Aviation Boulevard/ Dr. Hugh McCrystal Drive Extension

ALTERNATIVES ANALYSIS

37th Street 5-Laning - Justification

- **Beginning to Exceed Adopted LOS**
  - **Peak Hour Capacity Westbound: 880 Cars**
  - **Peak Hour Volume: 700 Cars**
  - **Vested Trips: 97 Trips**
  - **Available Capacity: 83 Trips**

- **Anticipated to Greatly Exceed Capacity by 2040**

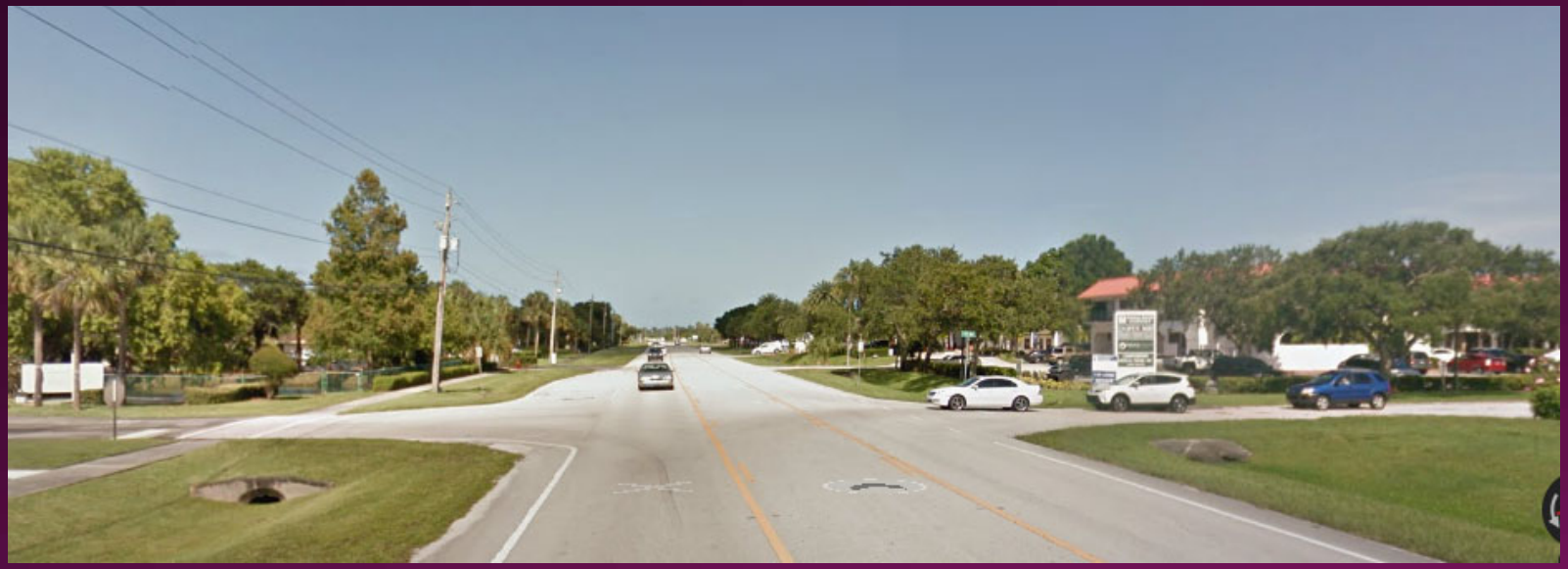
THE PROBLEM

- Virtually all medical trips funneled to 37th Street
- Lack of parallel Roadways in this part of the County
    - Main Relief Canal
    - Conservation Land
    - Airport
    - Development Patterns

POTENTIALLY GETTING WORSE

- Currently 1.672 Million sf of medical/office space
- S. of 37th: 150 of 410 acres vacant
- N. of 37th: 160 of 260 acres vacant
- No Major Alternative Medical Nodes planned

37th Street 5-Laning - Challenges



37th Street 5-Laning - Challenges

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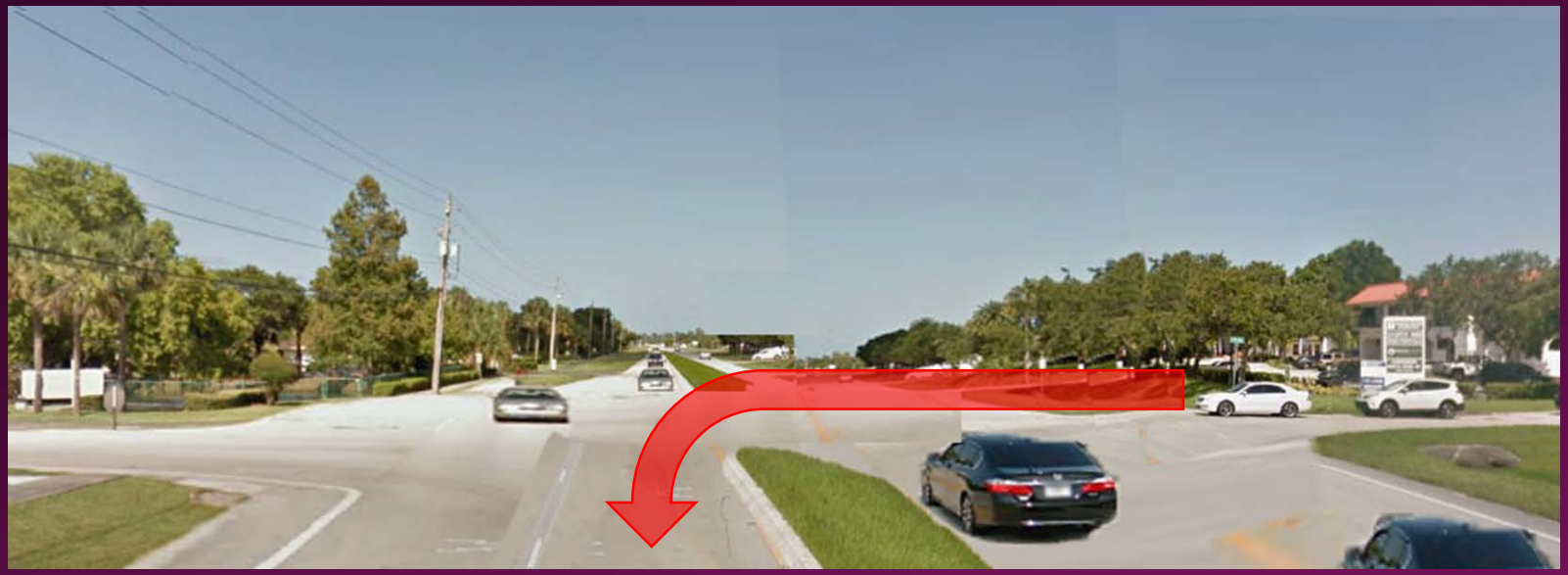
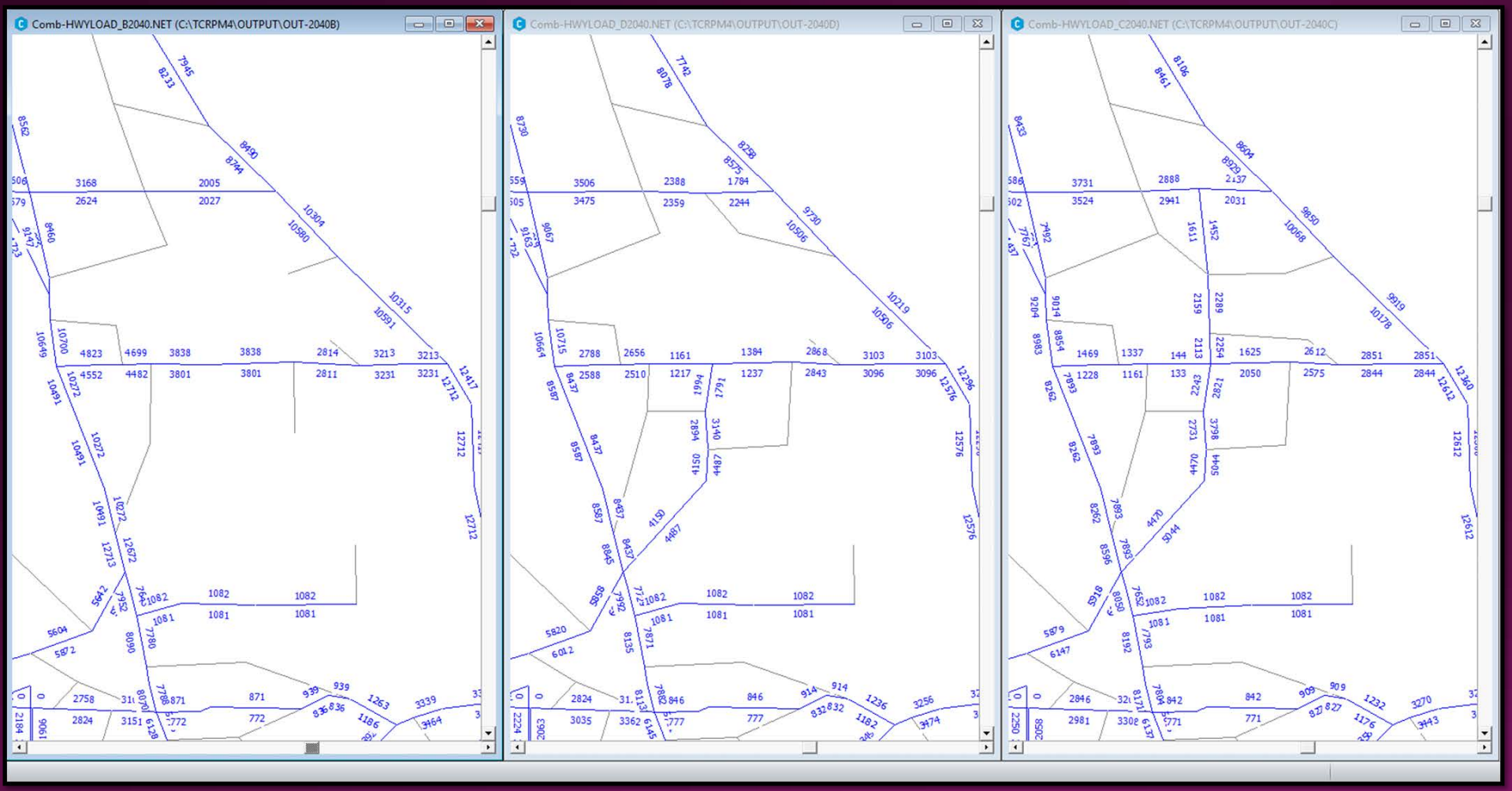


37th Street 5-Laning - Challenges

- Cost
- Disruption
  - During AND After
- ROW and Drainage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Comb-HWYLOAD_D2040.NET (C:\TCRPM4\OUTPUT\OUT-2040D)
Comb-HWYLOAD_C2040.NET (C:\TCRPM4\OUTPUT\OUT-2040C)

37th Street 5-Laning - Results

	With Aviation	With 37th Street
• Aviation Boulevard Extension Trips:	9,000	N/A
• 11th Avenue (41st Street Connector) Trips:	4,500	N/A*
• US 1 South of 37th Trips:	16,100	20,700
• US 1 North of 37th Trips:	17,800	21,300
• 37th Street Trips:	6,200	10,500
• 2-Lane LOS "D" Capacity:		~10,000

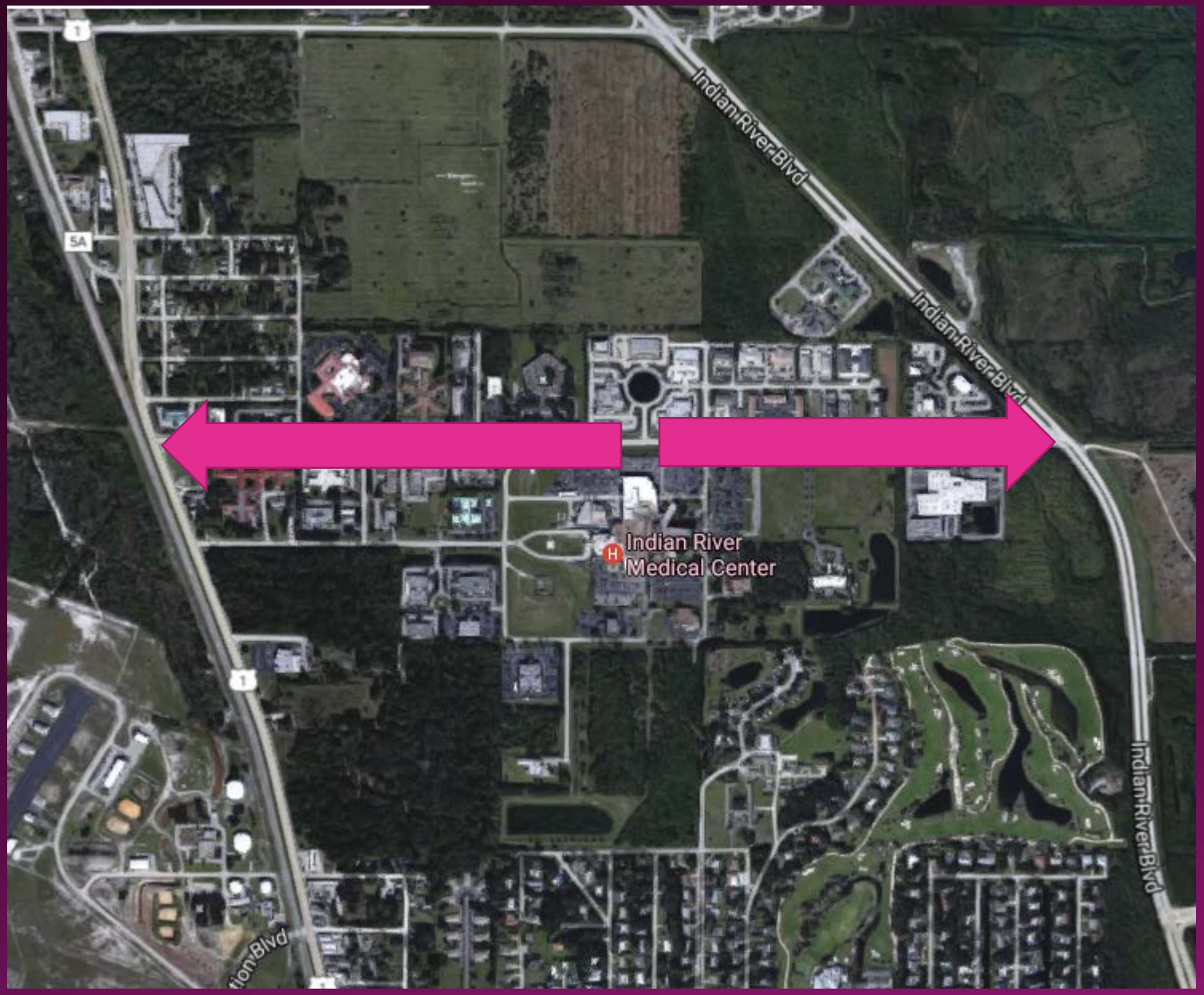
(Note: 11th Drive alignment would produce a similar result)

Aviation Boulevard/McCrystal Drive Conclusion

- **Could Eliminate Need to Widen 37th Street**
- **Less Disruptive (During Construction and After)**
- **Benefits Property Owners**
- **County would Construct, Own, Maintain new facility**

Aviation Boulevard/McCrystal Drive Conclusion

- **Additional Advantages:**
  - **Opportunity for a Railroad Overpass at US 1**
    - **FDOT Project Design to begin 2022**
    - **MPO Requested Overpass be considered in design**
  - **EMERGENCY ACCESS**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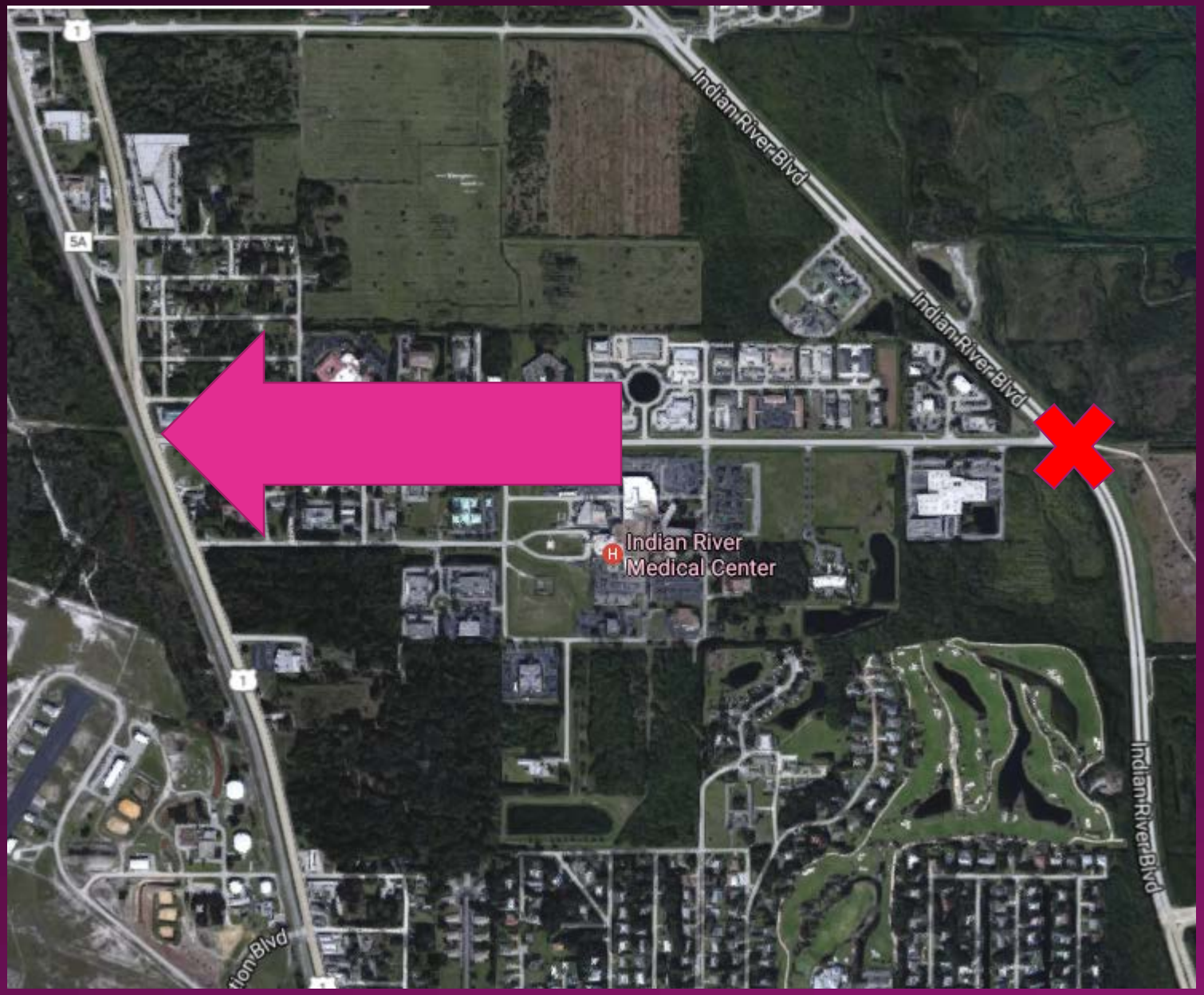
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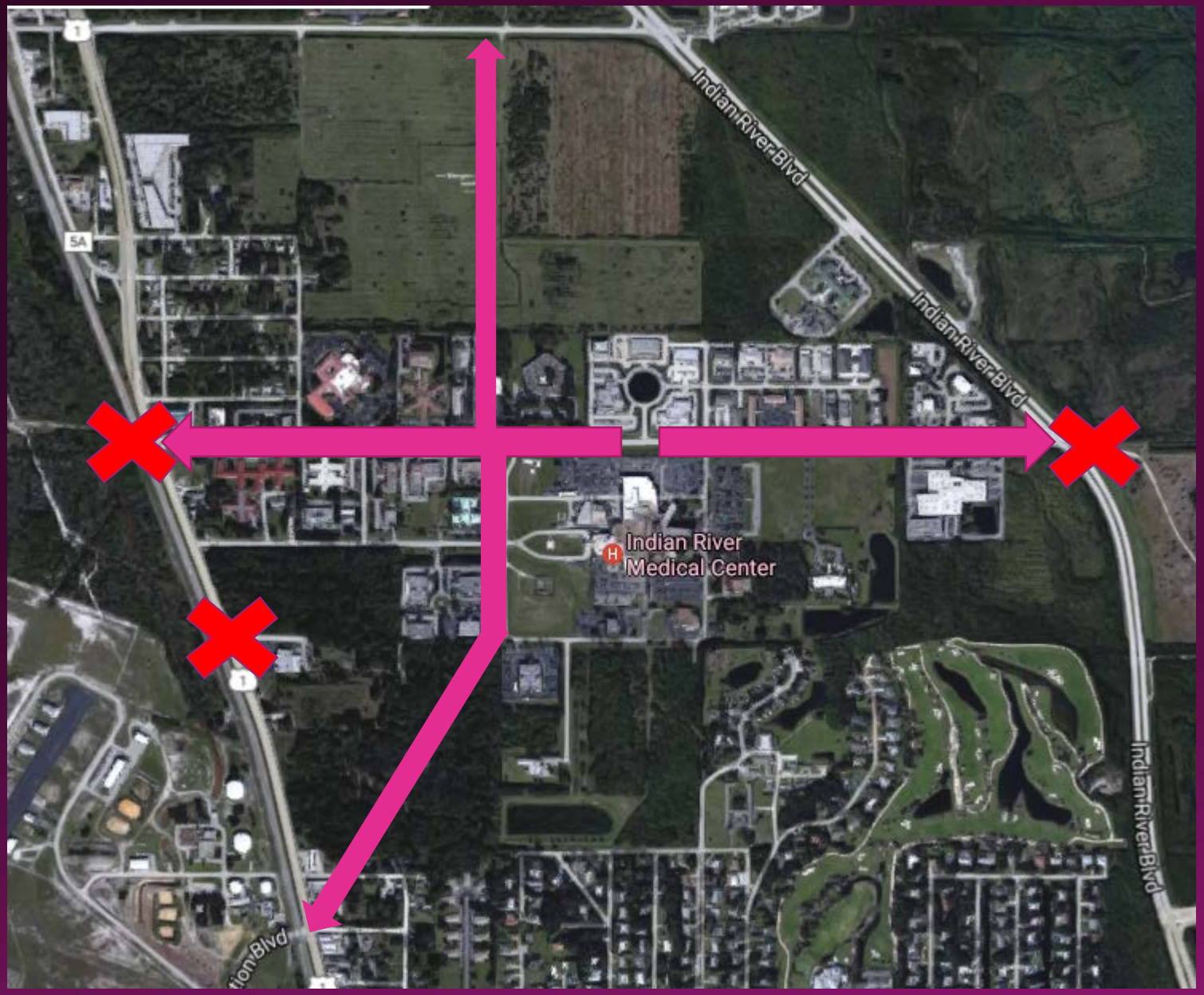
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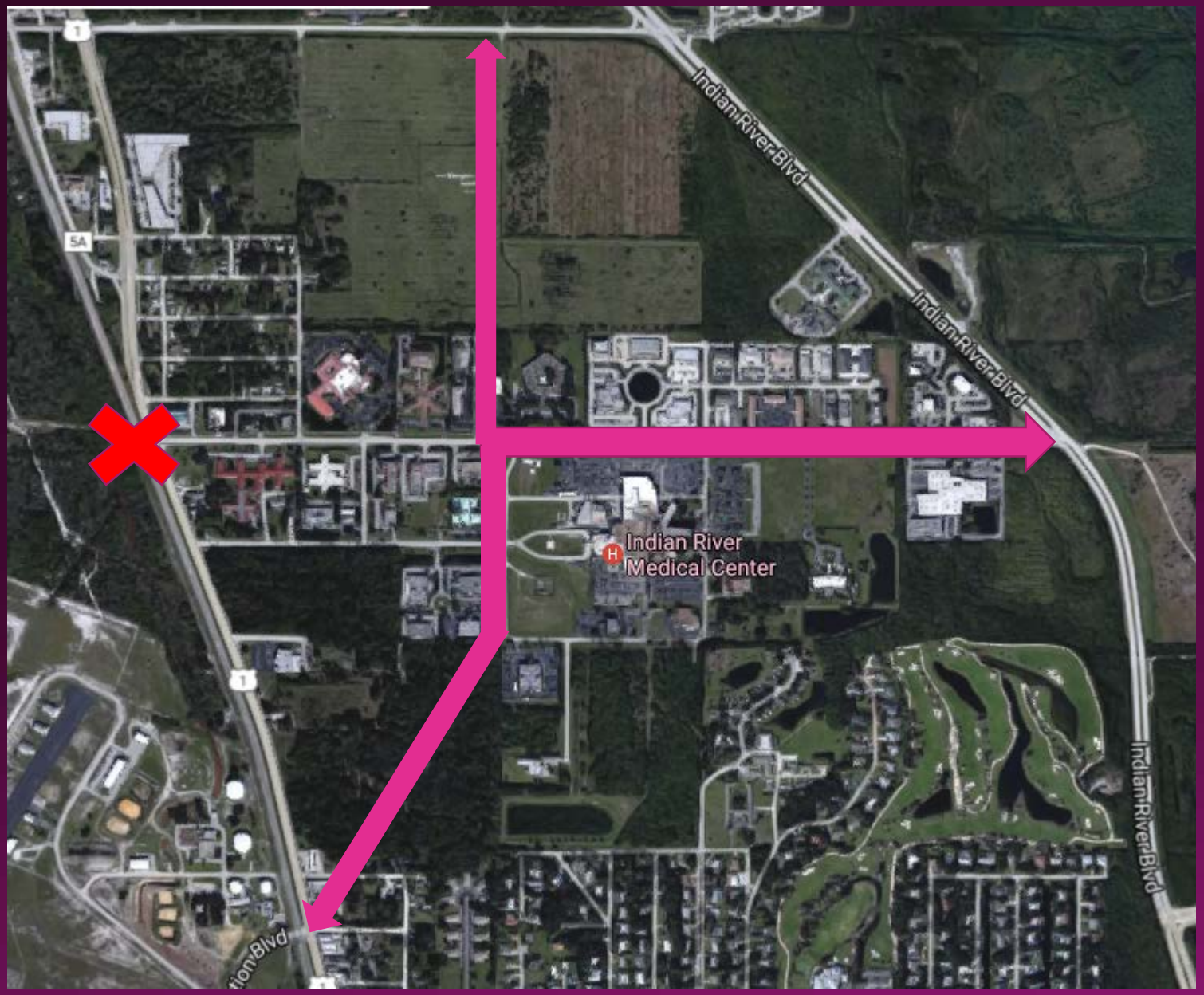
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37th STREET
36th STREET
36th STREET
35th LANE
35th LANE
PROPOSED AVIATION
BOULEVARD EXTENSION
80' ROW
33RD STREET
33RD STREET
AVIATION BOULEVARD
US HWY 1

37th STREET
35th LANE
36th STREET
36th STREET
35TH LANE
PROPOSED AVIATION
BOULEVARD EXTENSION
80' ROW
33RD STREET
AVIATION BOULEVARD
33RD STREET

37th STREET
36th STREET
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PROPOSED AVIATION
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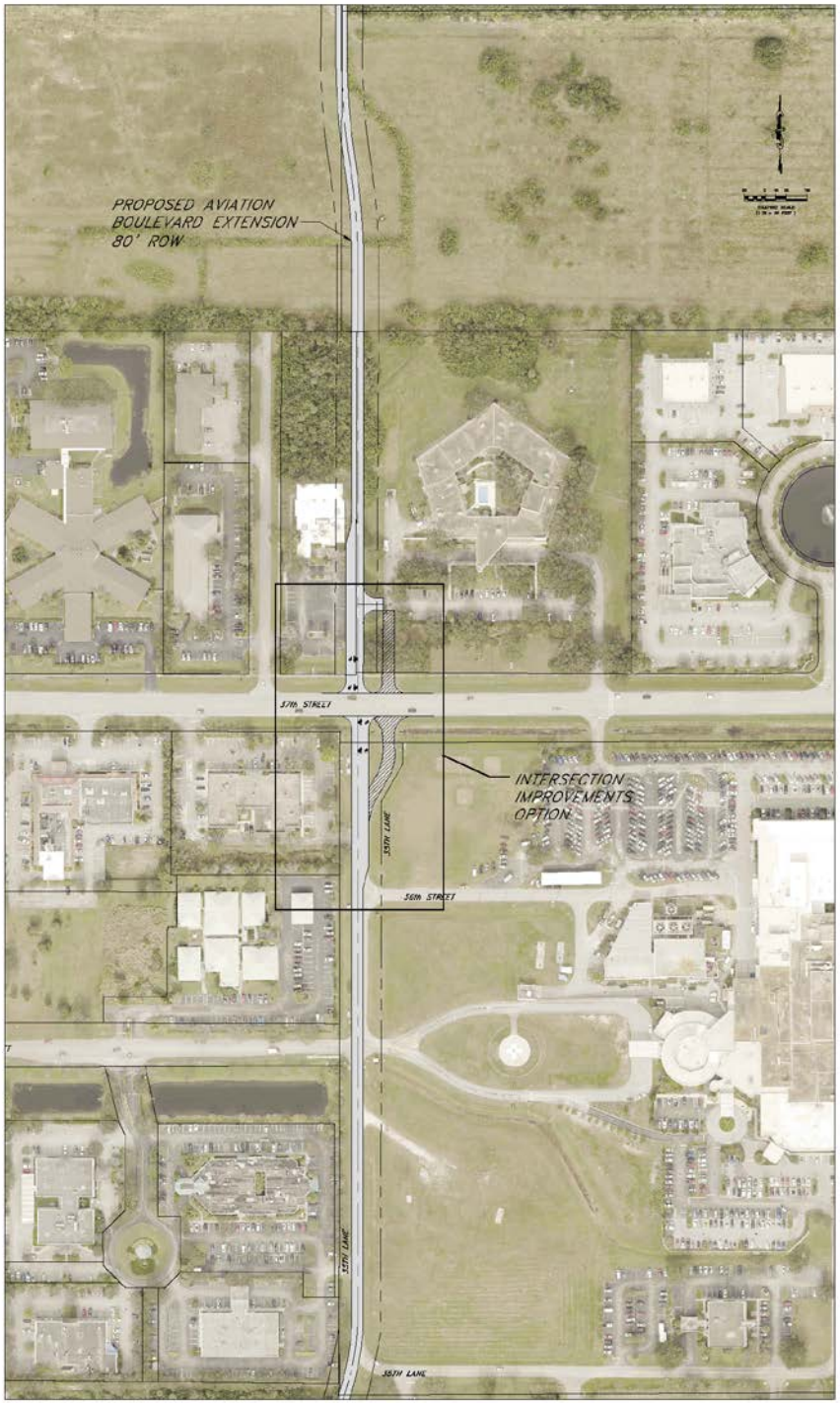
PROPOSED AVIATION
BOULEVARD EXTENSION
80' ROW
57th STREET
INTERSECTION
IMPROVEMENTS
OPTION
55TH LANE
56th STREET
55TH LANE
55TH LANE

37th STREET
TH LANE

35TH LANE
OPOSED AVIATION
ULEVARD EXTENSION
ROW
13TH AVENUE
32ND STREET

35TH LANE
SED AVIATION
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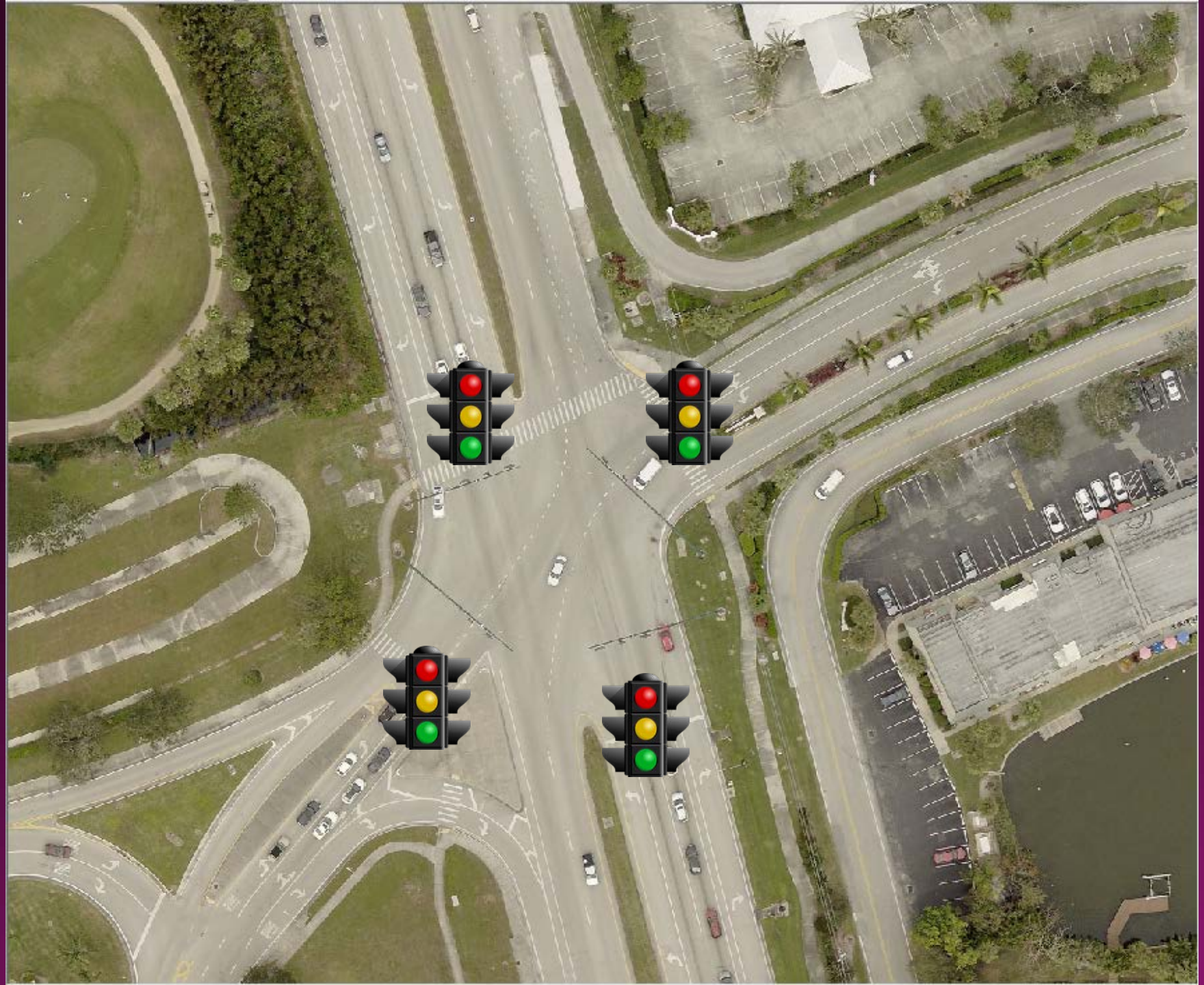
ND STREET

35TH LANE
OSED AVIATION
LEVARD EXTENSION
ROW
13TH AVENUE
32ND STREET



37th Street 5-Laning - Recommendation

- Staff recommends that the Hospital District consider the proposed north and south roadway segments and authorize District staff to work with County staff in preparing a draft agreement between the District and the County.