

# ROAD PROGRAM

FY 2021-22

## VOLUSIA COUNTY ENGINEERING & CONSTRUCTION

Tadd Kasbeer, P.E.  
County Engineer



# PROJECT TYPES

2



Capacity Projects



Resurfacing Projects

Safety Projects



# ESTIMATED REVENUES

3

## ▣ Local Option Gas Tax collected for capacity improvements (New Nickel):

$$\$5,792,014 \text{ (Projected FY21)} - \$1,013,608 \text{ (Williamson Loan)} = \$4,778,406$$

## ▣ Impact Fees (collected FY19/20):

	<u>Collected</u>	<u>Bond Payment</u>	<u>Net</u>	<u>Balance</u>
Zone 1:	\$ 2,899,480	- \$1,870,037	= \$1,029,443	\$ 2,260,328
Zone 2:	\$ 2,535,788	- \$ 496,335	= \$2,039,453	\$ 3,814,239
Zone 3:	\$ 5,183,281	- \$1,759,731	= \$3,423,550	\$ 5,844,522
Zone 4:	\$ 1,793,504	- \$ 360,971	= \$1,432,533	<u>\$11,245,543</u>
Total:	\$12,412,053	- \$4,487,074	= \$7,924,979	\$23,164,632



# ESTIMATED REVENUES

4

## ▣ Proportionate Fair Share based on executed PFS Agreements through 5/4/21:

### Zone 1:

Funds collected	=	\$8,690,000
Pending	=	<u>\$5,051,000</u>
		\$13,741,000

### Zone 2:

Funds collected	=	\$1,313,000
Pending	=	<u>\$ 695,000</u>
		\$2,008,000

### Zone 3:

Funds collected	=	\$ 241,000
Pending	=	<u>\$ 290,000</u>
		\$ 531,000

### Zone 4:

Funds collected	=	\$1,331,000
Pending	=	<u>\$1,412,000</u>
		\$2,743,000

## ▣ Grants:

Federal (Local Agency Program)	=	\$4,831,000
State (Legislative Appropriation)	=	\$2,500,000

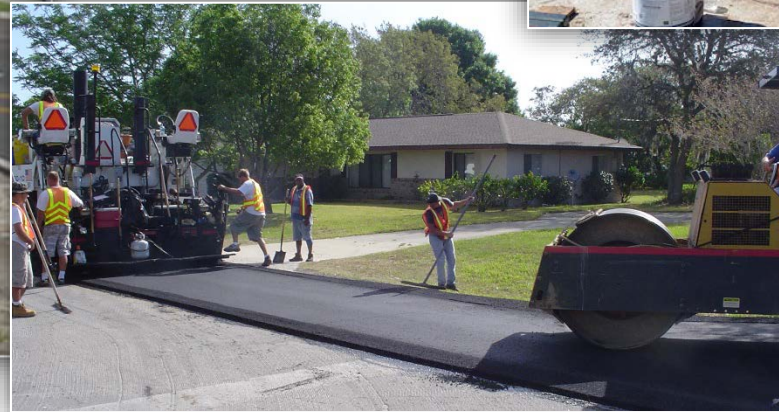
Cost of 1 Mile of 2 lane road: approximately \$4-5 million





# 2021 ROAD PROGRAM

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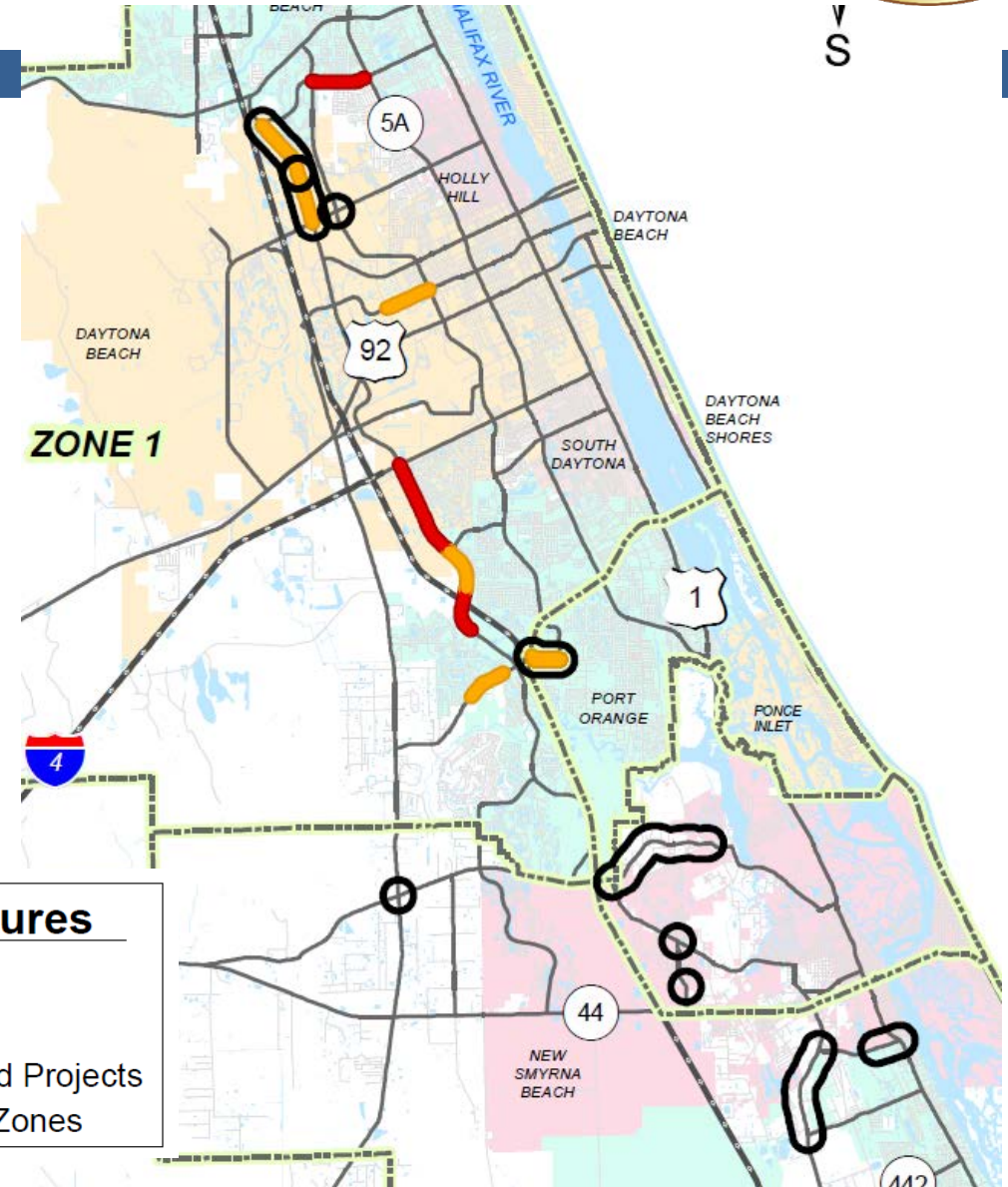
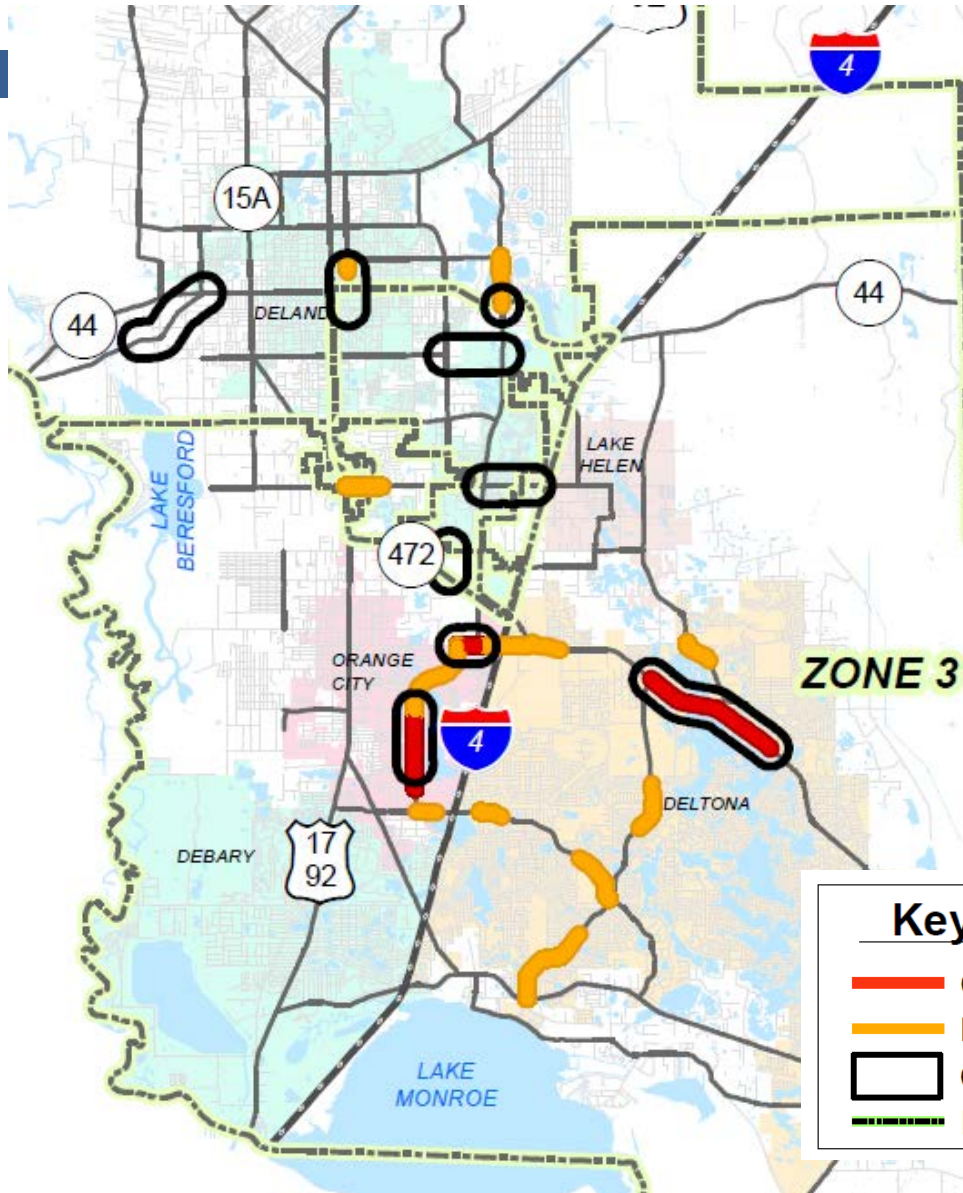


# CRITICAL ROAD SEGMENTS & COUNTY PROJECTS



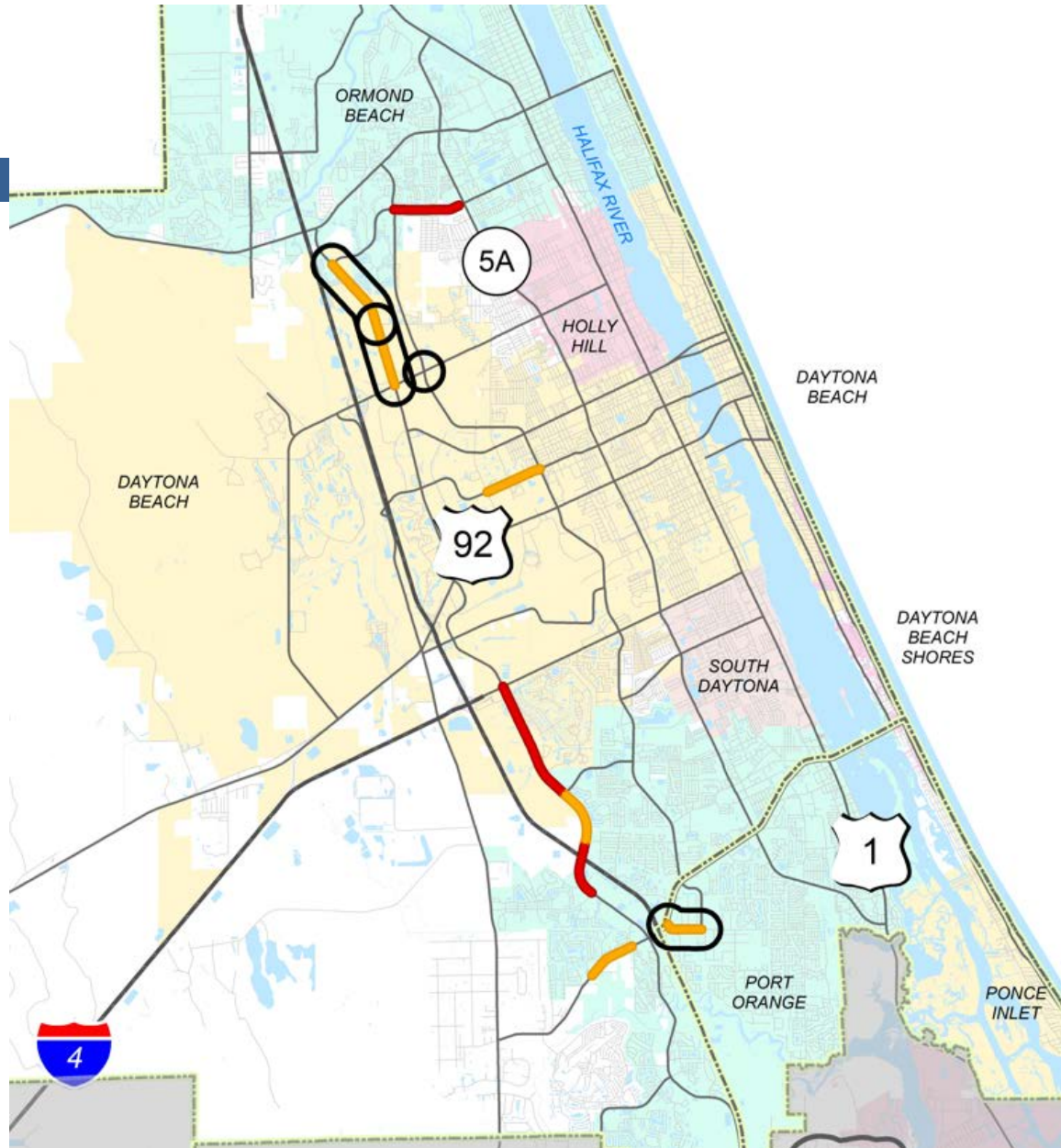
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## Key To Features

- Critical
- Near Critical
- Current Road Projects
- Impact Fee Zones



# ZONE 1

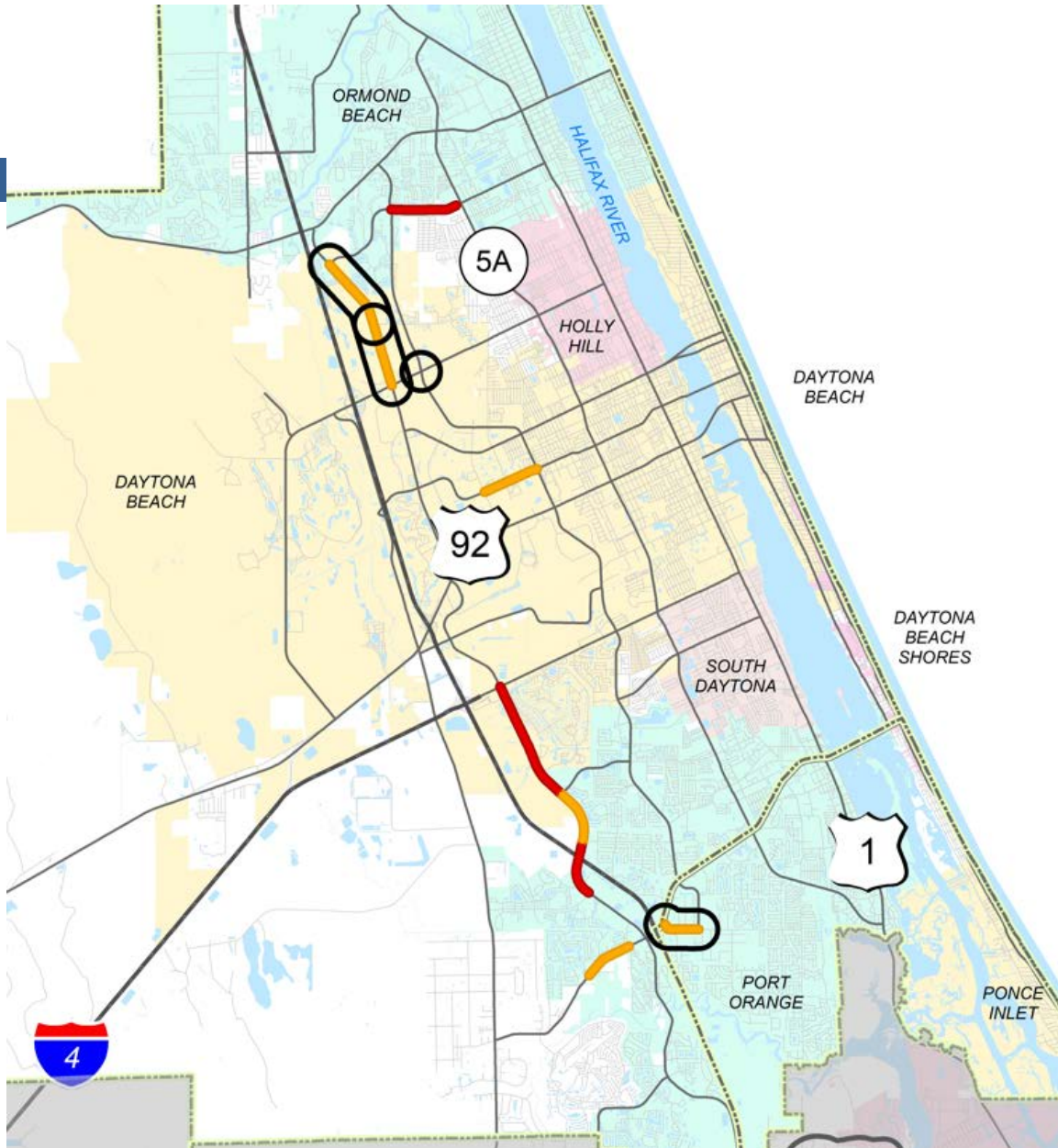


## Daytona Beach

- **Williamson Blvd widening from LPGA Blvd to Strickland Range Rd (COMPLETE)**
- **Williamson Blvd & Strickland Range Rd Intersection Improvements (Design Underway)**
- **Williamson Blvd widening from Strickland Range Rd to Hand Av (Design & ROW Acquisition Underway)**



# ZONE 1



## Daytona Beach

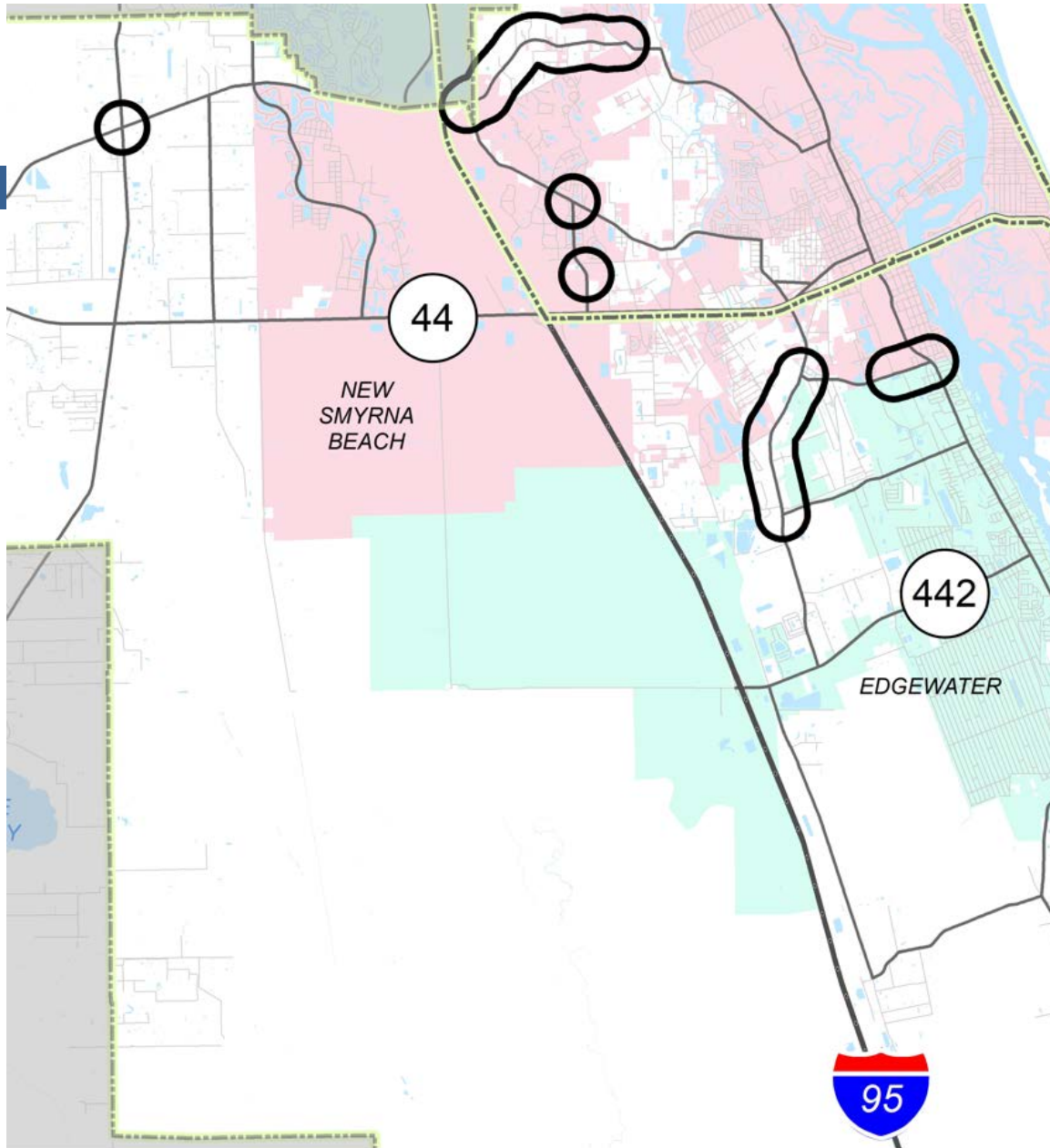
- **LPGA Blvd & Clyde Morris Blvd Intersection Improvements**  
(Design Underway)

## Port Orange

- **Taylor Branch Rd widening from Dunlawton Blvd to Clyde Morris Blvd (incl B-19 bridge) 2 to 4 Lanes Study**  
(Feasibility Study Underway)



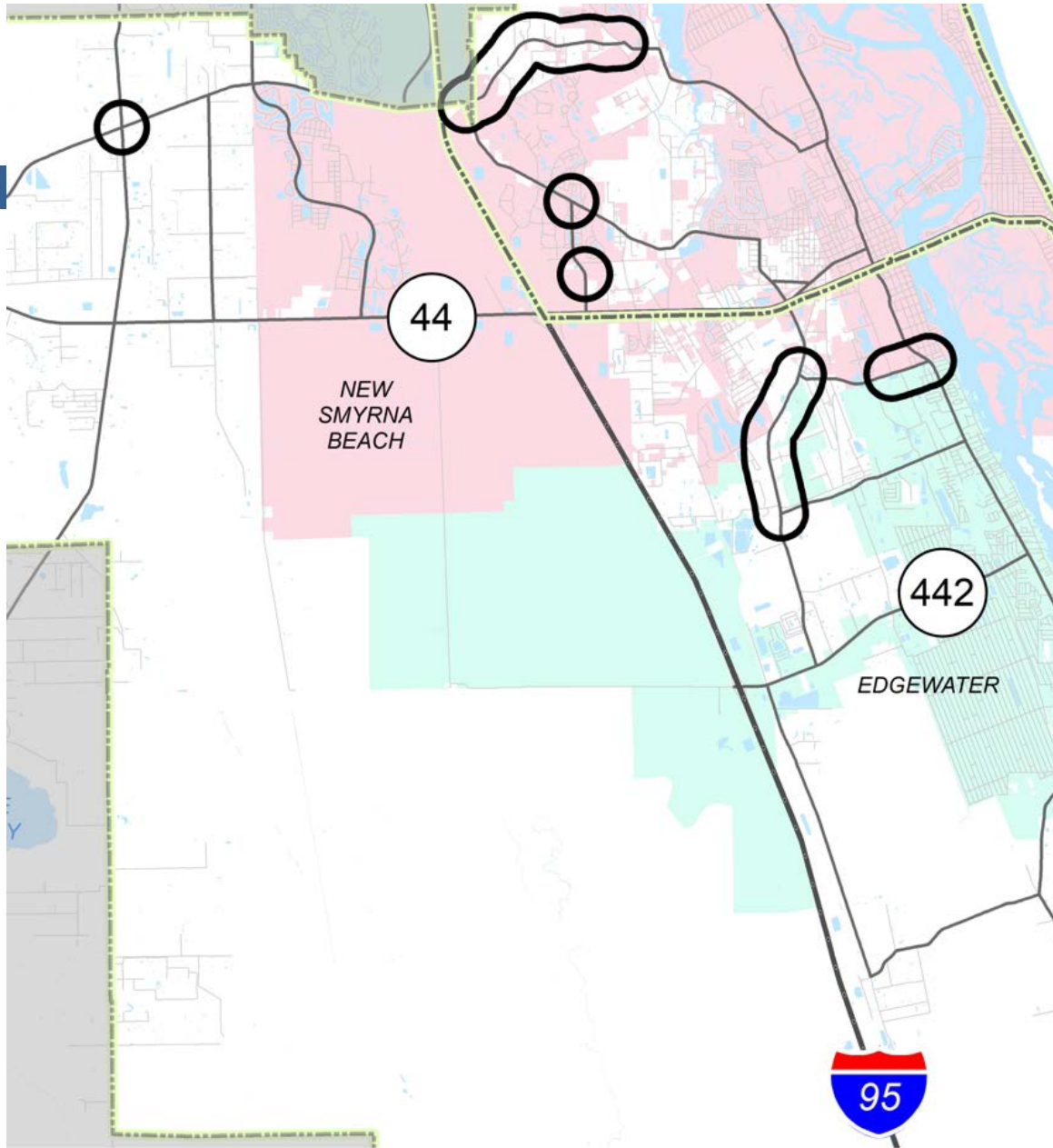
# ZONE 2



## New Smyrna Beach

- **Pioneer Trl Intersection Improvements  
Pioneer Trl & Tomoka Farms Rd**  
(Design & ROW Acquisition Underway)
- **Turnbull Bay Rd add paved shoulders  
from Pioneer Trl to Creek Shore Trl**  
(Design & ROW Acquisition Underway)
- **Sugar Mill Dr & Pioneer Trl Intersection  
Improvements**  
(Design Underway)

# ZONE 2



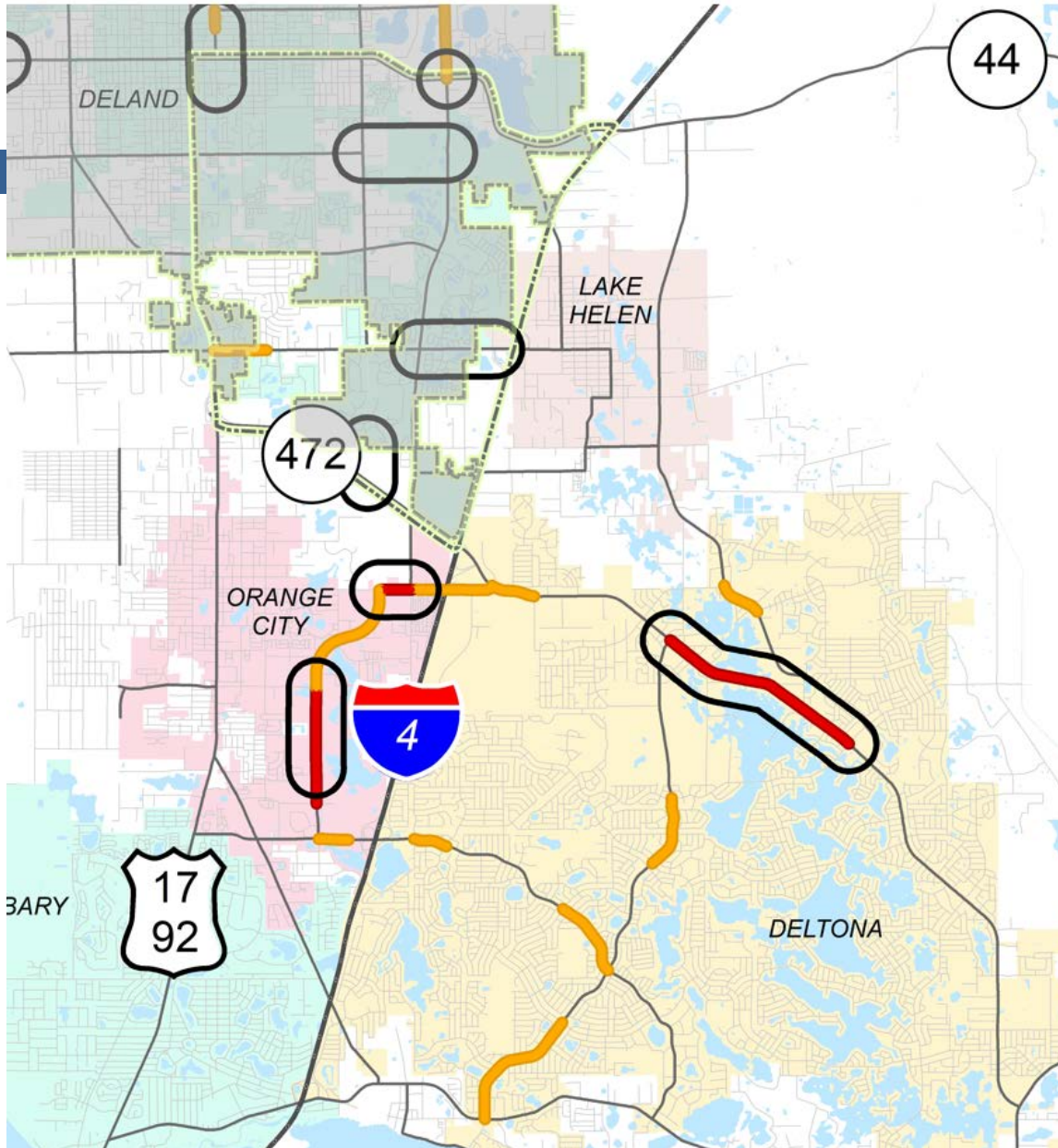
## New Smyrna Beach

- **Sugar Mill Dr Southern Curve north of SR 44 Safety Improvement (COMPLETE)**
- **Old Mission Rd Safety Improvements from West Park Av to Josephine St. (Design & ROW Acquisition Underway)**

## Edgewater/New Smyrna Beach

- **10th St widening from Myrtle Av to US 1 (COMPLETE)**





# ZONE 3



## Deltona

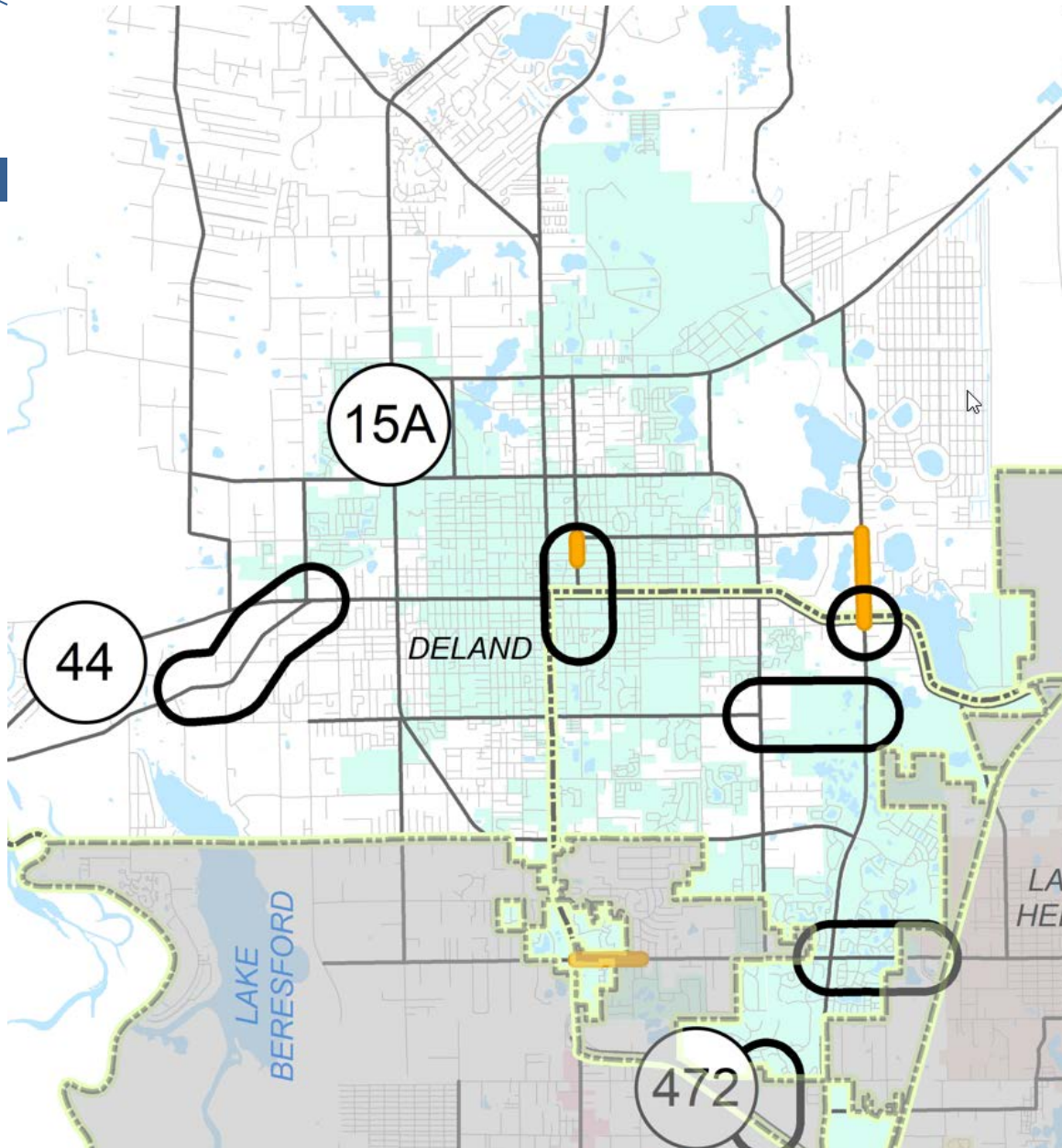
- **Howland Blvd widening from Providence Blvd to Elkcarn Blvd**  
(Construction Underway)

## Orange City

- **Graves Ave widening from 2 Lanes to 3 Lanes Veterans Memorial Pkwy to Kentucky Av**  
(Design Underway)
- **Veterans Memorial Pkwy widening from current limits of 4 Lanes to Rhode Island Av**  
(Design Underway)

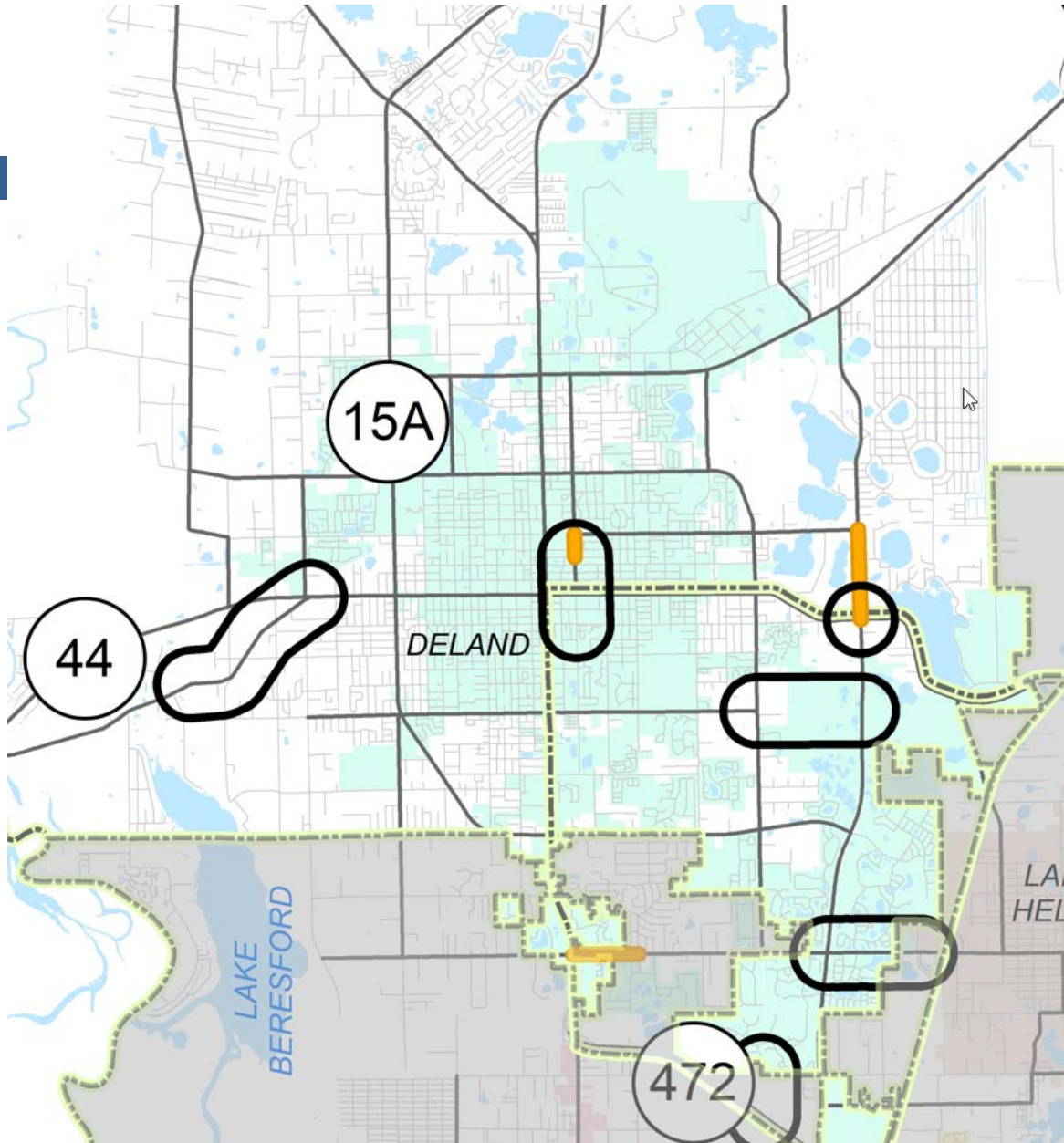


# ZONE 4



## DeLand

- **Orange Camp Rd widening from Martin Luther King Jr. Btwy to I-4**  
(Construction Underway)
- **Old New York Av Add Paved Shoulders SR 44 to Shell Rd**  
(Design Underway)
- **Beresford Rd Extension from Blue Lake Av to Kepler Rd/Martin Luther King Jr. Btwy**  
(Design & ROW Acquisition Underway)



# ZONE 4



- **Amelia Av Lane Reduction from Voorhis Ave to Ohio Ave**  
(Design & ROW Acquisition Underway)
- **Blue Lake Av Extension from Blue Lake Av in Victoria Park to SR 472**  
(Design & ROW Acquisition Underway)

# POTENTIAL FUTURE PROJECTS

14

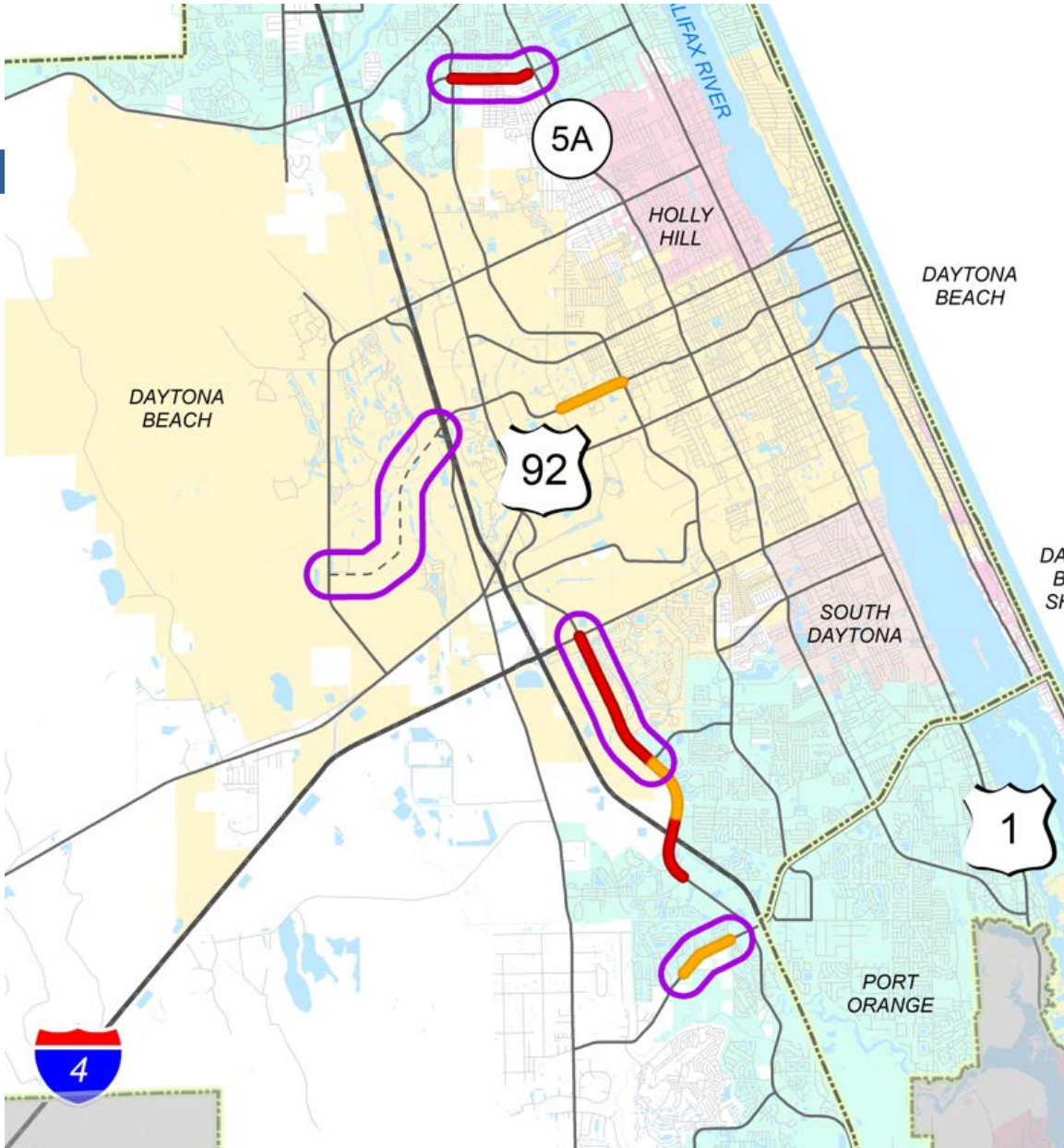
There are several critical road segments that are not included in the recommended projects listed because there are other circumstances affecting their potential widening or improvement.

## County Thoroughfare Road Segments funded or constructed by others:

- **LPGA Blvd Widening from 2 Lanes to 4 Lanes** **Daytona Beach**  
US 17/92 to the I-95 Interchange PD&E Study and Design funded by FDOT
- **Saxon Blvd Widening from 5 Lanes to 6 Lanes** **Deltona**  
Finland Dr to Normandy Blvd Potential construction by FDOT of I-4 Interchange
- **Kepler Rd Widening from 2 Lanes to 4 Lanes** **DeLand**  
SR 44 to Minnesota Ave Pending construction by FDOT of SR 44 intersection
- **Veterans Memorial Pkwy Widening from 2 Lanes to 4 Lanes** **Orange City**  
Existing 4 Lane to Rhode Island Ave Design by developer and potential construction
- **Beresford Ave Extension** **DeLand**  
Martin Luther King Jr. Btwy to SR 44 Partial design and construction by developer
- **Tymer Creek Rd Extension** **Daytona Beach**  
Existing limit to SR 40 Design & construction by developer



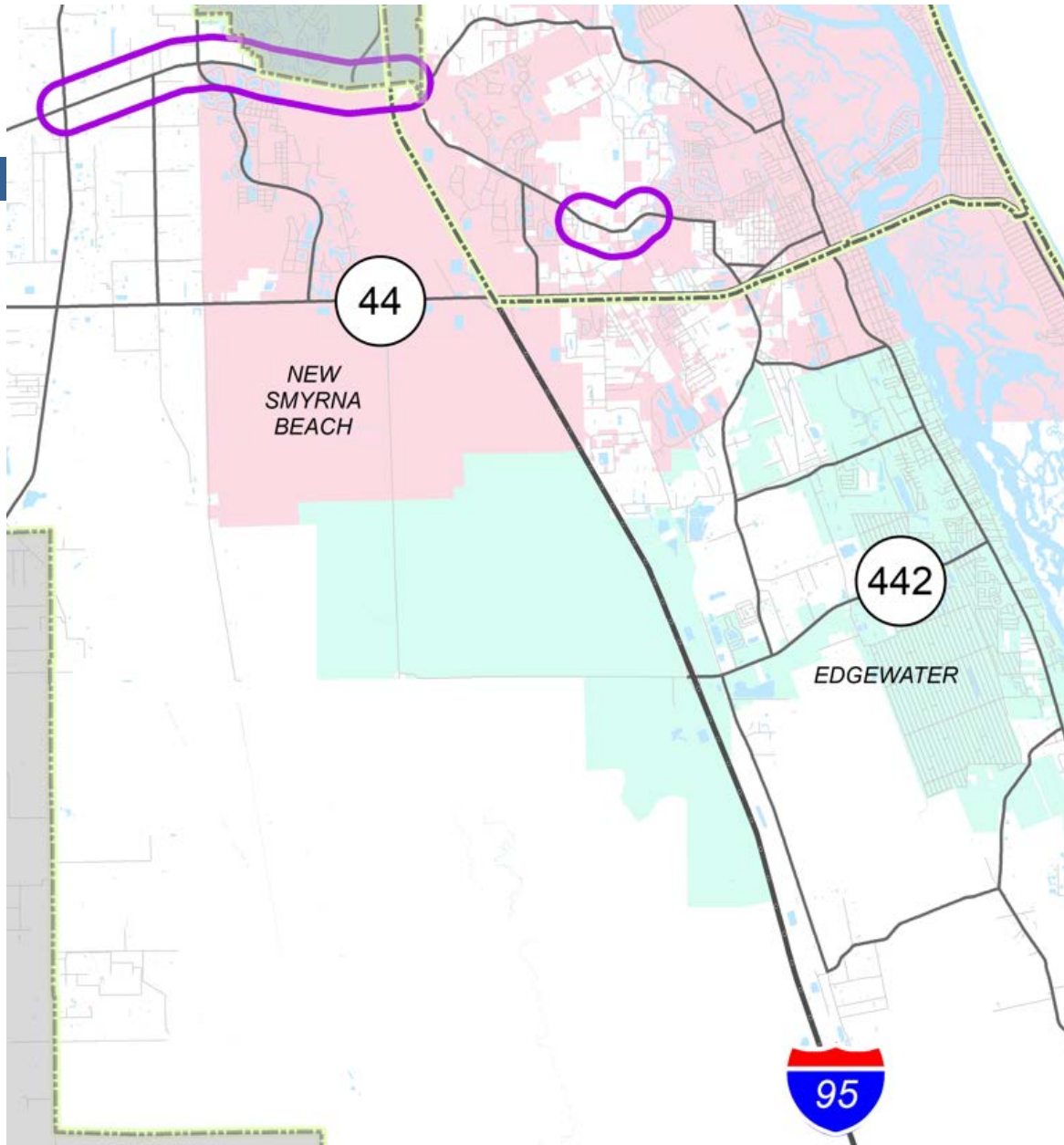




# ZONE 1 Proposed



- **Hand Ave widening from Clyde Morris Blvd to Nova Rd**
- **Dunn Av extension from Tomoka Farms Rd to LPGA Blvd**
- **Williamson Blvd widening from Beville Rd to Madeline Av**
- **Taylor Rd widening from Forest Preserve Blvd to Madeline Av**

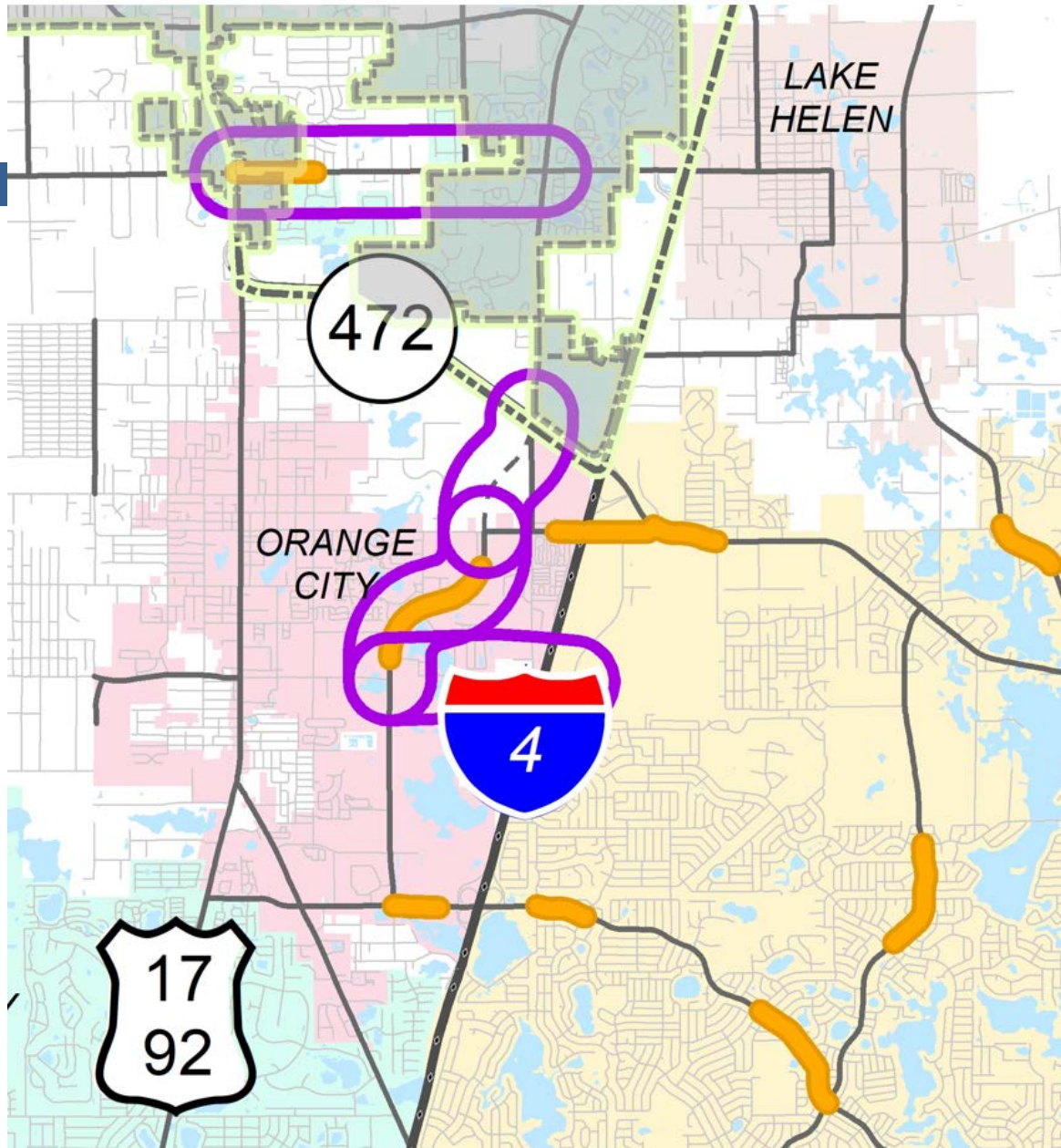


## ZONE 2 Proposed



- Pioneer Trl safety improvements from Tomoka Farms Rd to I-95
- Pioneer Trl & Williams Blvd/Colony Park Intersection Study



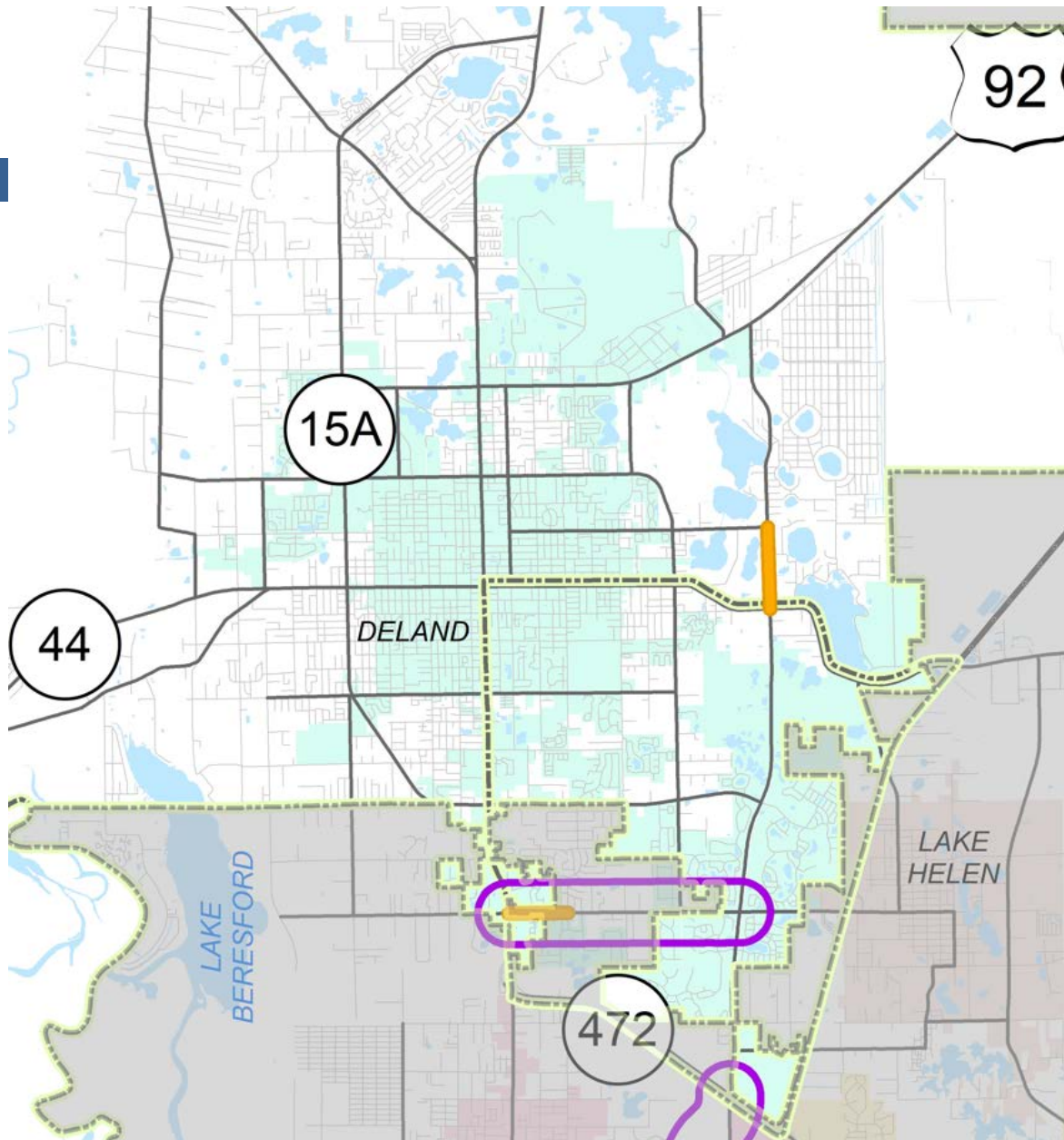


## ZONE 3 Proposed



- **Veterans Memorial Pkwy extension from Graves Av to SR 472/MLK Jr Btwy**
- **Veterans Memorial Pkwy widening from Rhode Island Av to Graves Av**
- **Rhode Island extension from Veterans Memorial Pkwy to Normandy Blvd**





## ZONE 4 Proposed



- **Orange Camp Rd widening from US 17/92 to MLK Jr. Btwy feasibility study**

# POTENTIAL PROJECTS - Vol/Cap



19

Project Name <small>(color coding by zone)</small>	Est. Cost	VC Ratio	Zone
1. Pioneer Trl safety improvements from Tomoka Farms Rd to I-95	\$ 100,000	0.69	2
2. Orange Camp Rd widening from US 17/92 to MLK Jr. Btwy feasibility study	\$ 500,000	1.01	4
3. Hand Av widening from Clyde Morris Blvd to Nova Rd	\$ 6,200,000	1.25	1
4. Williamson Rd widening from Beville Rd/SR 400 to Madeline Av	\$ 7,500,000	1.21	1
5. Veterans Memorial Pkwy widening from Rhode Island Av to Graves Av	\$ 7,358,000	1.03	3
6. Dunn Av extension from Tomoka Farms Rd to LPGA Blvd	\$15,318,000	1.83	1
7. Taylor Rd widening from Forest Preserve Blvd to Summer Trees Rd	\$10,522,000	1.02	1
8. Pioneer Trl safety improvements from Tomoka Farms Rd to I-95	\$10,625,000	0.44	2
9. Veterans Memorial Pkwy extension from Graves Av to SR 472/MLK Jr Btwy	\$15,000,000	0.63	3

# VOLUSIA CITIZEN PRIORITIES?

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Public was asked:

- What roads are your priority?

Provide a list of your Top 5 County road improvements.

- What road is a priority in your zone?

List the most important County road improvement you want in your zone.



# POTENTIAL PROJECTS – Public Input



21

Project Name <small>(color coding by zone)</small>	Est. Cost	Zone
1. Veterans Memorial Pkwy extension from Graves Av to SR 472/MLK Jr Btwy	\$15,000,000	3
2. Veterans Memorial Pkwy widening from Rhode Island Av to Graves Av	\$ 7,358,000	3
Pioneer Trl safety improvements from Tomoka Farms Rd to I-95	\$10,625,000	2
4. Orange Camp Rd widening from US 17/92 to MLK Jr. Btwy Study	\$ 500,000	4
5. Hand Av widening from Clyde Morris Blvd to Nova Rd	\$ 6,200,000	1
Dunn Av extension from Tomoka Farms Rd to LPGA Blvd	\$15,318,000	1
Taylor Rd widening from Forest Preserve Blvd to Summer Trees Rd	\$10,522,000	1
8. Pioneer Trl & Williams Blvd / Colony Park Intersection improvements study	\$ 100,000	2
Rhode Island Av extention from Veterans Memorial Pkwy to Normandy Blvd	\$ TBD	3

Notes: Providence Blvd resurfacing or widening received 3 votes, Saxon Blvd (Deltona) widening and Doyle Rd widening received 2 votes and 21 other projects received 1 vote.

# COUNCIL APPROVED PRIORITY LIST



22

Project Name <i>(color coding by zone)</i>	Est. Cost	Zone
1. Pioneer Trl & Williams Blvd / Colony Park Intersection study	\$ 100,000	2
2. Orange Camp Rd widening from US 17/92 to MLK Jr. Btwy feasibility study	\$ 500,000	4
3. Dunn Av extension from Tomoka Farms Rd to LPGA Blvd	\$15,318,000	1
4. Veterans Memorial Pkwy extension from Graves Av to SR 472/MLK Jr Btwy	\$15,000,000	3
5. Hand Av widening from Clyde Morris Blvd to Nova Rd	\$ 6,200,000	1
6. Pioneer Trl safety improvements from Tomoka Farms Rd to I-95	\$10,625,000	2
7. Veterans Memorial Pkwy widening from Rhode Island Av to Graves Av	\$ 7,358,000	3
8. Williamson Rd widening from Beville Rd/SR 400 to Madeline Av	\$ 7,500,000	1
9. Rhode Island Av extension from Veterans Memorial Pkwy to Normandy Blvd	TBD	1
10. Taylor Rd widening from Forest Preserve Blvd to Summer Trees Rd	\$10,522,000	1