

SR-A1A Proposed Roadway Improvements

Florida Department of Transportation
Palm Beach Transportation Planning Agency

Discussion of Potential Impacts

March 2022



BACKGROUND

- In 2021, the Palm Beach Transportation Planning Authority (TPA) conducted a study of proposed FDOT improvements along SR-A1A
- TPA identified 14 projects between Boca Raton and Riviera Beach where pedestrian and bicycle improvements could be made.
- The FDOT resurfacing project FM #4476631 would allow for the utilization of State funding to improve the bicycle and pedestrian facilities between Lake Avenue and Ibis Way.
- FDOT funding also identified to mark the roadway shoulder as a bike lane between Woodbridge Road and South County Road



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Project	Roadway	From	To	Description	Type	Municipality(ies)	Notes
1001	SR-A1A	Camino Real	Beach Club Way	Reconstruct Boca Raton Inlet Bridge to include bicycle lanes and 10-foot shared use path	Reconstruction	City of Boca Raton	
1002	SR-A1A	Beach Club Way	401 SR-A1A	Widen west side path from 8 feet to 10 feet	Resurfacing +	City of Boca Raton	Within limits of FM # 447661-1
1003	SR-A1A	Palmetto Park Road	300 feet north of Palmetto Park Road	Widen west side path and smooth out the right-angle bend from decorative concrete to asphalt path on the west side	Resurfacing +	City of Boca Raton	Within limits of FM # 447661-1
1004	SR-A1A	2871 N Ocean Blvd (San Remo Club)	Spanish River Blvd	Widen west side path from 6-8 feet to 10 feet	Resurfacing +	City of Boca Raton	Within limits of FM # 447661-1
1005	SR-A1A	Boca Raton/Highland Beach City Limit	Linton Boulevard	Widen paved shoulder to 5 feet and mark as a bicycle lane	Resurfacing	City of Highland Beach/ City of Delray Beach	Within limits of FM # 444477-1
1006	SR-A1A	Boca Raton/Highland Beach City Limit	Linton Boulevard	Widen west side path from 6 feet to 10 feet	Resurfacing +	City of Highland Beach/ City of Delray Beach	Within limits of FM # 444477-1
1007	SR-A1A	Woolbright Road	Sea Lake Drive	Widen paved shoulder to 5 feet and mark as a bicycle lane; may require minor curb modifications in some areas	Resurfacing +	Town of Ocean Ridge	
1008	SR-A1A	Sea Lake Drive	Boynton Inlet Pier	Reconstruct Boynton Inlet Bridge to include bicycle lanes and 10-foot shared use path	Reconstruction	Town of Ocean Ridge/ Town of Manalapan	
1009	SR-A1A	Lake Avenue	Sloan's Curve	Widen paved shoulder to 5 feet and mark as a bicycle lane	Resurfacing	Town of Palm Beach	Within limits of FM # 447663-1
1010	SR-A1A	Lake Avenue	Sloan's Curve	Widen west side path from 6 feet to 10 feet	Resurfacing +	Town of Palm Beach	Within limits of FM # 447663-1
1011	SR-A1A	Woodbridge Road	S County Road	Mark shoulder as bicycle lane; may require minor widening in some areas	Resurfacing +	Town of Palm Beach	
1012	SR-A1A	US-1/Quadrille	N Olive Avenue	Trim curb extensions and restripe to provide marked bicycle lane	Resurfacing +	City of West Palm Beach	
1013	SR-A1A	US-1/Broadway	Lake Shore Drive	Resurface/restripe to include bicycle lanes; may require design variation for inside lane width	Resurfacing	City of Riviera Beach	
1014	SR-A1A	Lake Drive	N Ocean Avenue	Resurface/restripe to include separated bicycle lanes; would require restriping of underutilized EB parking lane (WB parking lane already signed as no parking zone)	Resurfacing	City of Riviera Beach	

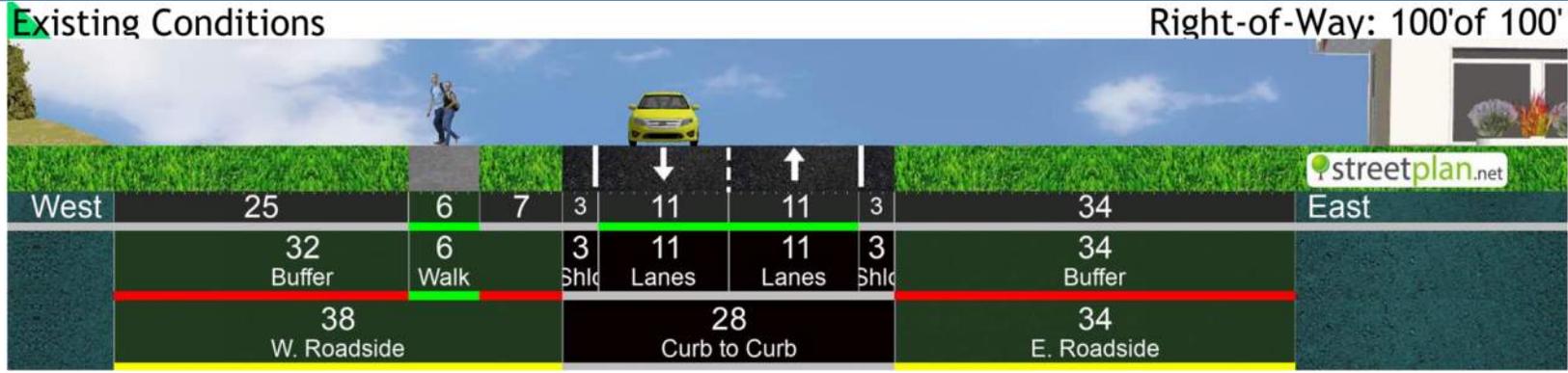
Type description notes:

Reconstruction = implementation would require significant roadway/bridge reconstruction

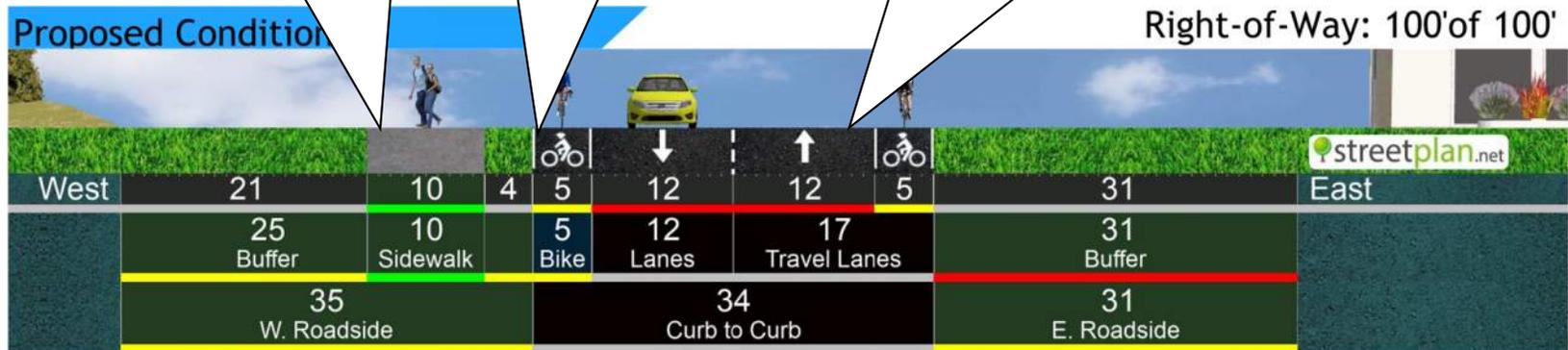
Resurfacing + = implementation scope would require additional scope and budget beyond a conventional resurfacing project

Resurfacing = implementation could be accomplished in a conventional resurfacing project

Proposed Improvements for Bicycles and Pedestrians

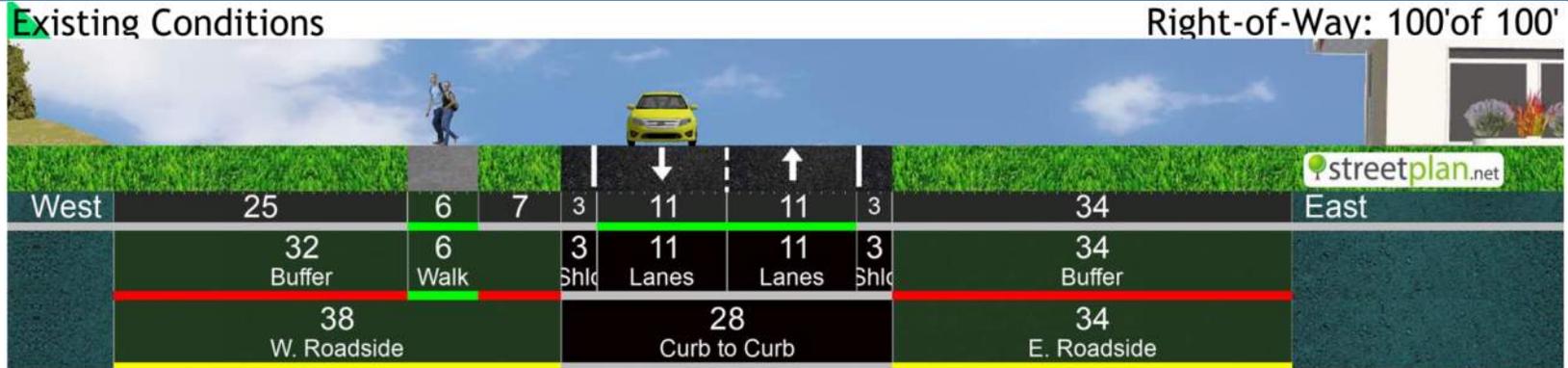


WIDER PATH (+4 FT) BIKE LANES (+2 FT) WIDER TRAFFIC LANES (+1 FT)



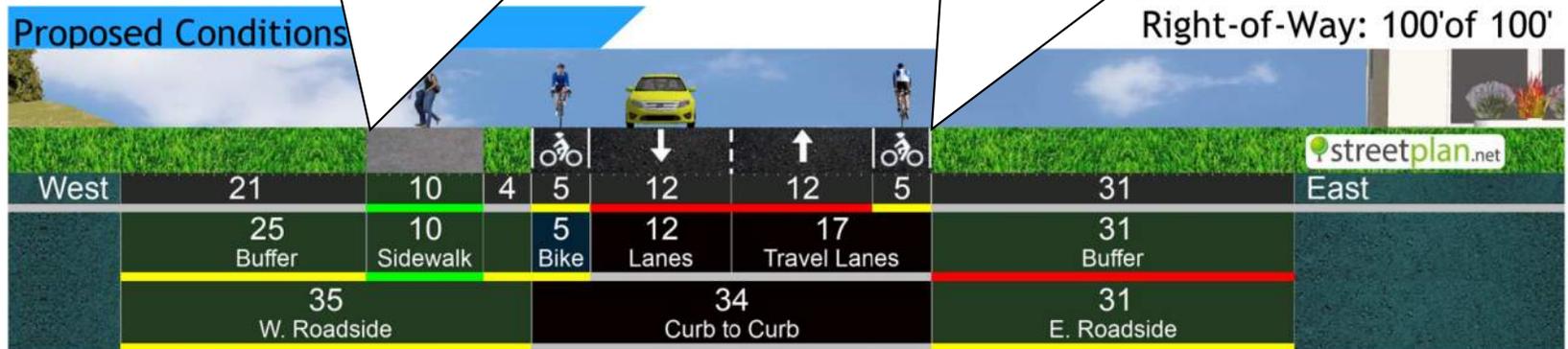
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Proposed Improvements for Bicycles and Pedestrians



WEST – EXPAND EDGE OF PATH BY 4 FT

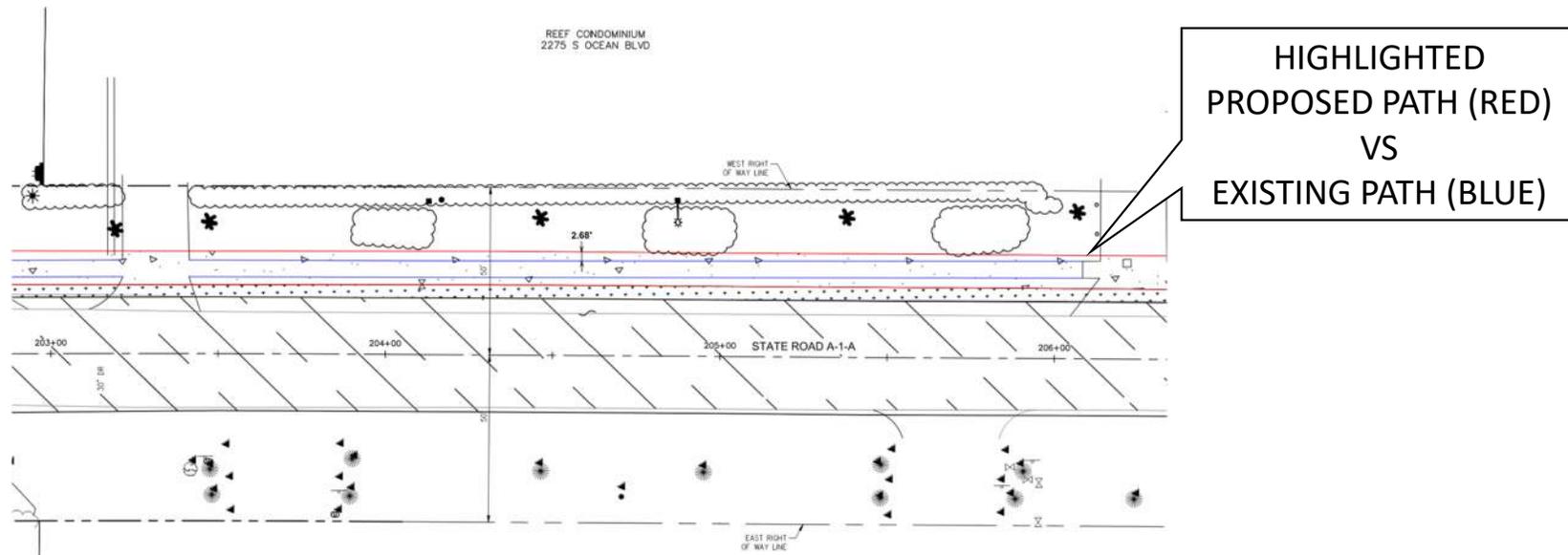
EAST - INCREASE PAVEMENT BY 3 FT



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Analysis of Potential Impacts

- Prepared a CAD drawing of proposed pavement compared to existing features (Utility Undergrounding Survey)



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Analysis of Potential Impacts

- Compared featured on CAD plan with field measurements



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Potential Impacts – Landscaping

West Side of SR A1A:

- Flower beds at 2760 South Ocean Blvd
- Minimally maintained shrubs, trees, and brush in under-developed sections



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Potential Impacts – Landscaping

East Side of SR A1A:

- Hedge at 2500 South Ocean Blvd
- Seagrape at 2770 South Ocean Blvd
- Flower beds at 2780 South Ocean Blvd



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Potential Impacts – Specialty Driveways

Items that would require specialty restoration:

- Paver driveway at 2300 South Ocean Blvd
- Paver driveway at 2660 South Ocean Blvd
- Paver driveway at 2760 South Ocean Blvd



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Potential Impacts – Specialty Signage

Items that would require specialty relocation:

- Lighted sign at 2773 South Ocean Blvd
- Lighted sign at 2860 South Ocean Blvd



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Potential Impacts – Utilities, Drainage, Irrigation

General items that would require FDOT/FPL/WPB/Other retrofit:

- Drainage inlets
- Water meters
- Electrical pullboxes
- Communication panels
- Irrigation equipment
- Low voltage lighting equipment



None of the new light poles are affected



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Findings of Additional Investigation

- The predominant impacts are to three types of features:
 - Low value landscaping that can be relocated or replaced by FDOT
 - Infrastructure owned by other utilities or entities that FDOT will accommodate through coordinated relocation or retrofit
 - Specialty improvements (pavers, minor lighting, minor signage, irrigation) that will require relocation as coordinated by FDOT



Additional Considerations

- The proposed improvements to the bicycle lanes and pedestrian path cannot be continued to the north of Ibis Way without more significant impacts on the west side of the right-of-way.
- The increase in pavement may necessitate additional drainage improvements by the FDOT (more inlets due to more runoff)



QUESTIONS



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