

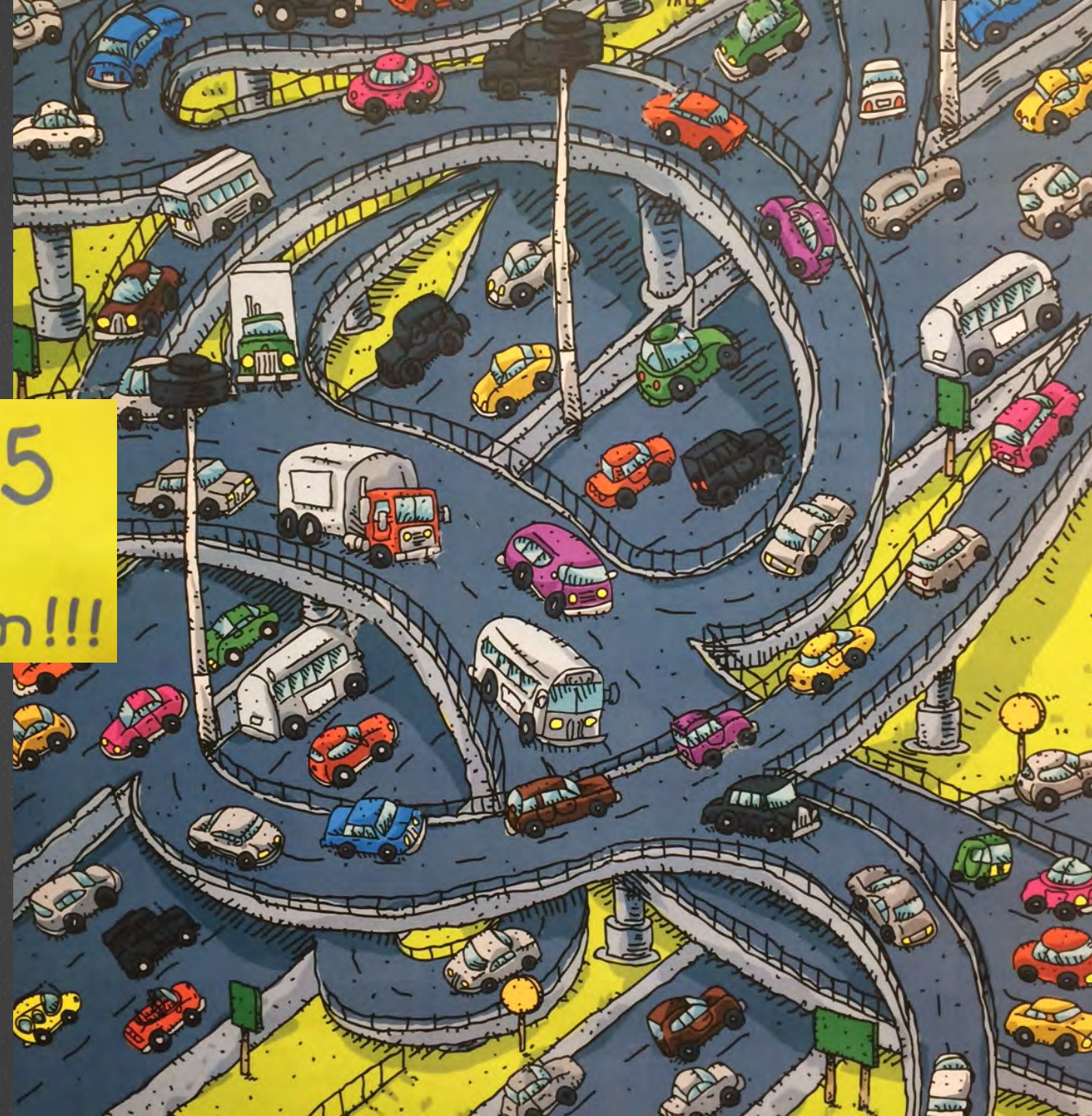


I-75 University Parkway DDI

Sarasota and Manatee Counties



University @ I-75
Shouldn't Be A Problem!!!



Project Facts



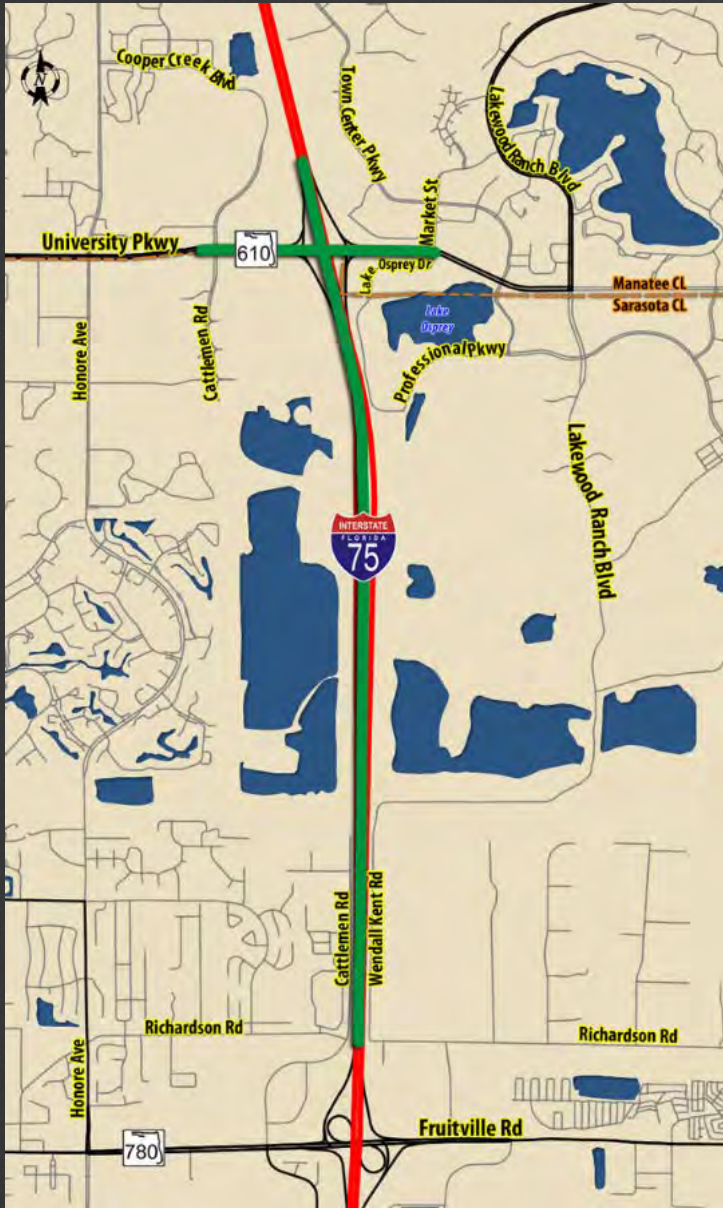
- Start Date: August 3, 2015
- Estimated Completion: Fall 2017
- Construction Cost: \$74.5M
- First in Florida | Largest in the Nation



Project Limits



I-75 from north of Fruitville Road to north of University Parkway – 4.33 miles



University Parkway from Cooper Creek Blvd. to Market Street – 1.09 miles

Why the DDI?



- What criteria is used to determine if an interchange will benefit from the DDI design?
 - Level of delay
 - Cost
 - Right-of-way (if needed)
 - Safety
 - Accommodations for all users/motorists, pedestrians, cyclists

- Why was the I-75/University Parkway interchange selected for the DDI design?
 - High volume of opposing left turns
 - High volume of through traffic

Improvements



- Widening of I-75 to an 8-lane highway with 3 through lanes and 1 auxiliary lane in each direction
- Widening and reconstruction of University Parkway
- Adding sidewalks, bike lanes and pedestrian walkways
- Drainage, lighting and signalization
- Noise wall north of Fruitville Road on west side of I-75: 22 feet high and approximately 5,500 feet long



Benefits of the DDI?



- **Reduces vehicular crashes** at the interchange up to 50%* by decreasing the number of conflict points
- **Reduces interstate delay times** up to 40%*
- **Increases overall capacity** up to 30%*
- **Decreases congestion** and improves traffic flow on I-75 by allowing “interchange to interchange” traffic to utilize the auxiliary lanes
- **Improves safety** for cyclists and pedestrians



*percentages based on study averages of existing DDIs

Project Progress



December 2015

Project Progress



February 2016

Project Progress



April 2016

Project Progress



July 2016

Project Progress



September 2016

Project Progress



November 2016

Project Progress



December 2016

Project Progress



January 2017

Project Progress



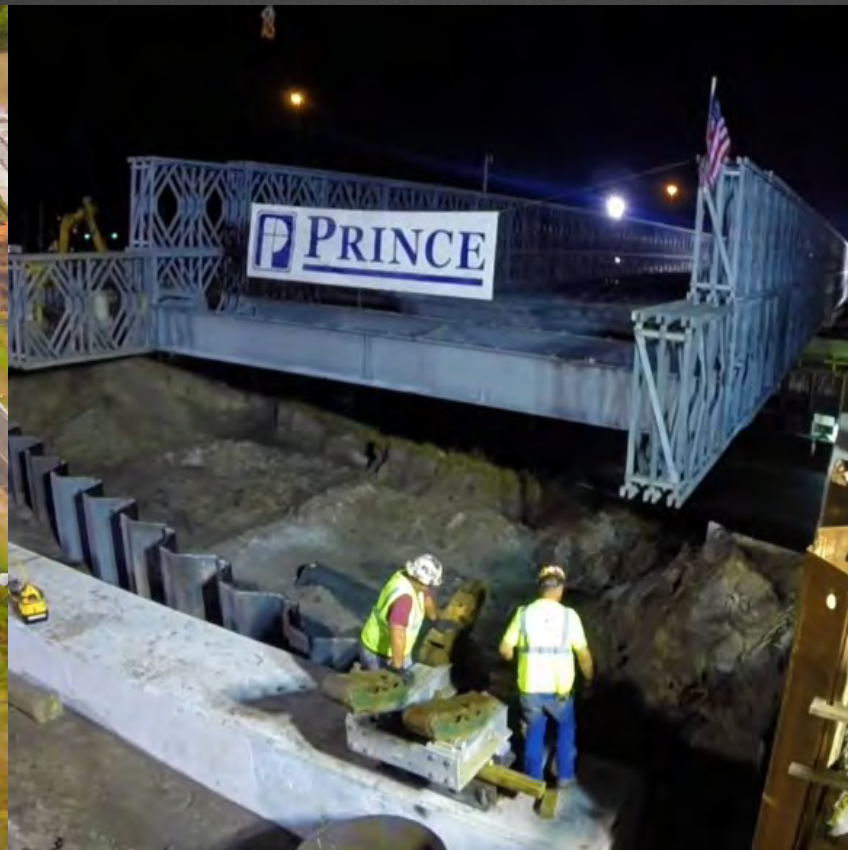
March 2017

Milestones to Date on I-75



- Constructed the detour road on I-75 used to detour traffic onto the temporary Acrow Bridge
- Launched the Acrow Bridge over University Parkway
- Demolished the existing southbound I-75 bridge

COMPLETE



Milestones to Date on I-75



■ Constructed the new southbound I-75 bridge over University Parkway



Milestones to Date on I-75



- Shifted northbound I-75 traffic onto the temporary Acrow Bridge
- Demolished the existing northbound I-75 bridge

COMPLETE



Milestones to Date on I-75



- Completed the inside widening on I-75
- Added one travel lane and one auxiliary lane

COMPLETE



Milestones to Date on I-75



Construction of Mechanically Stabilized Earth (MSE) Walls

- MSE walls are used to retain earth material
- There are 8 MSE walls, 2 are constructed with steel sheet pile
- The walls are located on the ramps, along I-75, and at the new bridges on I-75 at University Parkway

COMPLETE



Milestones to Date on I-75



- Completed the widening of Foley Creek Bridges
- Added two northbound lanes and one southbound lane

COMPLETE



Milestones to Date on I-75



- Completed the widening of Errie Creek Bridges
- Added one northbound lane and one southbound lane

COMPLETE



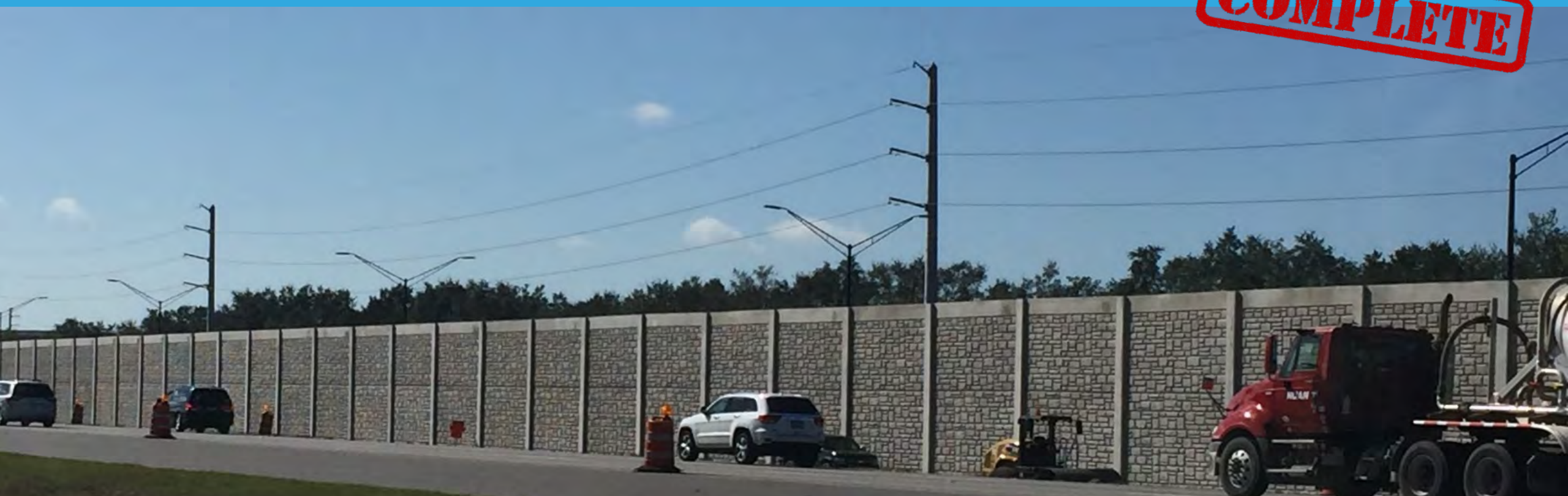
Milestones to Date on I-75



Construction of the Noise Wall

- Installation of the auger cast piles was complete in July
- The noise wall is 22 feet tall and 5,500 feet long with a beige stone texture
- Painting of the noise wall begins mid-April

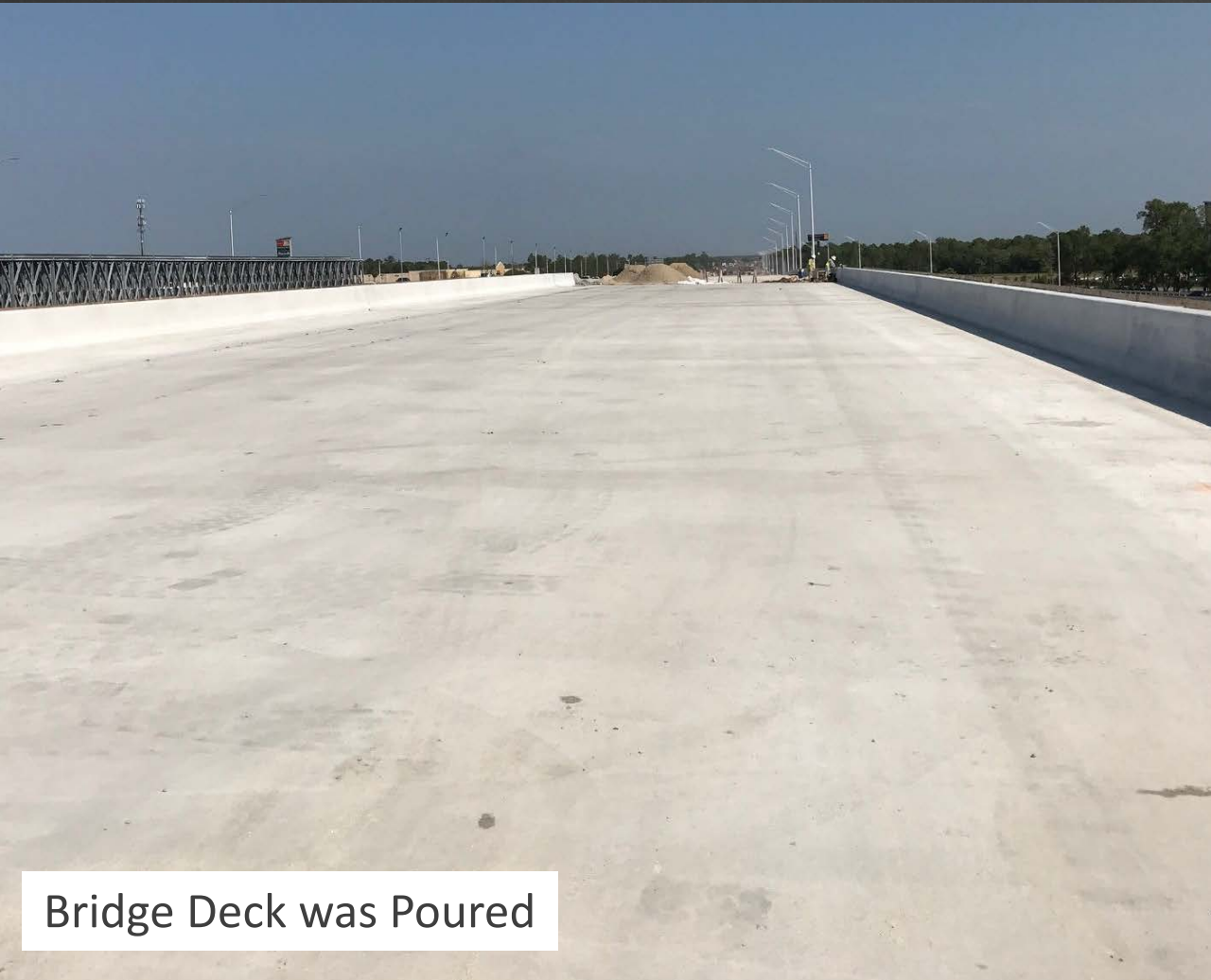
COMPLETE



Ongoing Activities on I-75



- Constructing the northbound I-75 bridge over University Parkway and permanent I-75 roadway



Bridge Deck was Poured



Ongoing Construction of I-75 Approach

Ongoing Activities on I-75



- Nighttime paving operations

**85%
COMPLETE**



Ongoing Activities on I-75



On and Off-Ramps

- Drainage
- Ongoing installation of signals and lighting



Ongoing Activities on I-75



Installing Guardrail

- Total of 12,000 feet of steel guardrail along I-75



Milestones to Date on University Parkway



- Placed temporary base and asphalt for MOT (maintenance of traffic) phasing
- Removed overhead trusses
- Installed temporary signals
- Removed the median

COMPLETE



Milestones to Date on University Parkway



Water Main

- Installed 36" water main – JPA Work
- Jack and bore under I-75

COMPLETE



Cooper Creek Blvd./Cattlemen Road



- Construction of right turn lane onto Cooper Creek Boulevard
- Installing permanent traffic signals
- Installing concrete sidewalk and curb & gutter



Lake Osprey/Market Street



- Installing permanent traffic signals
- Installing concrete sidewalk and curb & gutter



University Parkway – East of I-75



■ Reconstructing the median east of I-75



University Parkway – East of I-75



■ Reconstructing the median east of I-75



University Parkway – East of I-75



- Reconstructing the median east of I-75



University Parkway – East of I-75



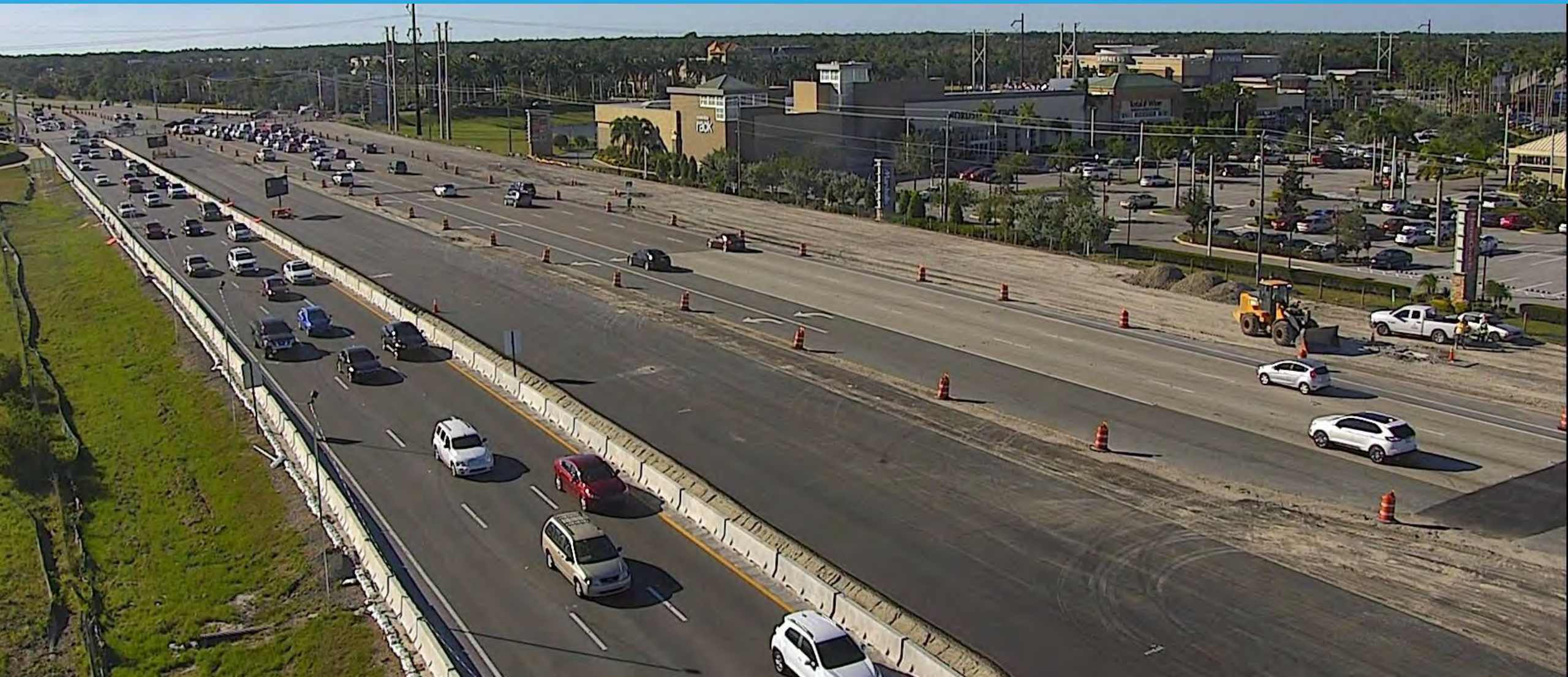
- Reconstructing the median east of I-75



University Parkway – West of I-75



■ Reconstructing the median west of I-75



University Parkway – West of I-75



■ Reconstructing the median west of I-75



University Parkway – West of I-75



■ Reconstructing the median west of I-75



6 Month Look-Ahead



- Complete the northbound I-75 bridge and shift traffic onto the bridge
- Remove the Acrow bridge
- Implement the Diverging Diamond traffic pattern
- Complete installation of permanent signals and lighting
- Complete construction of the sidewalk, curb & gutter
- Complete construction of the center median/pedestrian walkway
- Complete construction of the ponds
- Complete installation of sod
- Install final layer of asphalt

Implement DDI Traffic Pattern



■ June 2017

■ Scheduled at night/overnight to limit traffic impacts

■ Anticipated to take place over the weekend

■ Interchange will be closed temporarily

■ A full detour of the interchange will be implemented

■ Upon opening, there will be five lanes in the diverging pattern in each direction which will include the free flow left turn movements

Stay Informed



Project Website

- www.swflroads.com/i75/university/

Weekly Updates

- Sign up on the project website and receive timely updates on lane closures and construction activities

Instant Text Messages for Major Instances

- Sign up on the project website to receive text message alerts for detours and unexpected lane closures

The screenshot shows the FDOT website for the I-75/University Parkway Diverging Diamond Interchange (DDI) project. The header includes the FDOT logo, the text "Florida Department of TRANSPORTATION", and navigation links for Home, About FDOT, Contact Us, Maps & Data, Offices, Performance, and Projects. A search bar is also present. The main content area features a large aerial photograph of the interchange. To the left of the photo is a sidebar with contact information for the District Office, including the name Billy Hattaway, District One Secretary, and the address 801 N. Broadway Ave., Bartow, Florida 33830. It also lists contact details: Tel: 800-292-3368, Fax: 863-534-7265, and E-Mail Us. Below this is a link for Additional Contacts and a Staff Directory. The main content area is divided into two columns. The left column, titled "Project Resources", lists links for About the Project, Documents & Publications, Email Updates, FAQs, Photos, Public Notices, Schedule, and More... The right column, titled "Welcome", contains a paragraph about the project's start in August 2015 and a list of improvements being made, such as constructing a diverging diamond interchange, adding an auxiliary lane, and widening bridges. Below the "Welcome" section is a "Social Media" section with links for Facebook and Twitter. At the bottom of the page, there is a footer with the text "For additional information on projects throughout Southwest Florida click SWFLRoads.com".

Project Links

- Project Website:

<http://www.swflroads.com/i75/university/>

- Time Lapse Video:

<https://www.youtube.com/watch?v=Xy-12cSRMzI/>

- Interchange Simulation:

<https://www.youtube.com/watch?v=24jMVZszPTY>

- Acrow Bridge Launch:

https://www.youtube.com/watch?v=GaCRkSm_K_c