

# HARBOUR ISLAND COMPLETE STREETS – City Project #1001162

Cal Hardie, P.E., Capital Projects Engineer  
City of Tampa Transportation and Stormwater Services Dept.



- Sign In Sheet/Comment Forms
- Presentation
  - Project Team
  - Resurfacing Information
  - Traffic Calming/Complete Streets Info
- Question and Answers

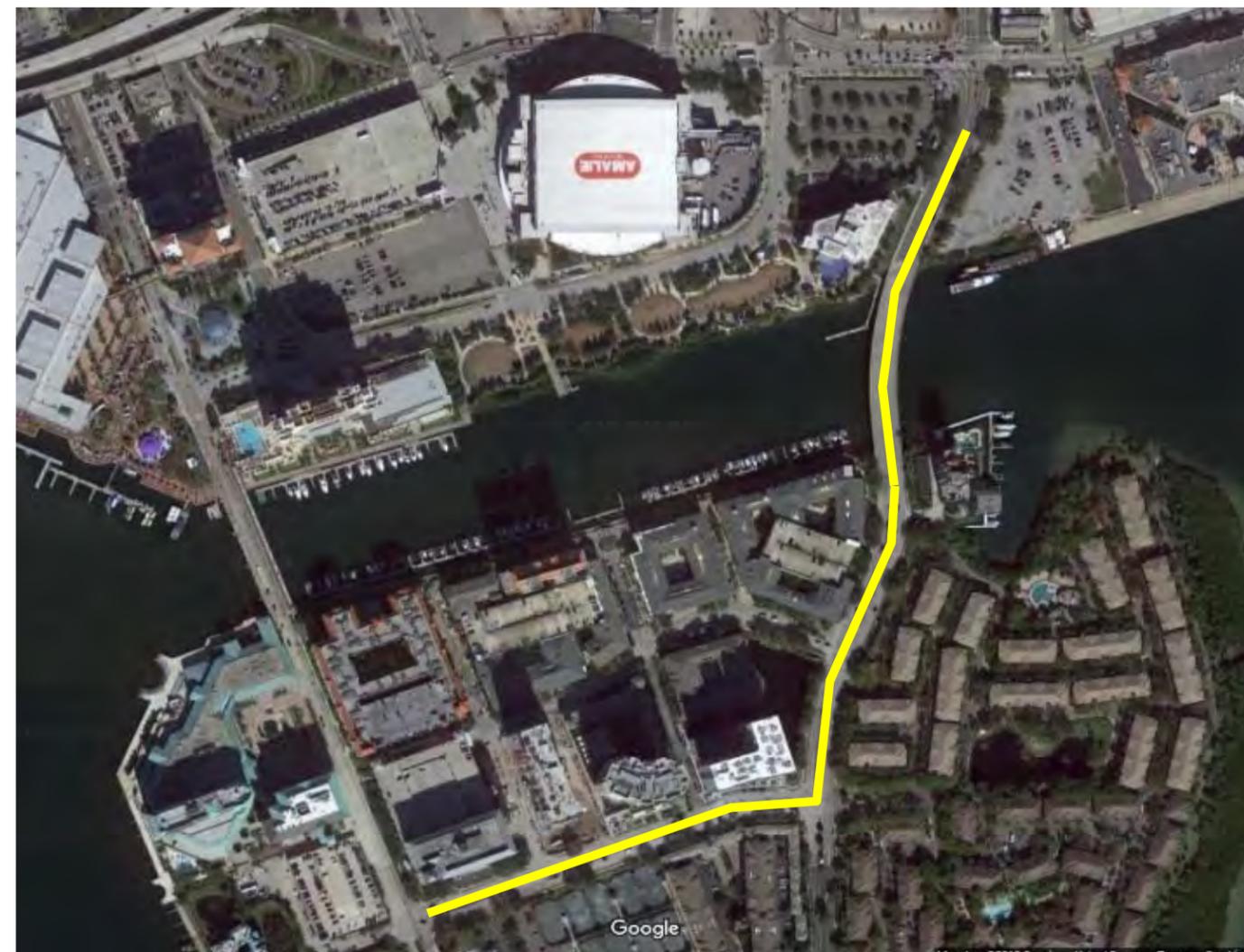


AGENDA

# PROJECT TEAM

## Transportation and Stormwater Services Transportation Division

- Jean Duncan, P.E., Director
- Cal Hardie, P.E., Capital Projects Manager
- Jorge Uy, P.E., City Pavement Management Engineer
- Bernadette Corey, Project Manager



**Knights Run Ave and Beneficial Dr**

# WHAT IS THIS PROJECT?



## What it is...

- Rehabilitates the pavement
- Calms traffic by narrowing lanes and lowering posted limit on Beneficial Dr.
- Provides for multi-modal transportation by installing bike lanes.
- Install multiple raised pedestrian crosswalks to make the area safer for pedestrians.

## What it isn't...

- This is not a project to install sidewalks.
- This is not related to the Wastewater Pipeline project.



# RESURFACING INFORMATION

## Knights Run Ave

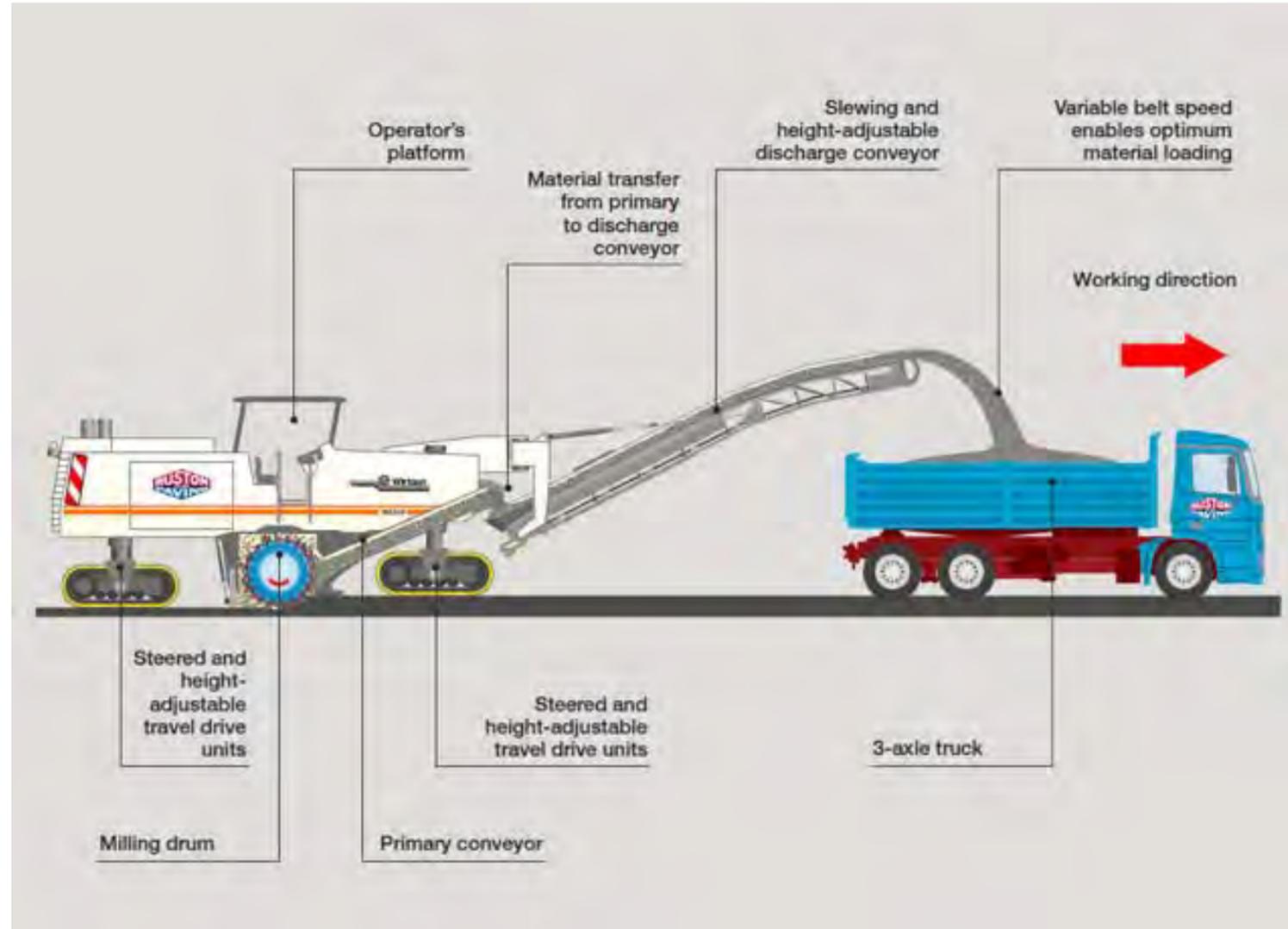


## Beneficial Dr

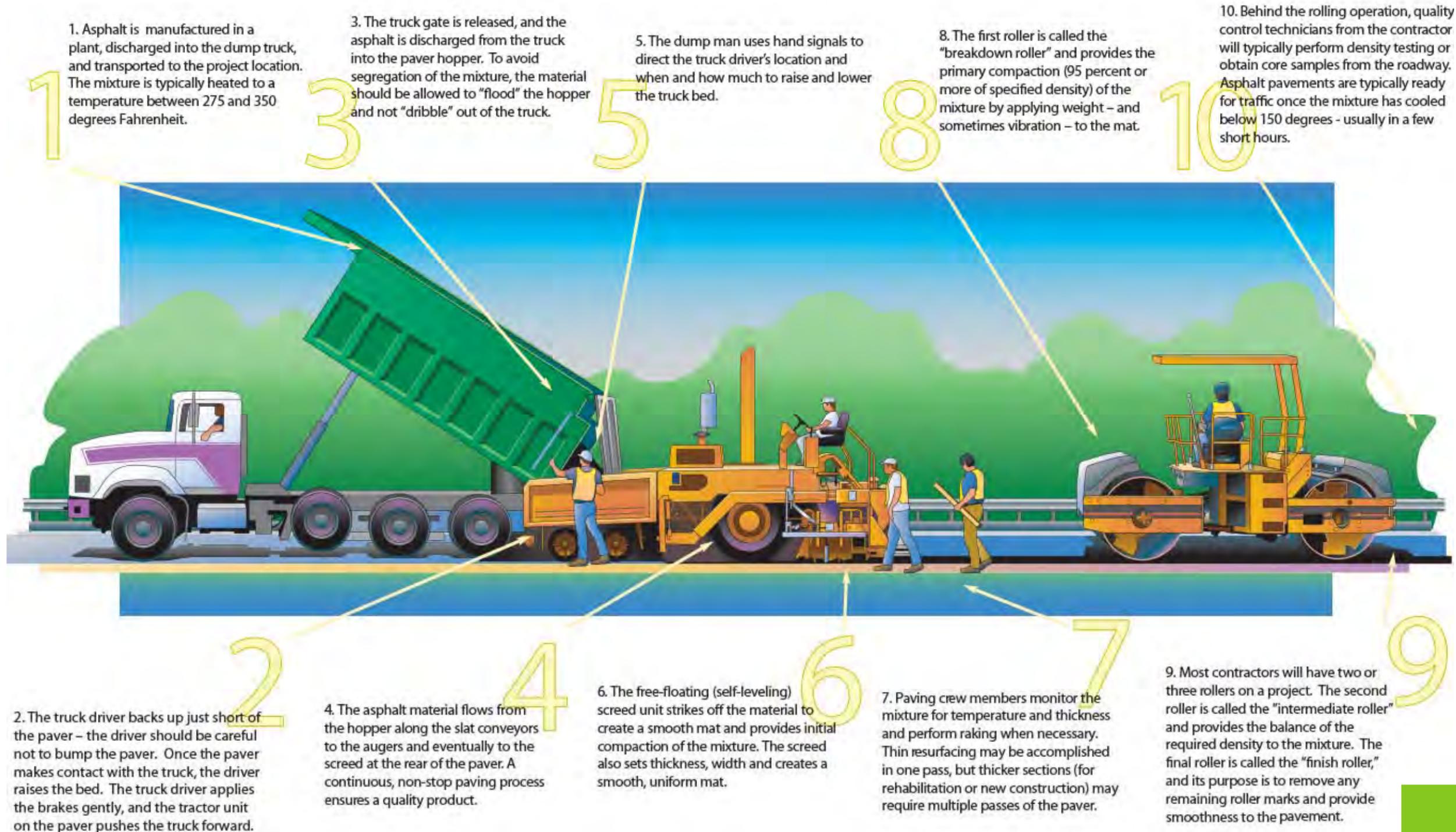


- Traffic Volumes:
  - Beneficial Dr. (2015)= 16,560 AADT
    - (2010)= 5,238
  - Knights Run Ave. (2015)= 10,500-15,389 AADT

# MILLING EQUIPMENT



# “PAVING TRAIN”



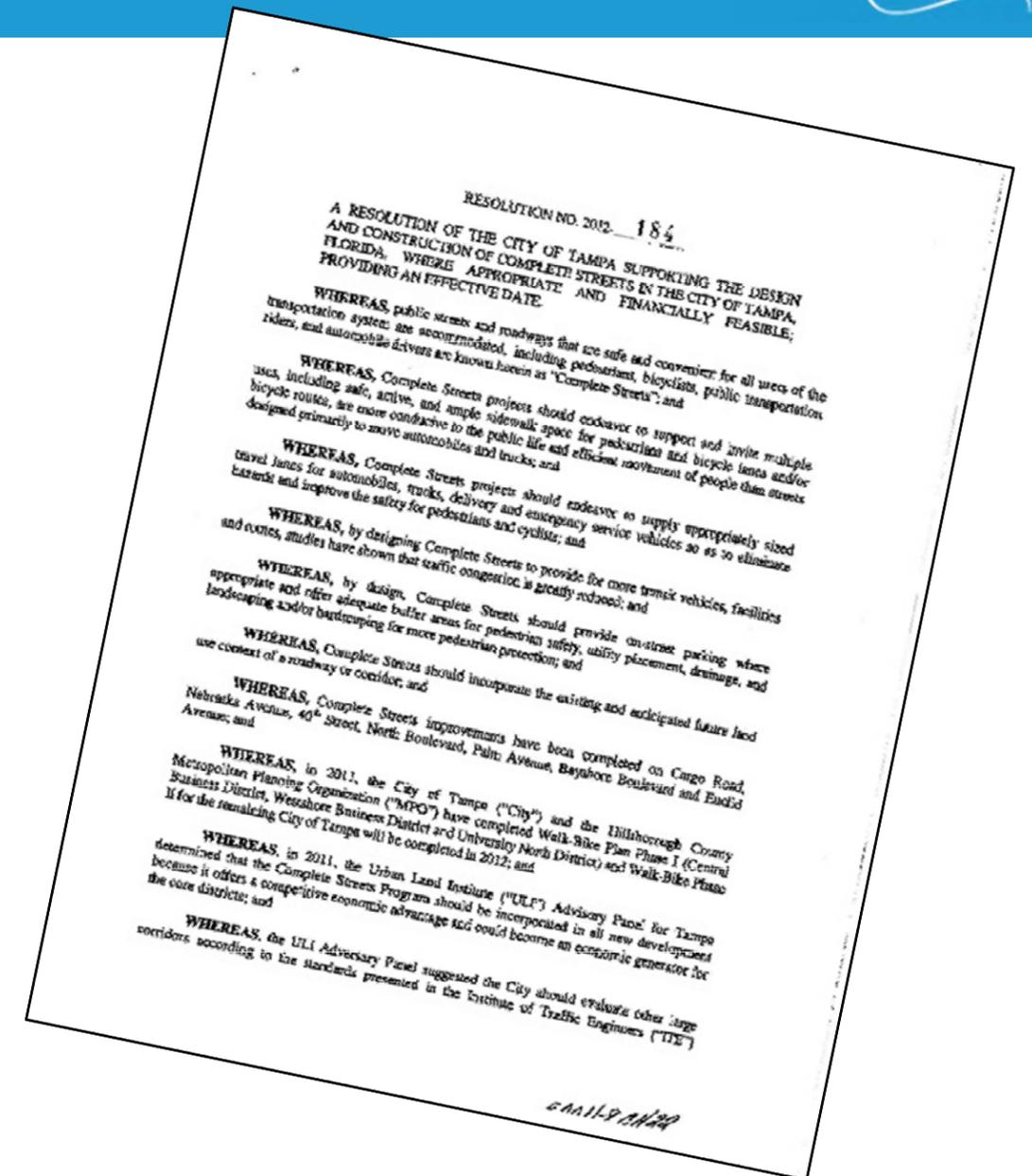


# TRAFFIC CALMING/ COMPLETE STREETS INFORMATION

# COMPLETE STREETS RESOLUTION

## City Reso 2012-184; Section 7:

- That the provisions set forth in this Resolution should be employed where appropriate and financially feasible in all transportation planning, design, review, operations, **major maintenance projects (such as milling and overlay), new construction, and reconstruction projects.**
- City departments including Public Works, **Transportation**, Growth Management and Development Services and Parks and Recreation should consider the provisions of this Resolution as they plan, design and review improvements within the City's rights-of-way.



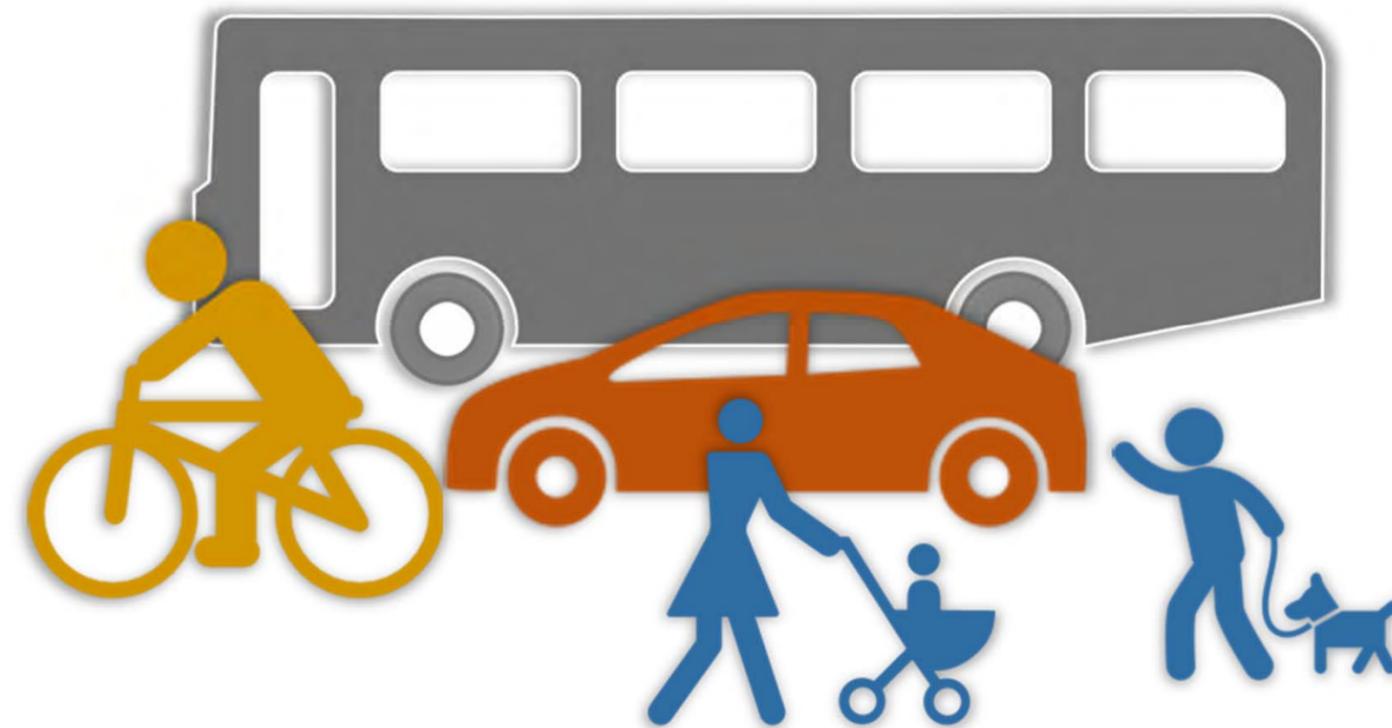
# PROJECT INITIATION

- The City has received many requests to provide traffic calming on the island, improve pedestrian and bike safety.
- Resurfacing was not scheduled for this year. The multimodal features of the design actually justified the resurfacing.



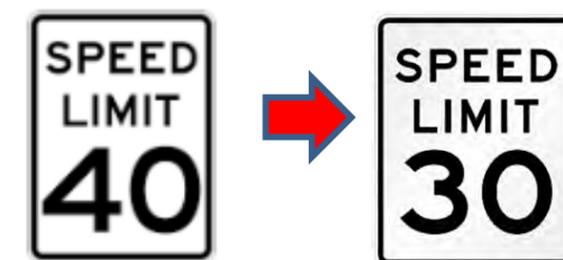
# WHAT ARE COMPLETE STREETS?

Complete Streets are designed so all modes of transportation can share the road safely.



# TRAFFIC CALMING & COMPLETE STREETS

There are many traffic calming tools in the toolbox the City can utilize. This project will focus on raised pedestrian crossings, narrowing travel lanes, lowering posted speed on Beneficial Drive, and installing bike lanes.



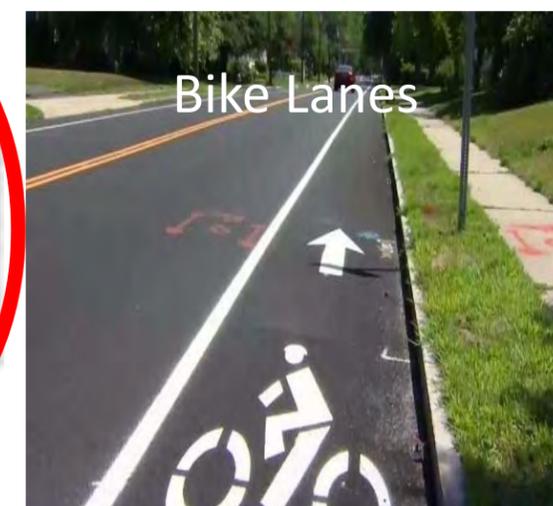
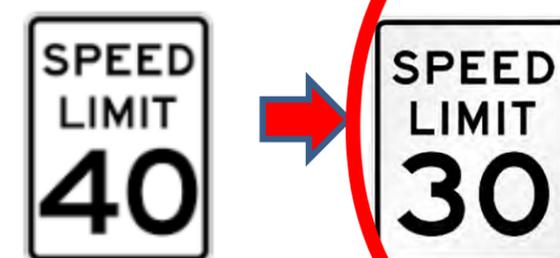
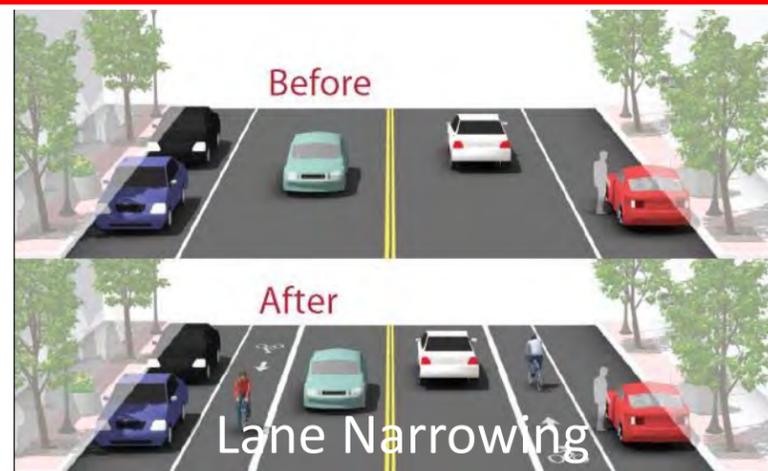
Speed Reduction



# TRAFFIC CALMING & COMPLETE STREETS

There are many traffic calming tools in the toolbox the City can utilize. This project will focus on raised pedestrian crossings, narrowing travel lanes, lowering posted speed on Beneficial Drive and installing bike lanes.

Please note that we were originally stated that we would lowering the speed limit to 35. However, considering that downtown streets are posted at 30, we decided that 30 mph would be more appropriate. This reduction would only delay travel times by <7 seconds total



Both are collector roads in a dense urban center, making them ideal for multimodal transportation.

Benefits of Bike Lanes:

- Provide for multimodal access
- Provides a buffer between pedestrians and vehicles
- Allow for narrower travel lanes
- Justify lower speed limits
- Separate vehicular and bike traffic



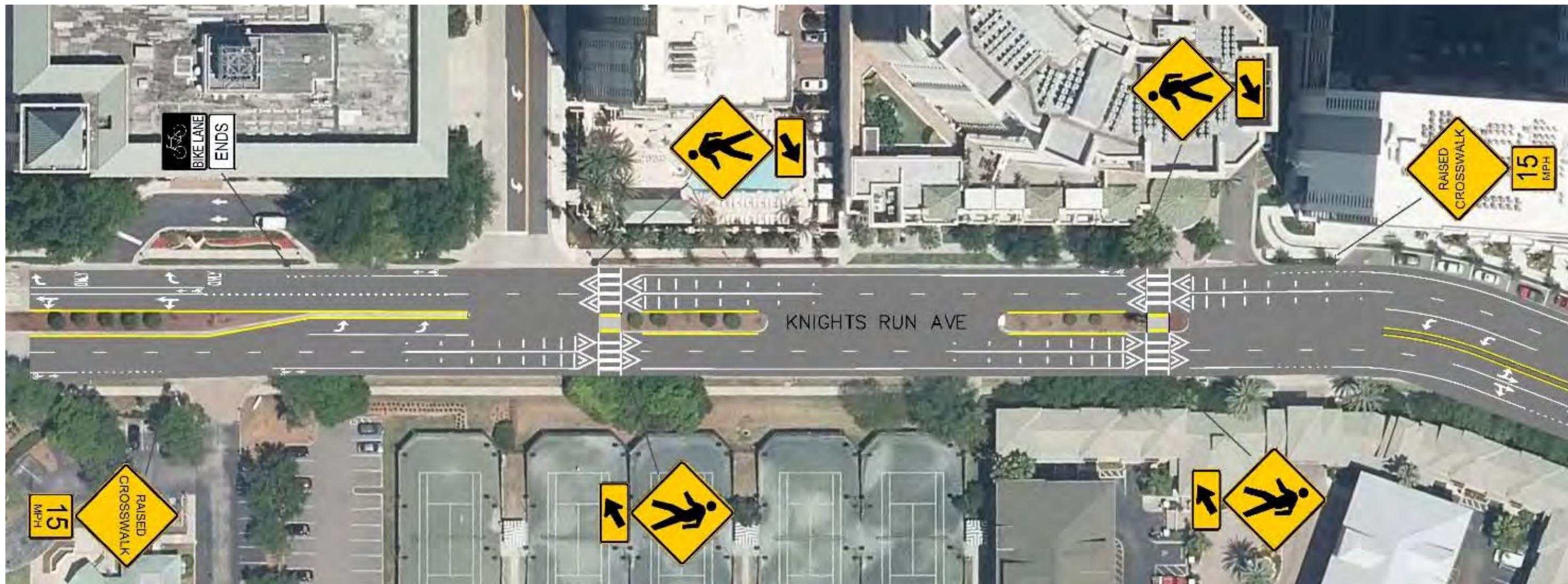
**The Most Missed Question on Traffic Engineering Exams Ever**

# RAISED PEDESTRIAN CROSSWALKS

- The City no longer installs speed humps as a means of traffic calming.
- However, the City does utilize raised pedestrian crosswalks.
- This will be the first location.



# RAISED PEDESTRIAN CROSSWALK LOCATION



- Locations at Channelside Way and Harbour Post Dr.

# RAISED PEDESTRIAN CROSSWALK LOCATION



The City has received a comment to look into a raised pedestrian island in this location as well.

# DESIGN AND CONSTRUCTION SCHEDULE



## Summary of Project Costs and Schedule:

Phase	Firm	Amount	Schedule	
			Start	Finish
Design	In House	N/A	Spring 2018	Winter 2018
Construction	In House	351,089	Spring 2019	Spring 2019

# CONTACT INFORMATION



PLEASE PROVIDE EMAIL ADDRESS TO BE PUT ON  
OUR PROJECT SPECIFIC MAILING LIST

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P: (813) 274-8512

Project Website:

<https://www.tampagov.net/tss-transportation/projects/hicompletestreets>

