



Gandy Boulevard Exit Ramp and 94th Avenue North Signal

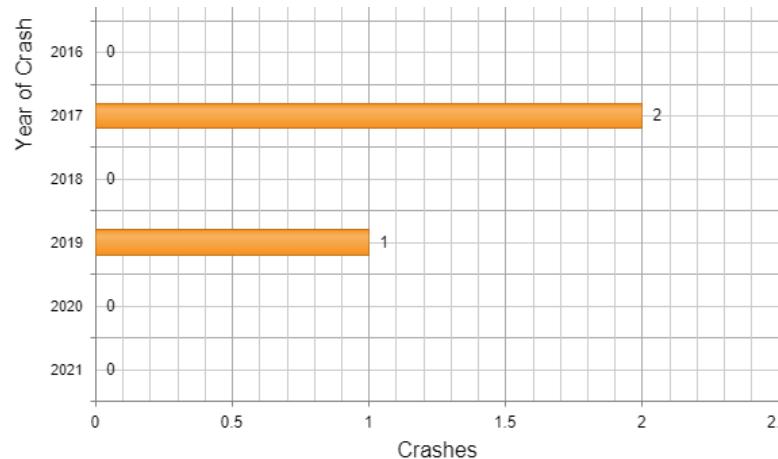
FPN: 446973-1-52-01

2-22-2022

GANDY AND 94TH INTERSECTION STUDY

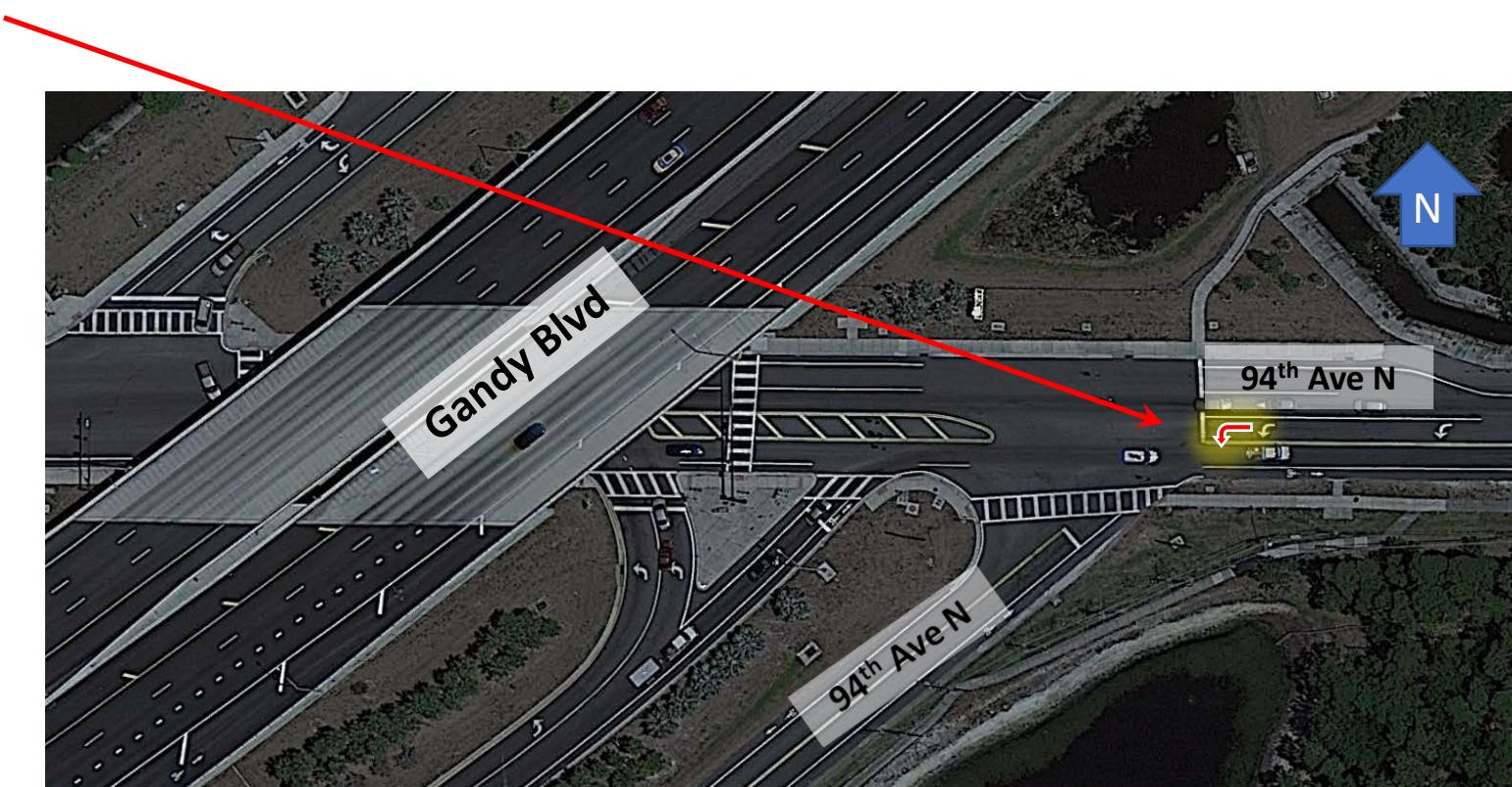
Initial Request: Westbound Left Turn Phase from 94th Ave N on to Frontage Rd:

Angle and Left Turn Crashes involving WBLT since 2017 (3 crashes total w/ PDO).



Volumes for left turn installation from Nation Cooperative Highway Research Program (NCHRP) require a cross-product of 50,000. The highest volume times only have a cross-product of 23,184 (92 x 252).

	94TH AVENUE N Westbound			FRONTAGE ROAD (94TH E AVE) Eastbound		
Start Time	Left to 94th	Thru	App. Total	Thru	Right to 94th	App. Total
05:00 PM	21	108	129	64	1	65
05:15 PM	25	108	133	64	5	69
05:30 PM	22	90	112	54	5	59
05:45 PM	24	66	90	53	6	59
Total	92	372	464	235	17	252



GANDY AND 94TH INTERSECTION STUDY

Field observation (AM Peak): 1/23/2022 (Sun) 9-11 AM:

Field observation (PM Peak): 1/27/2022 (Weds) 4-6 PM

- Little to no delay observed as all westbound left turning vehicles cleared each cycle.
- ***Westbound Left Turn not recommended*** since westbound left-turning vehicles had adequate gaps to turn.
- ***Westbound Left Turn not recommended*** since cross-product volumes do not meet the minimum standard.



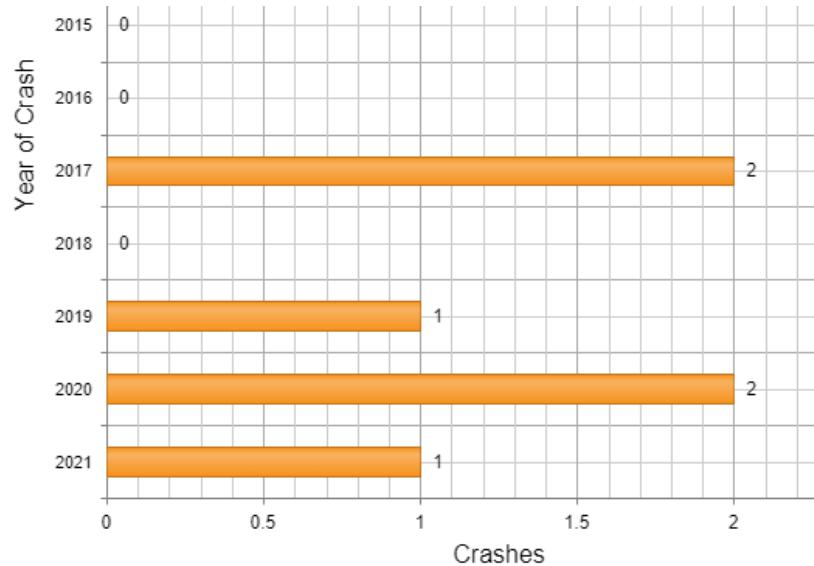
GANDY AND 94TH INTERSECTION STUDY

Field Observation (Sunday Morning) 1/23/2022 (9-11

AM):

- “No Right on Red” Blank-Out sign experienced regular non-compliance on NB Gandy Off-Ramp.

Right-turn / rear-end crashes involving Gandy Off-Ramp RT and Frontage Rd RT / LT since 2017 (6 crashes total):



GANDY AND 94TH INTERSECTION STUDY

Short Term Recommendations:

- Convert NB Gandy Off-Ramp Signal indications to right arrow indications instead of balls indications.



- Convert Blank-Out Sign to LED w/ No Right on Red symbol instead of white letters for greater visual conspicuity.
- Request Increased Law Enforcement Efforts.



GANDY AND 94TH INTERSECTION STUDY (EXISTING CONDITION)

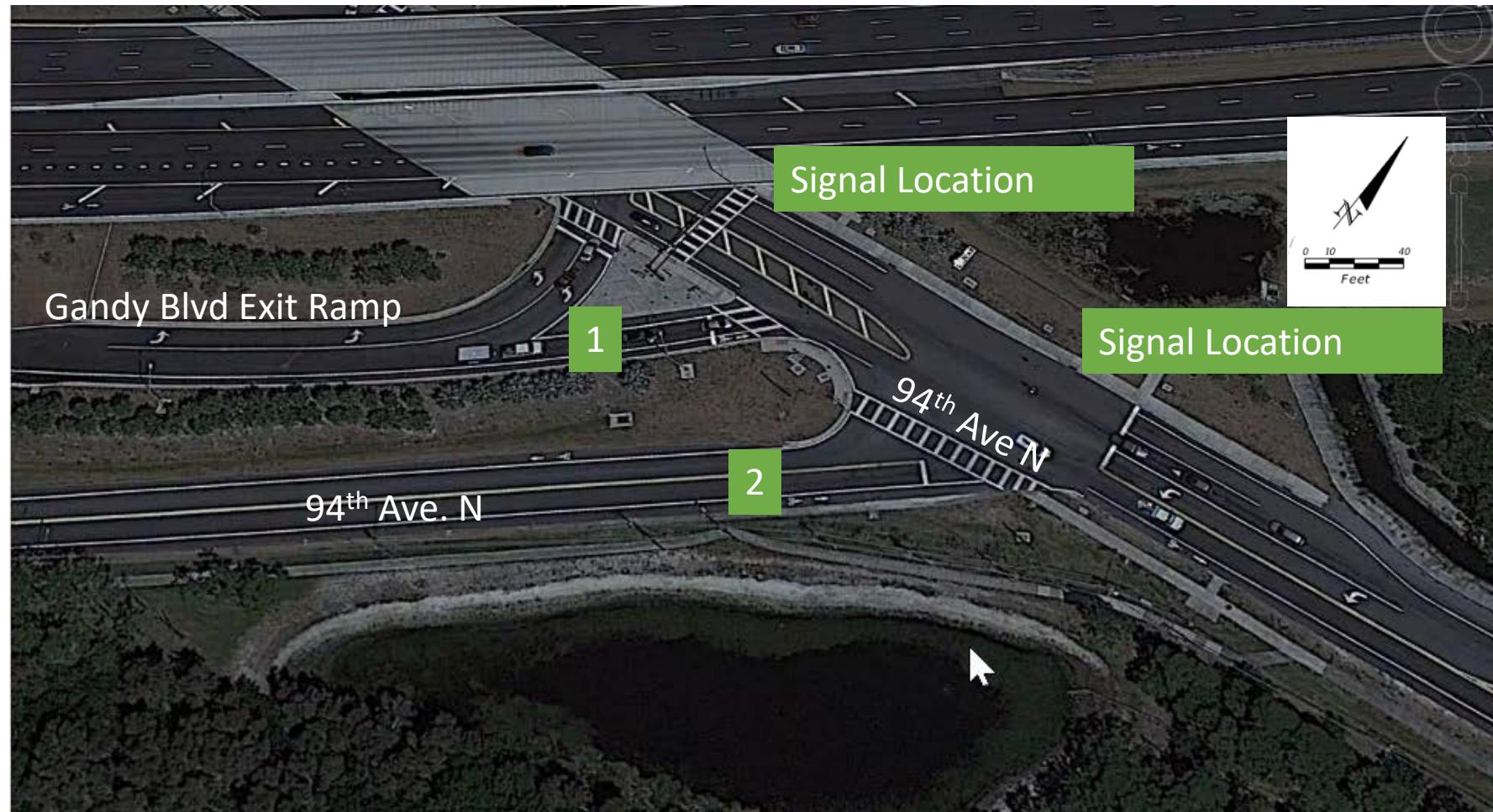
Issues:

Gandy Blvd Exit Ramp at 94th Ave N

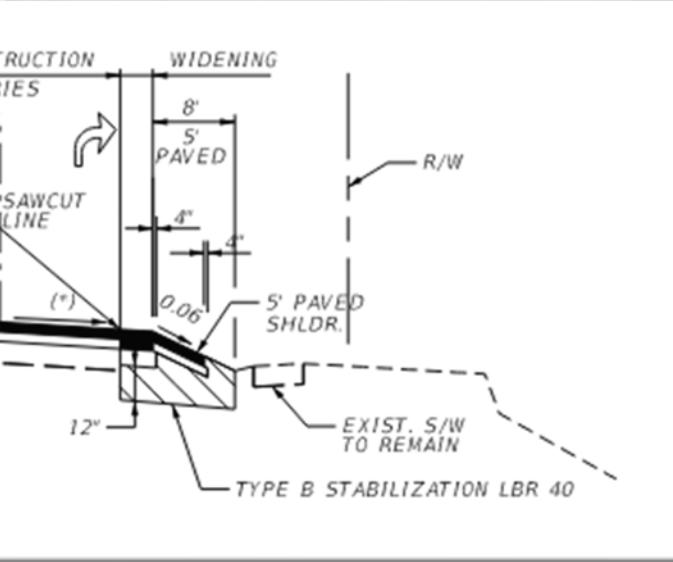
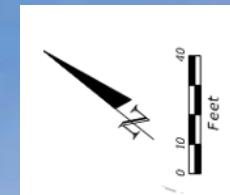
1. Conflict between right turn from Gandy Blvd exit ramp and left turn lane out of 94th Ave. North.

- 94th Ave N

2. No right turn lane.



GANDY AND 94TH INTERSECTION STUDY (EXISTING CONDITION)



Typical Section (Frontage Road)



- Proposed improvements on 94th Ave. North will include an eastbound Right Turn Lane, a westbound Left Turn Lane and southbound Lane and Paved Shoulders/Bike Lanes

GANDY AND 94TH INTERSECTION STUDY

Proposed Intersection improvements:

Gandy Blvd Exit Ramp at 94th Ave N

1. Realign the right turn lane to eliminate the conflict between right turn from Gandy Blvd exist ramp and left turn from 94th Ave North. This will include separate signal phasing.

- ❖ Realign the crosswalks
- ❖ Replace existing Signal

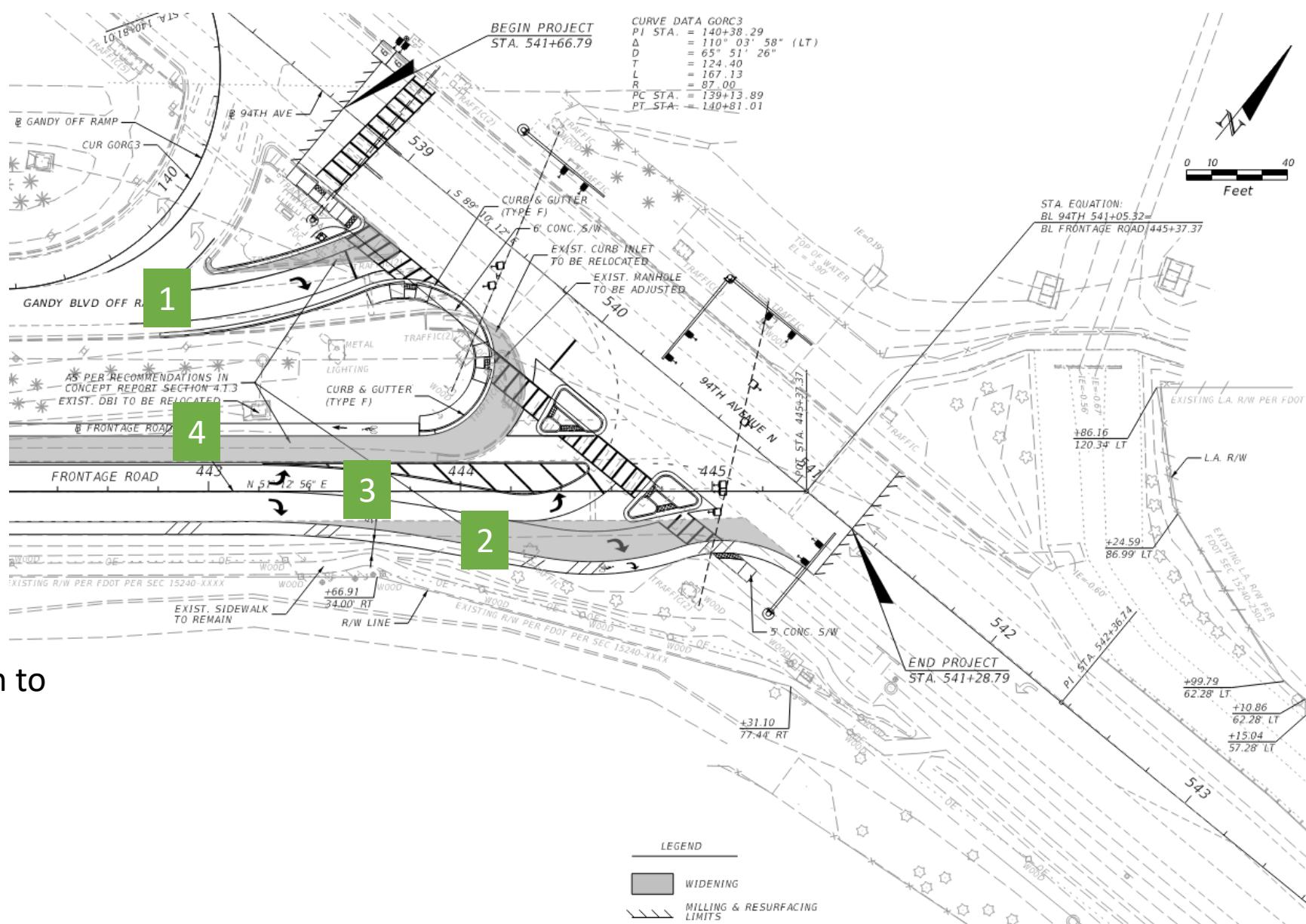
94th Ave N

2. Add a right turn lane on 94th Ave. North to improve capacity.

3. Provide a separate left turn lane

- ❖ Add two new mast arms signals
- ❖ Provide crosswalks and bike lanes
- ❖ Maintain existing sidewalks

4. Allows U-turning movements from the Gandy Blvd exit ramp to 94th Ave. North on Green ONLY.



Thank You!

Contact Information:

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