



Hillsborough MPO

Metropolitan Planning for Transportation

Board & Committee Agenda Item

Agenda Item

Long Range Transportation Plan Amendment – I-275 Operational Improvements & Howard Frankland Bridge Project

Presenter

Rich Clarendon, MPO staff

Summary

To alleviate recurring congestion at the north end of the Howard Frankland Bridge, the Florida Department of Transportation (FDOT) has proposed 1) operational improvements to add general use lanes in the Westshore area and 2) adding express lane transitions (ramps) coming on and off the bridge.

FDOT has the funding to make the operational improvements as early as 2019, and expects to have funding to build the express lane transitions as part of the bridge project in 2020-2024. The effect would be to add a general use lane in each direction, and ramps to/from two express lanes in each direction on the bridge. The attached diagrams illustrate these two projects.

The proposed projects can be built within the existing footprint of I-275 and will not require additional right-of-way.

Since the MPO's *Imagine 2040 Long Range Transportation Plan* (LRTP) does not identify the express lane ramps, it needs to be amended to add them. Attached is the page from the LRTP showing the proposed amendment in strike-through and underline format.

The amendment must be approved by the MPO at an advertised public hearing, scheduled to be held as part of the MPO board meeting at 9:00 AM on February 6, 2018.

Recommended Action

Approval of the proposed LRTP amendment.

Prepared By

Rich Clarendon, AICP

Attachments

- Westshore Area Lane Additions and Transitions Diagram
- Howard Frankland Bridge Illustrations
- Page from *Imagine 2040 LRTP* showing proposed additions.





THE FUTURE OF TRANSPORTATION

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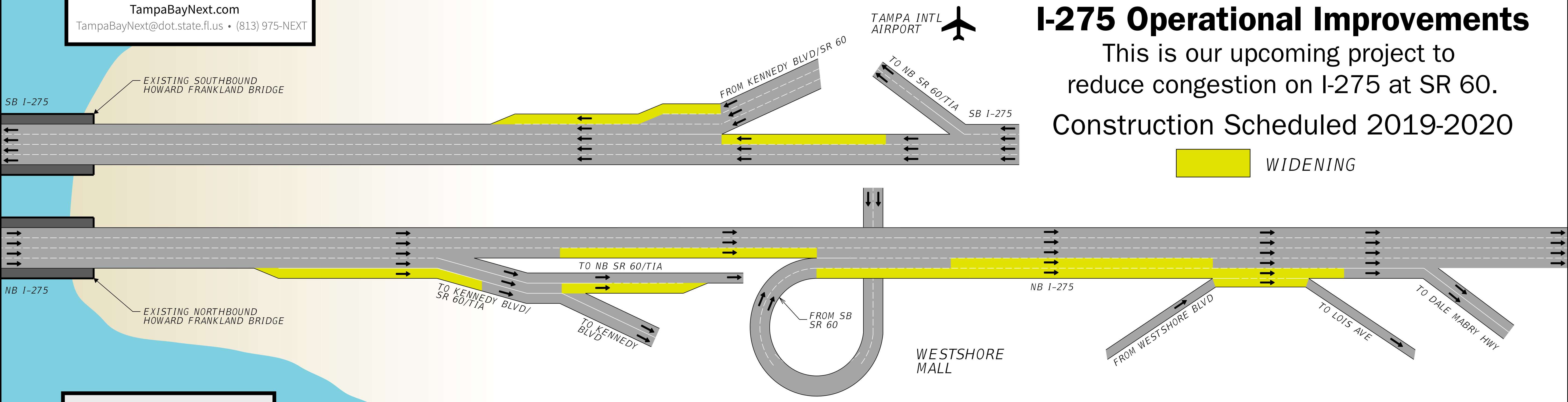
Westshore Area Lane Additions and Transitions

I-275 Operational Improvements

This is our upcoming project to reduce congestion on I-275 at SR 60.

Construction Scheduled 2019-2020

WIDENING



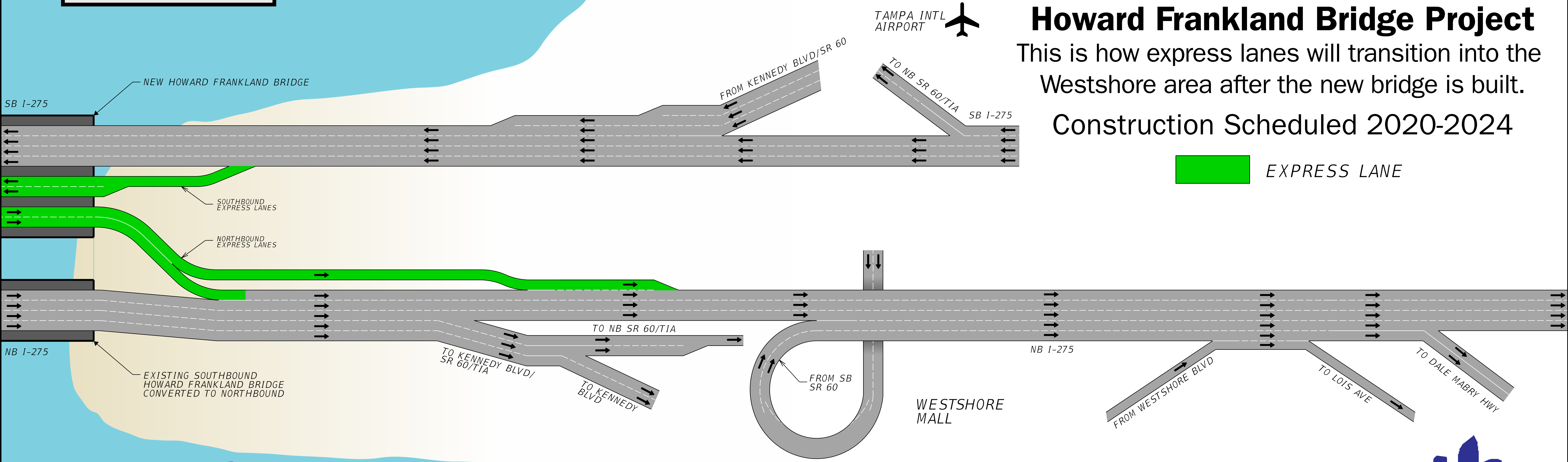
NOT TO SCALE

Howard Frankland Bridge Project

This is how express lanes will transition into the Westshore area after the new bridge is built.

Construction Scheduled 2020-2024

EXPRESS LANE



← TO ST. PETERSBURG

TO DOWNTOWN TAMPA →

Howard Frankland Bridge

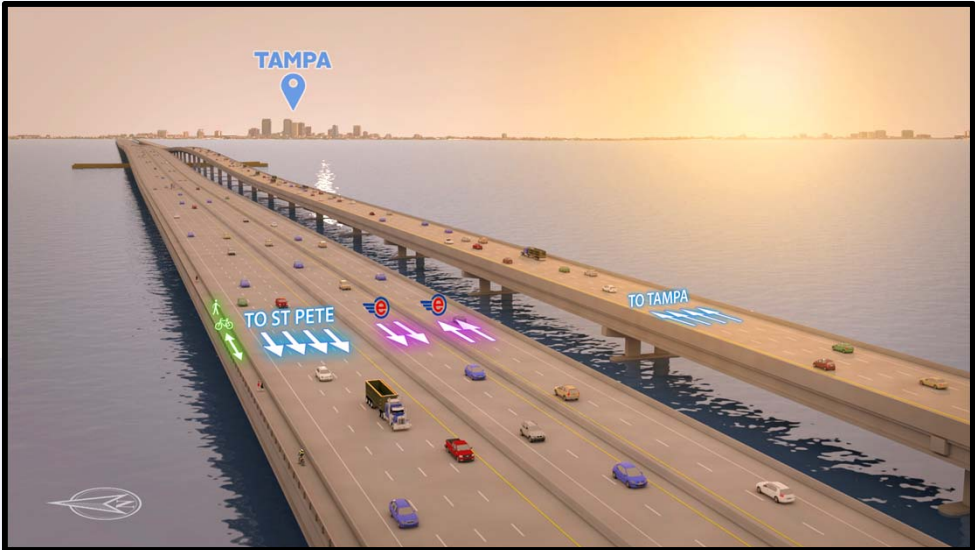
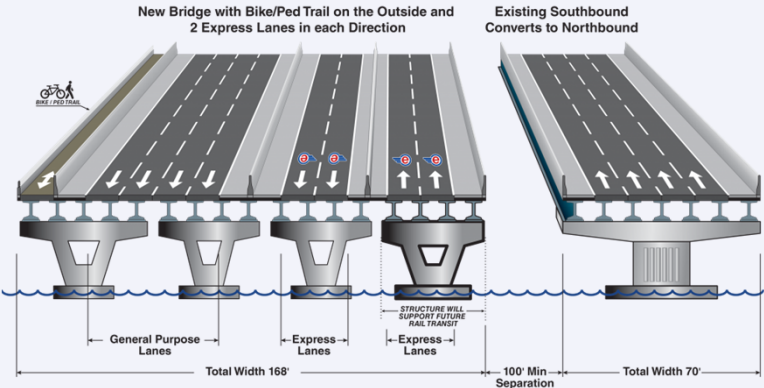
In 2020, FDOT plans to rebuild the existing northbound bridge, which was originally constructed in 1960. The new bridge will:

- ▶ Improve incident management
- ▶ Improve Express Bus Service
- ▶ Better accommodate the possibility of future transit
- ▶ Better prepare for Autonomous Vehicles
- ▶ Anticipate Future Demand
- ▶ Cost Effective
- ▶ Bike/Ped Facility



Howard Frankland Bridge Updated Design

Howard Frankland Bridge
 This is what we are proposing to build in 2020.



Howard Frankland Bridge
 This is how we would accommodate rail transit in the future.

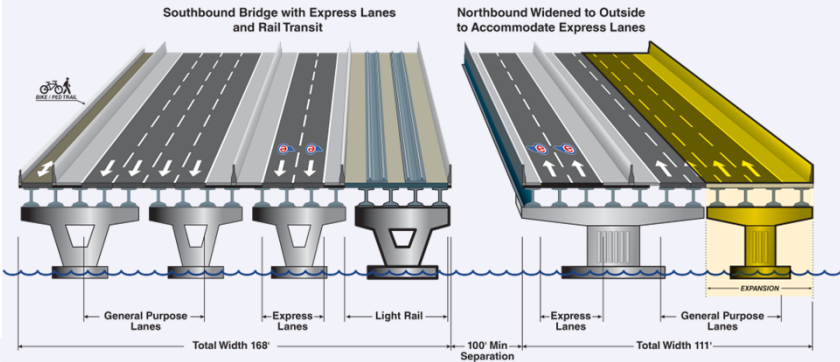


Figure 5-15 Cost Feasible FDOT Strategic Intermodal System Projects

Project ID	Facility	From	To	Existing	2040 Needs	Design Costs (in Millions)		Right Of Way Costs (in Millions)			Construction Costs (in Millions)			Total Cost (in Millions)		Funding Sources
						Present Day Cost	Phase Year of Expenditure Cost	Present Day Cost	Phase Year of Expenditure Cost	Present Day Cost	Phase Year of Expenditure Cost	Present Day Cost	Year of Expenditure Cost			
1003	I-275	S OF LOIS AVE	HILLSBOROUGH RIVER BRIDGE	6F	2 Express Toll Lanes		2020 \$3.23				2021 - 2025 \$137.67		\$140.90	State: SIS		
1006	I-275	JEFFERSON / ORANGE ST	N OF BEARSS AVE	4F/6F	2 Express Toll Lanes		2021 - 2025 \$3.80				2021 - 2025 \$161.98		\$165.79	State: SIS		
1006	I-275	N OF MLK BLVD	N OF BUSCH BLVD	4F/6F	2 Express Toll Lanes		2026 - 2030 \$14.47		2026 - 2030 \$1.59		2026 - 2030 \$81.43		\$97.49	State: SIS		
1005	I-275 @ I-4	ROME AVE / I-275	MLK / SELMON CONNECTOR	8F	DOWNTOWN INTERCHANGE		TIP \$3.00						\$3.00	State: SIS		
1005	I-275 @ I-4	ROME AVE / I-275	MLK / SELMON CONNECTOR	8F	DOWNTOWN INTERCHANGE		2021 - 2025 \$65.14				2031 - 2040 \$2,113.98		\$2,179.12	Other Funds ¹		
I-275 @ SR 60 Interchange																
1002	I-275	N OF HOWARD FRANKLAND	S OF LOIS AVE SR 60	6F	SR 60 INTERCHANGE <u>BRIDGE TRANSITION</u> 8F + 4 Exp Lanes		TIP \$16.59				2021 - 2025 TIP \$244.89 <u>65.00</u>		\$261.47 <u>65.00</u>	State: SIS		
1093	I-275 / SR 60	CYPRESS STREET BRIDGE	I-275 GENERAL USE LANES		SR 60 INTERCHANGE		\$-		TIP \$35.67				\$35.67	State: SIS		
1093	I-275 NB EXPRESS	N OF HOWARD FRANKLAND	S OF TRASK ST		SR 60 INTERCHANGE		TIP \$7.64				2021 - 2025 \$106.24		\$113.88	State: SIS		
1093	I-275 NB FLYOVER	SR 60 EB	I-275 NB		SR 60 INTERCHANGE		TIP \$3.34				2021 - 2025 \$49.91		\$53.25	State: SIS		
1093	I-275 SB	N OF REO ST	S OF LOIS AVE		SR 60 INTERCHANGE		TIP \$9.17				2021 - 2025 \$131.58		\$140.75	State: SIS		
1093	SR 60	N OF INDEPENDENCE	I-275 AT WESTSHORE		SR 60 INTERCHANGE		TIP \$9.19		2021 - 2025 \$46.00		2021 - 2025 \$138.10		\$193.29	State: SIS		

¹ Includes new or discretionary Federal and/or state funding sources.