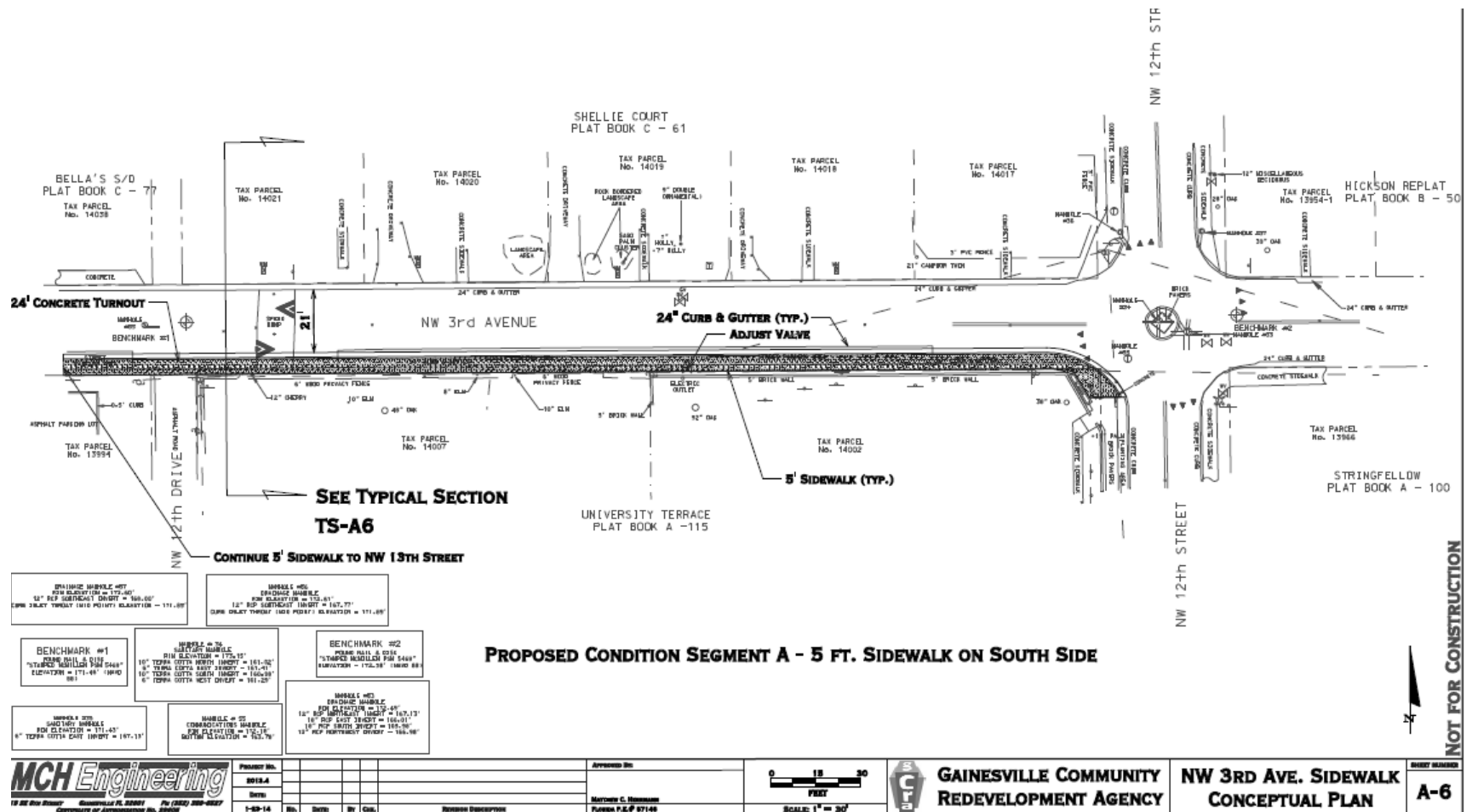
**Segment B : 6' Sidewalk w/out Easements to North**  
 NW 10<sup>th</sup> St. to NW 6<sup>th</sup> St.



# Design Alternatives : Cross-Sections



Segment B : 5' Sidewalk w/out Easements to South  
NW 10<sup>th</sup> St. to NW 6<sup>th</sup> St.



**Segment B : 5' Sidewalk w/out Easements to South  
NW 10<sup>th</sup> St. to NW 6<sup>th</sup> St.**



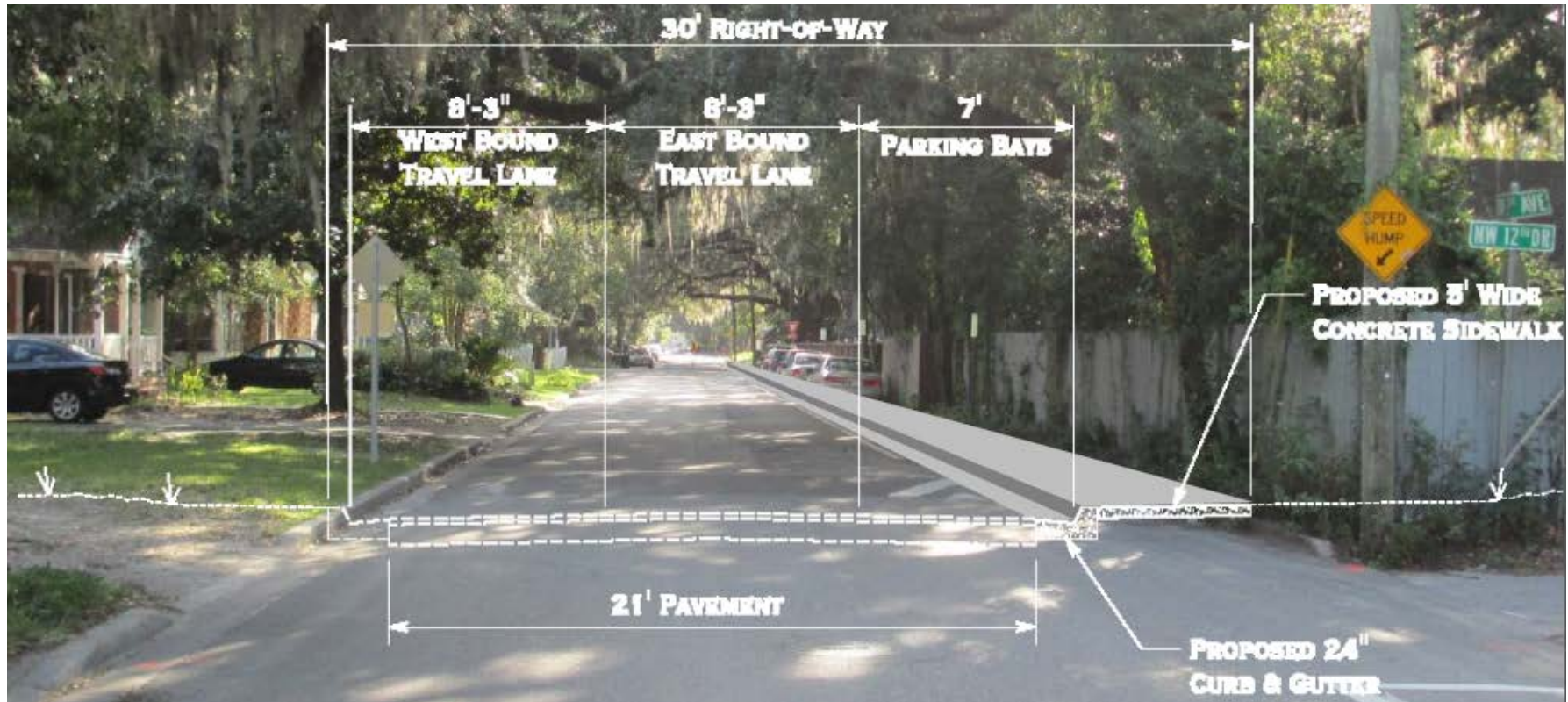
# Design Alternative : Cost Estimates

Segment A - NW 13th St./12th Dr. to NW 12th St.			Segment B - NW 10th St. to NW 6th St.			Segment C - NW 8th Street		
Typical Section	Sidewalk Description	Estimated Construction Cost	Typical Section	Sidewalk Description	Estimated Construction Cost	Typical Section	Sidewalk Description	Estimated Construction Cost
TS-A1	6 ft. North Side w/Easement	\$16,763	TS-B1	5 ft. North Side	\$101,910	TS-C1	5 ft. East Side	\$10,587
TS-A2	5 ft. North Side w/Easement	\$14,396	TS-B2	5 ft. South Side	\$107,736	Estimated Construction Cost Range		
TS-A3	6 ft. North Side w/Loss of Parking	\$24,658	TS-B3	6 ft. North Side	\$121,832	Low End		\$126,893
*TS-A4	6 ft. South Side w/Loss of Parking	\$47,003	TS-B4	6 ft. South Side	\$113,565	High End		\$179,422
TS-A5	5 ft. North Side w/Narrow Lanes	\$22,599				Estimated Total Project Cost Range		
*TS-A6	5 ft. South Side w/Narrow Lanes	\$42,998				Low End		\$144,393
					**Estimated Engineering Design Cost:	\$17,500.00	High End	\$196,922

# Recommendations

Based on Feedback & Input Provided by Public Works, FAPS, CPUH, GFD, Design Criteria, & Project Goals

#1 : 5' Sidewalk on South & Maintaining Existing On-Street Parking = \$43,000



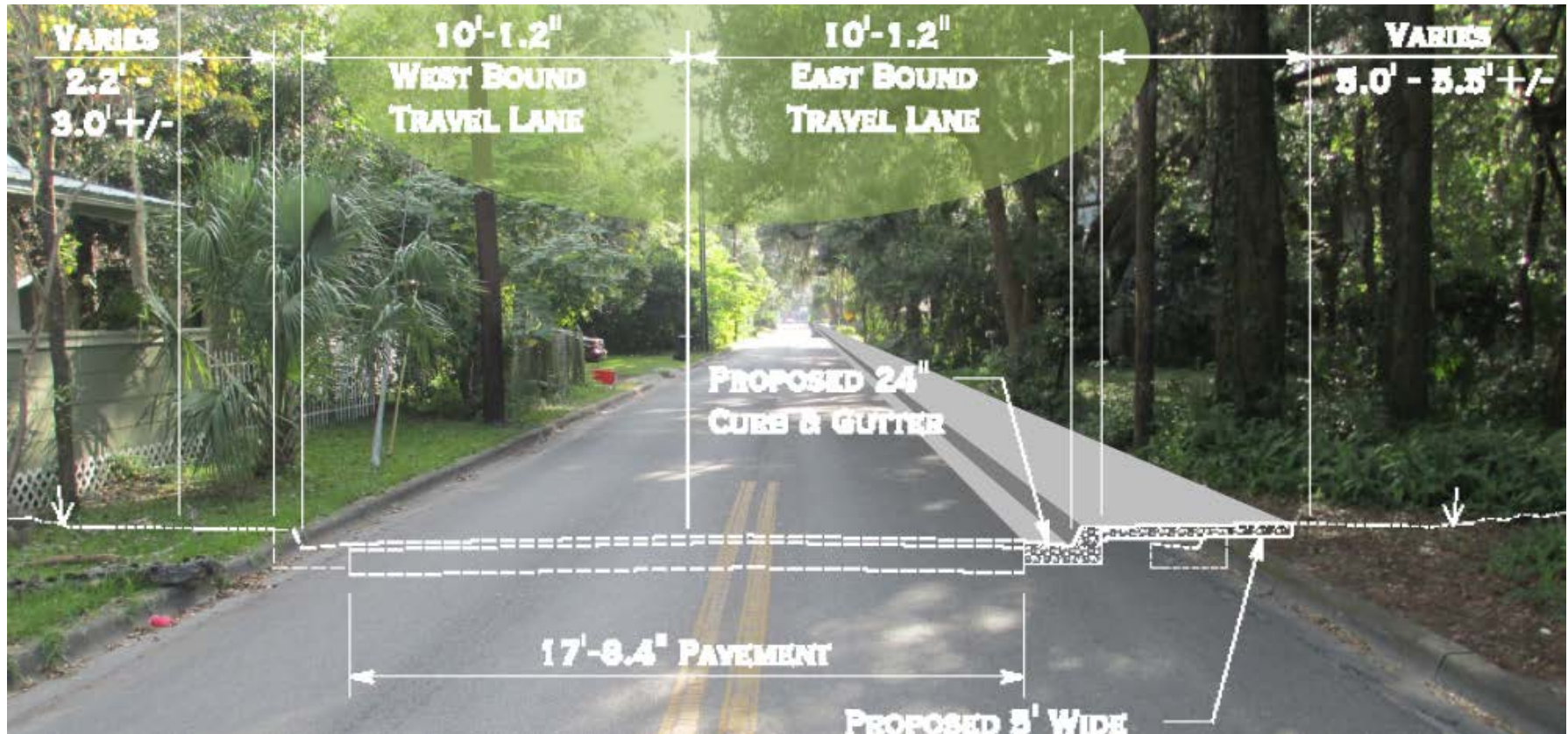
NW 3<sup>rd</sup> Ave. from NW 13<sup>rd</sup> Ave. to NW 12<sup>th</sup> St.



# Recommendations

Based on Feedback & Input Provided by Public Works, FAPS, CPUH, GFD, Design Criteria, & Project Goals

#2 : 5' Sidewalk on South = \$108,000

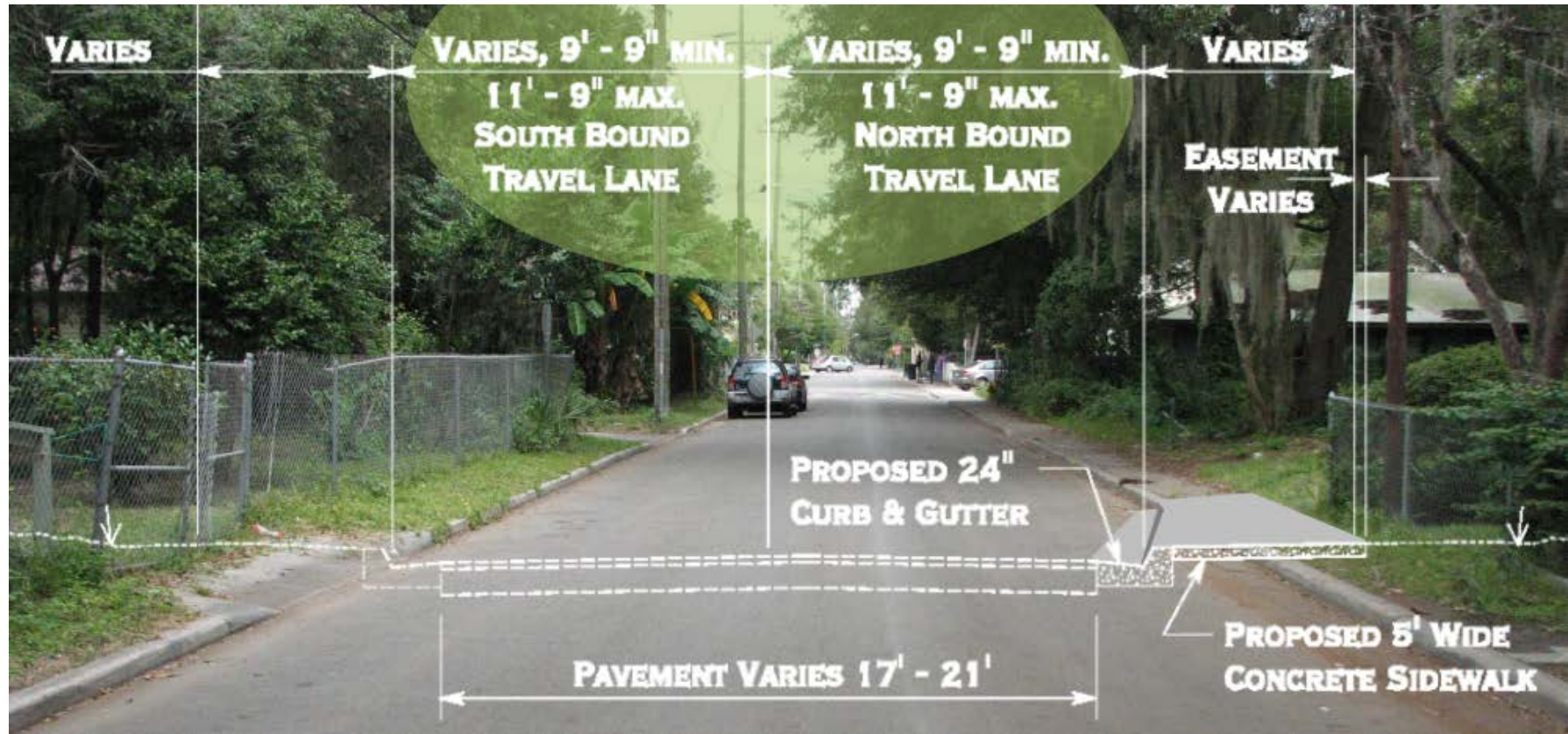


NW 3<sup>rd</sup> Ave. from NW 10<sup>th</sup> St. to NW 6<sup>th</sup> St.

# Recommendations

Based on Feedback & Input Provided by Public Works, FAPS, CPUH, GFD, Design Criteria, & Project Goals

#3 : 5' Sidewalk on East = \$11,000



NW 8<sup>th</sup> St. from NW 3<sup>rd</sup> Ave. to NW 4<sup>th</sup> St.



# Recommendations

Segment A - NW 13th St./12th Dr. to NW 12th St.			Segment B - NW 10th St. to NW 6th St.			Segment C - NW 8th Street		
Typical Section	Sidewalk Description	Estimated Construction Cost	Typical Section	Sidewalk Description	Estimated Construction Cost	Typical Section	Sidewalk Description	Estimated Construction Cost
TS-A1	6 ft. North Side w/Easement	\$16,763	TS-B1	5 ft. North Side	\$101,910	TS-C1	5 ft. East Side	\$10,587
TS-A2	5 ft. North Side w/Easement	\$14,396	TS-B2	5 ft. South Side	\$107,736	Estimated Construction Cost Range		
TS-A3	6 ft. North Side w/Loss of Parking	\$24,658	TS-B3	6 ft. North Side	\$121,832	Low End	\$126,893	
*TS-A4	6 ft. South Side w/Loss of Parking	\$47,003	TS-B4	6 ft. South Side	\$113,565	High End	\$179,422	
TS-A5	5 ft. North Side w/Narrow Lanes	\$22,599				Estimated Total Project Cost Range		
*TS-A6	5 ft. South Side w/Narrow Lanes	\$42,998				Low End	\$144,393	
						High End	\$196,922	
**Estimated Engineering Design Cost:					\$17,500.00			

- NW 3rd Ave. \$14,820 = CPUH
- NW 8th St. \$1,289 = FAPS





# Next Steps

1. Request CRA Board Approval
2. Develop Construction & Bid Documents  
(4-month process with multiple INTERNAL and EXTERNAL meetings and presentations. Estimated completion of Construction Documents July 2014)
3. Review submittals at 60%, 90%, and 100% completion
  - ☐ Investigate Traffic Circle Alternatives & Intersection Treatments
  - ☐ Coordinate with Affected Individual Property Owners
4. Coordination with Construction Manager to Facilitate Efficient Construction
5. Return to CRA Board for Construction Funding & Contract Review/Approval

# Recommendations : *CRA Board*

1. Receive presentation from CRA staff and provide input
2. Endorse NW 3rd Ave. Sidewalk Feasibility Study
3. Approve the development of NW 3rd Ave. & NW 8th St.  
Sidewalk Construction & Bid Documents = **\$16,110**