

**CITY OF FORT LAUDERDALE  
BEACH REDEVELOPMENT BOARD (BRB)**

**February 18, 2019**

**9:45 A.M.**

**FORT LAUDERDALE AQUATIC COMPLEX  
501 Seabreeze Boulevard  
2<sup>nd</sup> Floor – Press Room  
Fort Lauderdale, Florida 33316**

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|-------|--|--|
| I.    | Call to Order & Determination of Quorum  | Thomas McManus<br>Vice-Chair   |
| II.   | Approval of BRB Minutes <ul style="list-style-type: none"><li>• December 17, 2019</li><li>• January 04, 2019 Special BRB</li></ul> | Thomas McManus<br>Vice-Chair   |
| III.  | Select Beach Redevelopment Board (BRB)<br>Chair and Vice-Chair   | Donald Morris, AICP<br>Beach CRA Manager                                   |
| IV.   | Recommend Beach Redevelopment Member to the<br>Beach Business Improvement District<br>Committee (BID)                              | Donald Morris, AICP<br>Beach CRA Manager                                   |
| V.    | Las Olas Garage.Tour Discussion  | Donald Morris, AICP<br>Beach CRA Manager                                   |
| VI.   | Thor-Guard Lighting System Presentation  | Jake Swick<br>Chief Meteorologist<br>Pat Bennett<br>National Sales Manager |
| VII.  | Communication to City Commission   | BRB Members  |
| VIII. | Old/New Business   | Donald Morris, AICP<br>Beach CRA Manager                                   |

**Our next regular meeting will be on March 18, 2019**

**Purpose:**

To implement a revitalization plan and to cause to be prepared a community redevelopment plan for the Central Beach Redevelopment Area subject to the approval of the City Commission and to recommend actions to be taken by the City Commission to implement the community redevelopment plan.

**Note:**

Two or more City Commissioners and/or Advisory Board members may be present at this meeting. If any person decides to appeal any decision made with respect to any matter considered at this public meeting or hearing, he/she will need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based. If you desire auxiliary services to assist in viewing or hearing the meetings, or reading meeting agendas and minutes, please contact the City Clerk's Office at 954-828-5002 and arrangements will be made to provide these services for you. Thank you.

**Central Beach Area Redevelopment Plan Goals:**

- Eliminate the conditions of blight that are currently found in the area.
- Provide for a mix of land uses that will foster family activity and recreation in the Central Beach area, and provide opportunities for the expansion of tourist-related facilities and activities.
- Stimulate the redevelopment of the core area as a catalyst for the revitalization of the entire Central Beach area.
- Maintain public access to the beach and Intracoastal Waterway.
- Provide for resiliency of the public infrastructure in response to impacts of climate change and sea-level rise.

**Central beach Redevelopment Plan Objectives:**

- Enhance the resort image of Fort Lauderdale Beach as a place for tourists and conference groups.
- Make Fort Lauderdale Beach an integral part of the City for use by local residents.
- Improve the transportation and mobility options within and through the Central Beach area to include bicycles, pedestrians, transit, micro-transit, water-taxi, automobiles and other alternatives.
- Create and enhance a positive visual and physical environment of the Central Beach.
- Provide for an active pedestrian environment throughout the Central Beach area, particularly between the Intracoastal Waterway and the Beach.
- Improve inadequate public infrastructure for resiliency in response to the anticipated impacts of climate change and sea-level rise.

City of Fort Lauderdale, Florida. 2017. *Beach Redevelopment Plan – Modified and Restated May 16, 2017*. Section 1.1.4 Redevelopment Goals, Objectives and Policies, pg.9-11.

City of Fort Lauderdale Community Redevelopment Agency Webpage:  
<http://www.fortlauderdale.gov/home/showdocument?id=25303>



**DRAFT**  
**BEACH REDEVELOPMENT BOARD (BRB)**  
**100 NORTH ANDREWS AVENUE**  
**CITY COMMISSION CHAMBERS**  
**FORT LAUDERDALE, FL 33301**  
**Monday, December 17, 2018, 2:30 P.M.**

<b>MEMBERS</b>	<b>FEB 2018/JAN 2019</b>				
		<b>REGULAR MTGS</b>		<b>SPECIAL MTGS</b>	
		<b>Present</b>	<b>Absent</b>	<b>Present</b>	<b>Absent</b>
Ina Lee, Chair	P	8	0	4	0
Thomas B. McManus, VC	A	4	4	3	1
Art Bengochea	P	5	0	2	0
Jason Hughes	P	6	2	3	1
Monty Lalwani	P	2	1	2	0
Christian Luz	P	6	2	2	2
Kristen Maus	P	5	0	2	0
Tim Schiavone	A	6	2	4	0
Shirley Smith	P	8	0	4	0
Aiton Yaari	P	5	3	3	1

**Staff**

Don Morris, Beach CRA Manager  
 Lizeth DeTorres, Administrative Aide  
 Thomas Green, Beach CRA  
 Mauricio Hernandez, Mobility Planner  
 Jamie Opperee, Prototype, Inc.

**Guests**

Art Seitz

**Communications to City Commission**

**Motion** by Chair Lee, seconded by Mr. Yaari, that the board recommends that the monies usually contributed to the CRA by the City for the TIF continue in some fashion so that money going forward can be used for maintenance, specifically on the beach and these projects. In a voice vote, the motion passed unanimously (8-0).

**I. Call to Order and Determination of Quorum – Ina Lee**

Chair Lee called the meeting to order at 2:30 p.m.

**Quorum Requirement**

As of this date there were 10 appointed members to the Board, which means 6 would constitute a quorum. It was noted there was a quorum at the commencement of the meeting.

## **II. Approval of Minutes**

- **November 19, 2018 Regular Meeting**

**Motion** made by Mr. Luz, seconded by Mr. Bengochea, to approve the minutes of the November 19, 2018, meeting as presented. In a voice vote, the motion passed unanimously.

- **May 5, 2018 BRB & PRBAB Joint Meeting**

**Motion** made by Mr. Yaari, seconded by Mr. Hughes, to approve the minutes of the May 5, 2018, BRB & PRBAB joint meeting as presented. In a voice vote, the motion passed unanimously.

- **October 01, 2018 BRB & PRBAB Joint Meeting**

**Motion** made by Mr. Yaari, seconded by Mr. Hughes, to approve the minutes of the October 1, 2018, BRB & PRBAB joint meeting as presented. In a voice vote, the motion passed unanimously.

- **November 07, 2018 BRB & PRBAB Joint Meeting**

**Motion** made by Mr. Hughes, seconded by Mr. Yaari, to approve the minutes of the November 7, 2018, BRB & PRBAB joint meeting as presented. In a voice vote, the motion passed unanimously.

## **III. Beach Projects Update – Thomas Green, Beach CRA (Not addressed at this time)**

## **IV. New Rules Governing Appointment for Advisory Boards and Committees – Donald Morris, Beach CRA Manager**

Mr. Morris stated that on November 6, 2018, the City Commission approved Ordinance No. C-18-36 that amends the rules governing advisory board and committee appointments. He then reviewed the four main points of the ordinance, which pertain to the terms of the appointments. Basically, the changes allow a new Commissioner or Mayor to make their own appointments, and it applies to all boards.

Mr. Morris explained that when new Commissioners come on board, they may wish to appoint board members who will help further their policies.

Chair Lee recommended adding the members' expiration dates to the attendance in the minutes. Mr. Morris said they will look into it. Chair Lee said that she only found out by accident that she was being term-limited off the board.

Mr. Morris moved on to provide background information for Mr. Green's presentation. He mentioned they have signs in several locations and have done extensive outreach for the grand opening of the new garage. Signs will come down after the garage has been open for about a month. They are putting up the barrier fence with graphics on it at the Oceanside lot on December 20, 2018.

Chair Lee asked about stories concerning an additional \$1.5 million for the parking garage. Mr. Morris explained it was discussed with the board as a change order for safety items. Most of the money for that is coming from the end-of-year funds; no money will be taken from other projects. He advised there would be some short-term borrowing because the TIF funds have not yet been collected.

Chair Lee clarified that the \$1.5 million did come before the board. Mr. Morris added that staff informed the CRA Commission that the amount would be coming forward.

Several board members commented that they did not recall the discussion, but Mr. Morris assured them that they agreed to spending more money, although the specific amount may not have been mentioned. Mr. Morris elaborated that the change order affects the entire project.

Chair Lee explained the role of the advisory board for new member Mr. Lalwani.

Ms. Smith thought the cost was \$49 million, and Mr. Morris said that was correct, but it did not include the security apparatus later recommended by the Police Department and City Manager.

In response to a question by Mr. Luz, Tom Green explained that the change order increases the contract value, and they are not using contingency dollars. Mr. Bengochea pointed out that the change order is a result of owner-directed change, not a deficiency in the contract.

Chair Lee heard via email that part of it was due to an FPL problem, the subsequent delay, and a miscommunication between the auditors. She wanted clarification.

Mr. Green explained there are multiple "buckets" that the change order is broken down into. The majority is for the owner-directed change (added scope); there are also some unforeseen items arising from FPL and the impact of Hurricane Irma. Those were outside the control of the contractor, causing him to stay longer on the job, past the fixed end date. The City has liquidated damages in the contract of \$5,000 a day, and the contractor is mindful of that.

Mr. Morris advised there is a third-party construction auditor to oversee the project – the construction auditor works with the City Auditor. There will also be a third-party auditor

on the Aquatics Center project. If someone needs more details, they can contact the City Auditor, John Herbst.

### **III. Beach Projects Update – Thomas Green, Beach CRA**

- Las Olas Beach Park project

Mr. Green stated that the opening of the Las Olas Project is December 20, 2018. They will sign on a Temporary Completion Order (TCO) this week; the inspections were held on December 14, resulting in a few minor fixes.

- Beach Streetscape

SR A1A is moving forward, and the anticipated start of construction is the second quarter of 2019. Stakeholders within the project corridor will be engaged in the venture.

- Aquatic Center project

Staff is on the 30% review of the design plans and comments have been submitted back to Hensel Phelps. Demolition is scheduled to begin in May, 2019.

- DC Alexander Park

Feedback from public meetings has led to revising the design concept – public meetings will follow.

Mr. Morris did not think that the new incoming City Manager would have any effect on the plans for DC Alexander Park. A public process will continue, with opportunities for input to the revised designs.

Chair Lee brought up transportation at the beach and how to make it go smoothly.

Mauricio Hernandez, Livability Planner, Transportation and Mobility, reported the bike and pedestrian circulation will be the most affected modes of transportation, particularly on the northern side of the garage, going to the beach. The first month is expected to be hectic, but there will be additional signage. They are also talking to all the event promoters to advise them of the construction around SR A1A and at the Aquatics Center.

Mr. Hernandez said they are considering a possible temporary expansion of the sidewalk with barriers from the garage on the northern side of Las Olas Boulevard. That area will not be open until approximately September, 2019. The barriers may affect the businesses closer to the beach on the northern side, so they are looking at options to allow some kind of motorized traffic. Chair Lee suggested using the free electric carts after December 20, 2018.

Mr. Hernandez stated they are considering using Banyan Street from Seabreeze Boulevard to SR A1A as a connection for pedestrian/bike traffic. Mr. Yaari recommended that humans direct traffic, and Mr. Hernandez assured the board they are working with all City departments to facilitate traffic.

Chair Lee requested that the point person from Transportation and Mobility attend the BRB meetings and be accountable for all transportation issues at the beach. Mr. Hernandez said that he and Tom Green would be the two people.

Ms. Smith complained that the traffic circle closes every year for about two months for the boat show, but there is no warning. She expressed concern about what would happen when the garage is there. Mr. Hernandez agreed that it happens every year.

Mr. Morris stressed that the CRA staff is in “constant communication” with City staff and understands the concerns. Chair Lee said the board is not in that loop, but Mr. Morris disagreed, saying staff will come back with the new plan on paper. He will also talk to the board about wayfinding. At this time, there are no carts that can take people from the garage to the beach, and they are making sure the pedestrian walkway from the north side of the garage to the sidewalk is clearly marked. The sidewalk will remain open for the businesses.

Mr. Lalwani spoke about cars making illegal U-turns in front of his business and feared it would become worse when the garage opens. He did not want his property to become a place for police to stake out illegal turns, since it hurts his business. He asked if they could make the U-turns legal. Mr. Morris stated he would have a transportation engineer take a look at the possibility. Mr. Hughes said it was not illegal when he first moved to the area.

Mr. Hernandez commented that U-turns create safety issues for cyclists and pedestrians, but he will present the information to traffic safety and transportation.

Mr. Lalwani said that cars also cut through his property, creating a safety hazard. Mr. Hernandez cautioned that they may have to close access points to parking lots to make it easier for pedestrians to walk.

Chair Lee recommended that all the board members walk and drive the area after December 20, 2018, to better understand the issues.

Mr. Hernandez discussed the concerns relating to home rule and ride-share companies. He suggested that the board advocate for home rule so the City can help regulate what does and does not work.

In response to a question by Mr. Hughes, Mr. Green stated that there will be lane closures with a flag person when the fins are installed. There will also be activity on Las Olas Circle for storm drain work plus some milling/paving.

Mr. Yaari said that the construction woes are the price of progress, and they should keep their eyes on the prize.

Mr. Hughes commented that scooters on SR A1A have been racing each other and trying to hit pedestrians. He asked if moving the trees into a straight line will make it easier for the scooters to go faster. Chair Lee advised that the City Commission was taking this up as an agenda item and asked Mr. Morris to send the meeting information to the board.

Mr. Morris said the design concern is the separation between vehicles and cars; they had not anticipated the scooters when the project was being designed. It will have to be worked out separately.

Mr. Hernandez shared his experiences with bike-sharing and dock-less scooters in Washington, D.C. He asked everybody to manage their expectations.

Mr. Morris advised that unless the City Commission directs otherwise, staff will move forward with the present Streetscape design, since a vehicular threat is more significant than a threat from a scooter.

Mr. Morris clarified that part of moving money in the budget was to cover the change order discussed earlier in the meeting.

## **V. Communication to City Commission**

Chair Lee asked if there was an update on the request to extend the life of the CRA. Mr. Morris responded that the City Attorney has been asked to reconsider the timeline concerning when the CRA funds have to be spent. Whatever the decision is, the CRA will move forward with the County and propose an agreement to allow the CRA to spend the money after the CRA sunsets.

Mr. Morris also commented that the previous Communication to the City Commission to continue funding the TIF portion for beach maintenance would be a General Fund question. He suggested that the board remind the City Commission of that desire at some point.

**Motion** by Chair Lee, seconded by Mr. Yaari, that the board recommends that the monies usually contributed to the CRA by the City for the TIF continue in some fashion so that money going forward can be used for maintenance, specifically on the beach and these projects. In a voice vote, the motion passed unanimously.



## VI. Old/New Business

Mr. Yaari thanked Chair Lee for her contributions to the board over the years. Chair Lee expressed her appreciation and discussed her history on the board.

Chair Lee gave her “closing remarks,” in which she told the board they should be proud of their accomplishments. She admonished them to keep the vision alive. Chair Lee then expressed her gratitude to Mr. Morris, Mr. Green, and the staff for their perseverance and patience.

Chair Lee advised that a marketing group be put together to determine and fulfill marketing for the beach area (what it is named, etc.). Mr. Morris said they will bring that idea to the BID in the near future for discussion.

Mr. Morris expressed his appreciation to Chair Lee for her dedication and service. He said she has had a big impact on the board and the staff. He added he was happy that so many board members have stayed on the board for so long and have seen the projects through.

Chair Lee hoped there would be a big celebration when the garage lights and fins are finished. She asked that the board do a walk-through of the garage in January.

- **Tentative Dates for January Meeting**  
Wednesday, January 23 @ 3-5:30pm  
Tuesday, January 29 @ 2-5 pm

Mr. Morris said there is business to be discussed at the next meeting, so a walk-through would have to be arranged at another time.

Mr. Morris advised that the actual sunset date for the CRA is September 30, 2020. Mr. Yaari wanted to add a discussion of the Super Bowl and construction timeline to an upcoming meeting.

**Motion** made by Mr. Yaari, seconded by Mr. Bengochea, to have the next meeting on January 23, 2019 at 3:00 p.m. In a voice vote, the motion passed unanimously.

Chair Lee invited resident Art Seitz to the podium.

Mr. Seitz stated he serves on the Bicycle Pedestrian Advisory Board for Broward County and said that despite the City and County voting for the A1A Greenway, nothing has been done on it. He thought the MPO has cheated eastern Fort Lauderdale out of billions of dollars. It would only cost \$35,000 to get the project shovel ready.

Mr. Seitz talked about bicycle-friendly lanes in other places, but said the ones in Fort Lauderdale are sub-standard and dangerous. He also said they need a pier.

Ms. Maus agreed with Mr. Seitz's comments about the bike lanes.

Hearing no further business, the meeting was adjourned at 4:00 p.m.

[Minutes transcribed by J. Rubin, Prototype, Inc.]



**DRAFT  
SPECIAL MEETING  
BEACH REDEVELOPMENT BOARD (BRB)  
100 NORTH ANDREWS AVENUE  
CITY COMMISSION CHAMBERS  
FORT LAUDERDALE, FL 33301  
Monday, January 4, 2019, 2:30 P.M.**

<b>MEMBERS</b>	<b>FEB 2018/JAN 2019</b>				
	<b>REGULAR MTGS</b>		<b>SPECIAL MTGS</b>		
		<b>Present</b>	<b>Absent</b>	<b>Present</b>	<b>Absent</b>
Thomas B. McManus, VC	P	4	4	4	1
Vincent Ang	P	0	0	1	0
Art Bengochea	P	5	0	3	0
Jason Hughes	P	6	2	4	1
Monty Lalwani	P	2	1	3	0
Christian Luz	P	6	2	3	2
Kristen Maus	P	5	0	3	0
Tim Schiavone	P	6	2	5	0
Shirley Smith	P	8	0	5	0
Aiton Yaari	A	5	3	3	2

**Staff**

Don Morris, Beach CRA Manager  
 Lizeth DeTorres, Administrative Aide  
 Enrique Sanchez, Deputy Director, Parks and Recreation  
 Thomas Green, Project Manager, Beach CRA  
 Chijioke Ezekwe, Beach CRA  
 John Herbst, City Auditor

**Guests**

Frank Longo, Skanska

**Communications to City Commission**

**I. Call to Order and Determination of Quorum – Thomas McManus**

Vice Chair McManus called the meeting to order at 2:30 p.m.

**Quorum Requirement**

As of this date there were 10 appointed members to the Board, which means 6 would constitute a quorum. It was noted there was a quorum at the commencement of the meeting.

**II. Funding Request for Temporary Restrooms Facilities – Donald Morris, AICP, Beach CRA Manager**

Mr. Morris advised that permanent restroom facilities will be open at Oceanside in October 2019, and the ones at DC Alexander Park will be open sometime in 2020. One of the reasons they want temporary restrooms is that beachgoers are going into hotels and businesses to use the restrooms. The City thought the restrooms should be open by Spring Break in order to accommodate the large crowds.

Enrique Sanchez, Parks Deputy Director, distributed images of the restroom units. They have already bid out for the units and have hard prices on them. They have requested two units. Each is a three-stall restroom trailer: one ADA stall and two regular ones. He showed photos of how the trailers have been wrapped in other areas.

The funding request is for \$250,000 – this would cover the units and operations for a year, including cleanout, pump-out, utilities, loading, and the wrap. The City would cover any overages through the General Operating Fund.

Mr. Morris explained how the project would meet their second CRA goal: “Provide for a mix of land uses that will foster family activity and recreation in the Central Beach area, and provide opportunities for the expansion of tourist-related facilities and activities.” He stated that the units would also enhance the resort image of the beach, as detailed in the CRA’s first objective. One of the costs is for an attendant.

Mr. Morris said this cost can be funded through a \$250,000 budget transfer from the cash investment income, not from other projects.

The project will go to the City Commission on January 8, 2019, and the budget transfer will also occur on that day.

Mr. Sanchez said they are considering putting the trailers at the same spot where the permanent restrooms will be located: Las Olas Boulevard and SR A1A; and 5 Street and SR A1A (by DC Alexander Park - not on the pavers, and close to the fence). The bottom of the garage was suggested as a location. The restrooms would be open eight hours a day, adjustable to demand.

Mr. Sanchez described the contents of the handout.

After the park is complete, the trailers could be moved to another location in the CRA until the CRA sunsets since they were purchased, not leased. After the CRA sunsets, the City will do what they want to do with them.

Discussion ensued about where to put the trailers, and Oceanside lot was suggested. Mr. Morris said they can look into that and bring back information, but the critical item at this time is to get them ordered.

It was mentioned that the Spring Breakers will not walk up to DC Alexander Park just to use the restroom. The fence could be moved back at the Oceanside lot and the restroom installed there. It was also noted that these restrooms are very nice compared to porta-potties.

Echoing previous comments, Mr. Ang said that the restrooms need to be in a conspicuous spot. He confirmed they need electricity.

Mr. Lalwani expressed his excitement at the project, and said he would give two of the parking spots on his lot to put the trailer. He was assured the locations would be temporary.

There will be signs directing beachgoers to the restrooms, which will be air-conditioned.

Ms. Maus preferred the plain look to the wrapped look. She was concerned that having the entrances on the two sides might limit where it could be placed.

Mr. Morris explained that the operating cost is for a year, but between March of 2020 and when the CRA sunsets, there may be another funding request for six months. He reiterated that after the CRA sunsets, the City is ready to take on the operating cost.

Vice Chair McManus recommended that the signage be informational.

Ms. Smith expressed concern that the restrooms would be open only for eight hours. It was pointed out that between 3:00 p.m. and 8:00 p.m. is the busiest time on the beach, and Mr. Morris reminded the board that they can adjust the hours to meet the demand.

Discussion ensued on the hours that the beach is open and when the restrooms might be needed, with it being pointed out that many locals walk or run in the morning. Mr. Morris believed that in the hours after dusk, people will not be at the beach to lay out on the sand and will probably not be needing a restroom.

Mr. Sanchez advised that if the restrooms are successful, they might be able to locate funding other than through the CRA to purchase more units.

Mr. Schiavone suggested asking initially to have the restrooms open the same hours as the lifeguard operations, which would be 9:00 a.m. to 6:00 p.m.

In response to a question, Mr. Sanchez said that there are no attendants in restrooms in the parks. There is a contractor who comes in once a day; the restrooms on the beach have more services per day. In areas where the temporary restrooms have been

piloted, the research said that having an attendant is crucial to their success, since they are not as sturdy as a permanent structure.

It was mentioned that in Austin, the city discontinued the attendant after two weeks. \$100,000 a year for temporary bathrooms would be questionable. Mr. Morris commented that the request came from the current City Manager and he assumed that included an understanding that the City would take a degree of ownership. He added that over the next 18 months, they will be able to determine the need for an attendant. Mr. Sanchez recommended that the board make their decision under the assumption that an attendant will be needed.

Mr. Morris confirmed that all the cost figures were for two units.

It was suggested that one attendant would be sufficient for both the units; he could go back and forth. If that did not work, they could hire a second attendant.

Mr. Schiavone recommended that the hours of the attendant be explored on an “as needed” basis, not to commit to a full-time basis.

It was also mentioned that, in time, the City could rent the units out and recoup their costs.

Mr. Morris stated that the restrooms will be temporarily placed until the permanent ones are built. However, once that occurs, the CRA will want to use them in other locations (until the CRA sunsets) since the CRA paid for them.

**Motion** made by Mr. Schiavone, seconded by Mr. Luz, to approve the purchase of the two units and the budget to support its maintenance and operation for \$250,000 with the understanding that the CRA will be informed on their locations. The hours of operation should be concurrent with the lifeguards’ hours. In a voice vote, the motion passed unanimously (9-0).

### **III. Request Funding of Change Order for the Las Olas Boulevard Corridor Improvement Project – Thomas Green, Beach CRA**

Mr. Morris recalled there was confusion about this item at the last meeting and this presentation is provided for clarification.

Mr. Green mentioned that Frank Longo, Project Executive for Skanska was present to help answer any questions.

Mr. Green began his PowerPoint presentation with aerial photos of what the change order entails. He said the CRA was seeking an additional \$1.5 million to put into the Skanska contract. The money is broken down into three major categories:

1. Owner-directed upgrades

- Life-safety or operational enhancements for the garage
    - Site security for the garage (emergency blue light phones, call boxes, security cameras on the exterior of the garage)
    - Mr. Morris explained that the Police Department is increasing security cameras in high-traffic areas and came to the CRA after the Guaranteed Maximum Price (GMP) was approved
  - \$1 million dollars
2. Festival Street
    - Raise elevation of the street to blend into the park for events
    - Install removable traffic-rated bollards
  3. Operational Enhancements
    - Will have some financial contribution from the BID
    - Digital touch screen Smart Boards with advertising for the area
    - Will include information on real-time tram schedules
    - Additional parking counts on roof areas
    - Digital signage on the north side of the garage for available parking spaces per level

Mr. Green continued, noting there are some items that fall into an “Unforeseen” category such as hurricanes, lost time, utility disconnects, and FP&L impacts. There were other items that could not be “reasonably inferred” from the construction documents or from site investigation such as finding an abandoned lift station that had to be demolished. Another discovery was 16–18 inches of asphalt that had to be dug up and refilled.

Mr. Green requested a recommendation from the BRB to proceed with these expenses to go forward to the City Commission in February, 2019.

Mr. Morris stated that the money was moved into the project, but has not yet approved to be spent. He emphasized that the money did not come from other projects.

Mr. Longo said it was not uncommon to find an unexpected depth for slabs or asphalt. It is typically the engineer’s responsibility to determine the depth.

Mr. Schiavone wanted to find out how to avoid this type of surprise in the future. It was noted that Skanska bid on the plans that were provided. Mr. Green added that they would bid on a reasonable expectation such as the asphalt being three to four inches.

Mr. Morris explained that the delay from Hurricane Irma did not affect the project directly, but since it affected the rest of the State, FP&L’s priority was the rest of Florida. He and the City Manager and others called FP&L to get to the site, but they were informed that FP&L’s priority was to get power turned on for the rest of the State, not get power turned off for the project site.

When the garage project started, interior security cameras were planned, but not exterior ones. Mr. Green pointed out two locations where they will have license plate readers. Mr. Morris explained further that they consulted City departments that they thought would have input, but they did not consult the Police Department because they did not anticipate any comments from them about a park. A representative from the Police Department informed them that they are trying to make every place in the City safer, including parks. Mr. Morris said the cameras will also be part of the design for DC Alexander Park.

Ms. Smith did not see the value in the bollards, but Mr. Morris argued they are necessary to protect the lives of people at the venue. The cost of the bollards is approximately \$330,000 and site security is \$600,000.

The BID is covering the capital cost for the Smart Board, and the CRA is just paying for the installation and electrical. A two-sided touch screen will be located in the garage, and a single-sided touch screen at the Oceanside Park mounted to the side of the Visitor Center. Regarding advertising, Mr. Morris clarified that someone from the Public Affairs Office will be asked to approve the content on the sign, but it will not be actual advertisements.

Vice Chair McManus wanted to see more details of the line item, hopefully at another meeting later in the month.

In response to a question by Mr. Luz, Mr. Green said the vendor for the count system in the garage is Eco Lighting. The cost is around \$260,000.

Mr. Hughes noted that there is no sidewalk for people to walk out of the garage. He feared pedestrians and scooters would be hit. Mr. Green there may be an opportunity for that feature. Every point of egress from the garage has a sidewalk, but there is no sidewalk at the ramp. Mr. Morris said they will look into the matter, possibly adding signage to encourage people to walk elsewhere – they do not want pedestrian/vehicular conflict.

In response to a question, Mr. Morris explained the Ambassador program. It was suggested that one Ambassador stand at the spot in the garage where people are walking out and directing them to another exit.

Mr. Morris said that the enhancements they will be voting on are not frivolous, but necessary. He added that the costs also cover enhancements to the Oceanside lot, because it is part of the same project.

The BRB members shared their experiences and opinions on construction projects and security.



Mr. Schiavone expressed concern that the parking count board might be damaged in a hurricane, and he also suggested an app that would cover all parking throughout the City. Mr. Green said the data from the receptors in the garage are transmitted to the City's Transportation group, and they are getting a third-party vendor that will push out the data onto a platform they choose. It could go onto an app.

The cost for the actual design of the project was about \$4.5 million, which is included in the total \$50 million. The change order will extend the Skanska contract from 26 months to 29 months. Mr. Morris said the CRA has been working on the project for 10 years and had a number of renditions of the parking garage.

**Motion** made by Mr. Bengochea, seconded by Mr. Schiavone, to accept the change order as submitted by staff. In a voice vote, the motion passed unanimously (9-0).

#### **IV. Communication to City Commission – None**

#### **V. Old/New Business**

Mr. Morris asked the board if they wanted to meet again this month, and the consensus was against it.

**Motion** made by Mr. Hughes, seconded by Mr. Lalwani, to cancel the January 23, 2019, meeting. In a voice vote, the motion passed unanimously.

They will do a walk-around or trolley ride through the CRA and the project area for the February meeting, date to be announced. Also on that agenda will be the election for a new Chair.

Mr. Morris advised there will be another joint meeting with the PRBAB to review revised designs.

Hearing no further business, the meeting was adjourned at 4:04 p.m.

[Minutes transcribed by J. Rubin, Prototype, Inc.]

#### Attachments:

Images of restroom units – Enrique Sanchez

PowerPoint presentation on change orders – Thomas Green

# THOR GUARD LIGHTNING PREDICTION & WARNING SYSTEMS

PROPOSAL TO:

**FORT LAUDERDALE**

**THOR GUARD CHIEF METEOROLOGIST**

**Jake Swick**

**THOR GUARD NATIONAL SALES MANAGER**

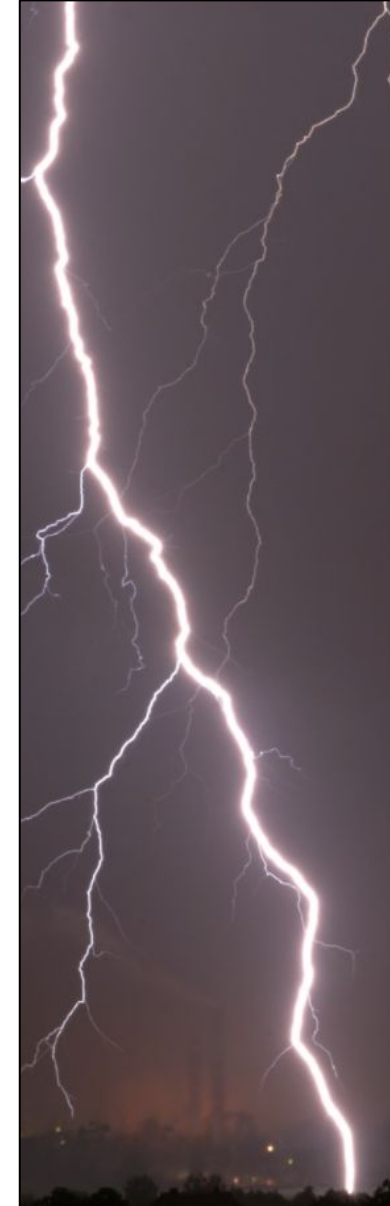
**Pat Bennett**

Thor Guard is designed to detect and most importantly **PREDICT** lightning by measuring the static electricity in the atmosphere and monitoring how much energy is building and changing **BEFORE** lightning occurs. All other lightning systems or methods can only detect lightning and warn you **AFTER** lightning has struck nearby.

Lightning detection systems and their networks leave you vulnerable to late warning of first strikes and waiting 30 minutes after the last strike. *Since every thunderstorm is unique*, only a Thor Guard Lightning Prediction System can alert decision makers to danger before it occurs.

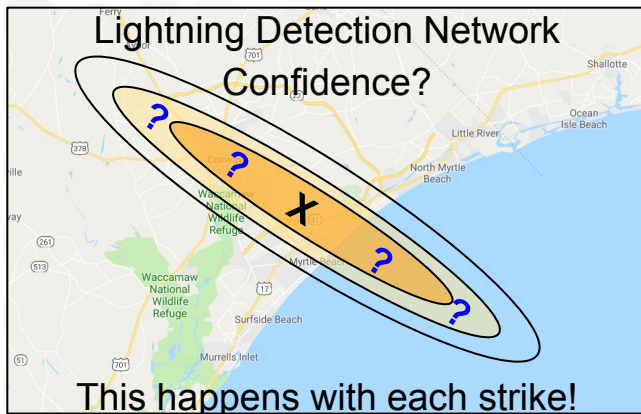
You can't control the lightning, but you can control how **PROACTIVE** you are when everyone's safety is in your hands. Don't be reactive like a detection system because...

**EVERY THUNDERSTORM HAS A FIRST STRIKE!**



# DETECTION VS. PREDICTION

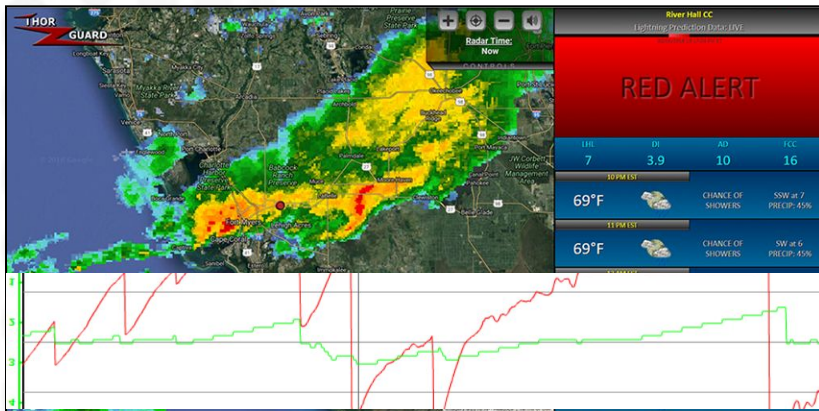
## DETECTION DANGERS



Lightning Detection Networks require multiple sensors reporting data as fast as possible to servers not at your location to triangulate the data, *re-sell the data* and then tell you where the lightning was AFTER it has already struck.

But the problems that cell phone networks have are very similar to the problems that lightning detection networks have. Dropping calls or showing you in the wrong location is a result of the connection having an issue or one of the towers not picking you up. In the case of detection networking, the confidence ellipse (left) that estimates the location of a lightning strike can become huge when the slightest issue occurs.

This means the network thinks that lightning struck in that area, but isn't 100% sure, so the center of that huge area is determined to be the location of the strike. What if it's wrong and the strike wasn't 1 mile away, but was really at one of the question marks 5 to 10 miles away or more?! Then you are stopping your outdoor activities based on a guess.





## PREDICTION POSITIVES

**Our Lightning Prediction Systems take out the guesswork by doing all of the millisecond calculations at each system's site. Then we display this extremely valuable information *only to you* in an easy to understand display increasing confidence for those making the decision to keep everyone safe.**

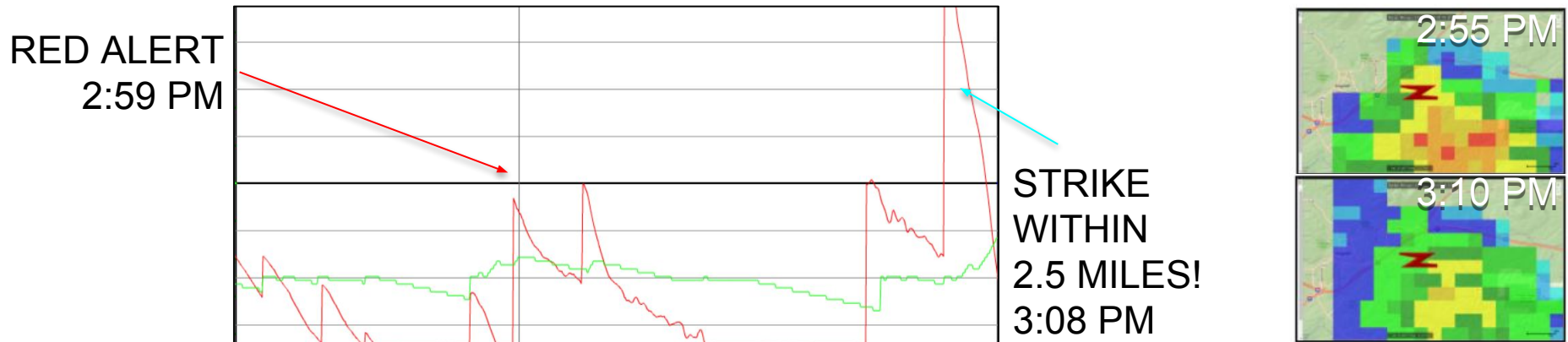


# TYPICAL LIGHTNING SCENARIOS

 Warning <b><u>BEFORE</u></b> Lightning Strikes Within 2.5 Miles Of Your Area	 Warning <b><u>AFTER</u></b> Lightning Strikes Within 2.5 Miles Of Your Area	Thor Guard Lightning Prediction System	Lightning Detection System	30/30 Rule
Large Area of Storms 10 miles Away Obviously Aiming for My Site.....				
First Storm Pops Up 10 miles Away and is Aiming for My Site.....				
First Storm Pops Up 6 miles Away and is Aiming for My Site.....				
First Storm Pops Up 2 miles Away and is Aiming for My Site.....				
First Storm Pops Up at My Site.....				
Storms 10+ Miles Away Create a Bolt Out of the Blue Strike Onsite....				
Large Area of Rain with Random Lightning every 30 Minutes.....				

## REAL WORLD EXAMPLE #1

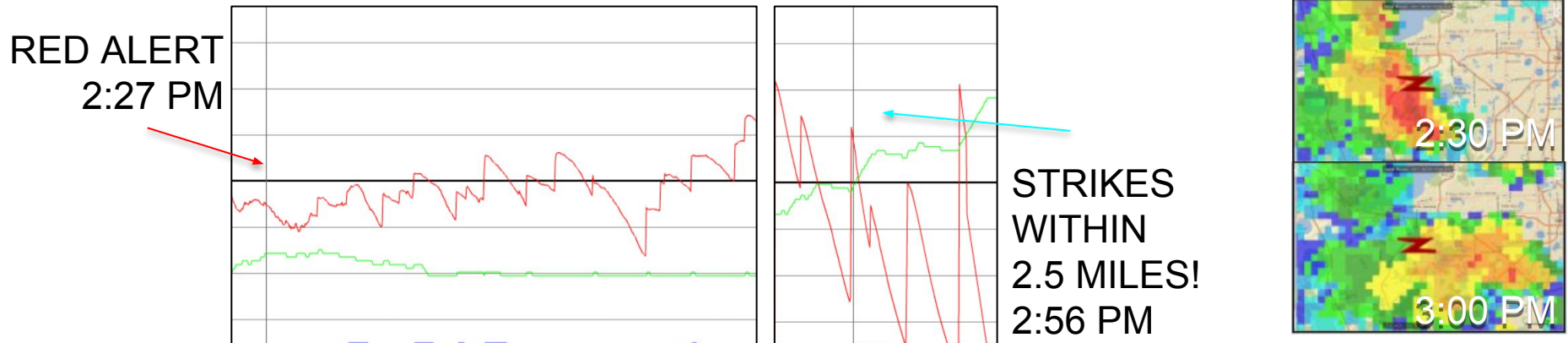
Thor Guard in **RED ALERT** 9 MINUTES BEFORE first and only strike!



In the example above, the red line represents the energy the Thor Guard measures. At 2:59 PM, the Thor Guard system in Arizona went into **RED ALERT**. As you can tell on the radar imagery at 2:55 PM, the 'shower' was stronger than it was by 3:10 PM. However at 3:08 PM, the *first and only strike* heard by Thor Guard personnel in this area occurred. This means that not only can a Thor Guard detect lightning, but more importantly **PREDICT** lightning 9 MINUTES BEFORE it happened. Any other lightning warning system would have simply warned you a few moments after that lightning strike discharged very close by!

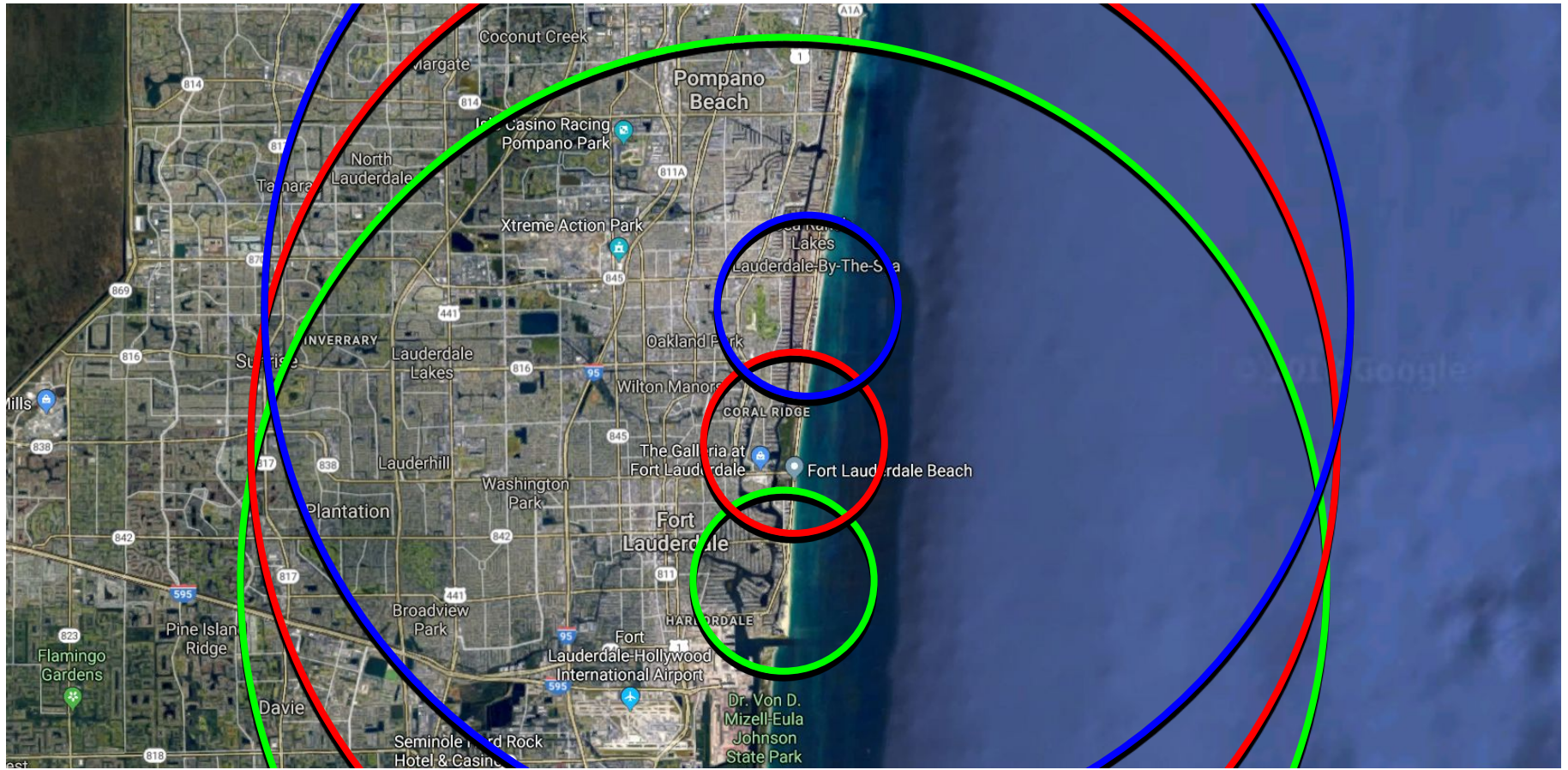
## REAL WORLD EXAMPLE #2

Thor Guard in **RED ALERT** 29 MINUTES BEFORE strikes within 5 miles!



In the example above, the red line represents the energy the Thor Guard measures. At 2:27 PM, the Thor Guard system at this location in Florida went into **RED ALERT**. Although the radar imagery at 2:30 PM shows the heaviest part of the storm near the Thor Guard's location, it was simply a heavy downpour with very distant rumbles. Then as it got closer to 3:00 PM the center of the storm moved farther away, but the lightning actually got closer since it was trailing behind. By 2:56 PM lightning began to get very close to this location again showing the Thor Guard's ability to detect and **PREDICT** the threat of lightning - in this case giving 29 MINUTES warning time.

# LIGHTNING SENSITIVITY RADIUS



Even though our systems can detect lightning out to 20+ miles, for your facility we can set your lightning prediction outer range (LHL) to 10, 12 or 15 miles and warn you when the inner range (DI) sees enough energy changing within 2 or 2.5 miles to predict the threat of lightning before it happens.



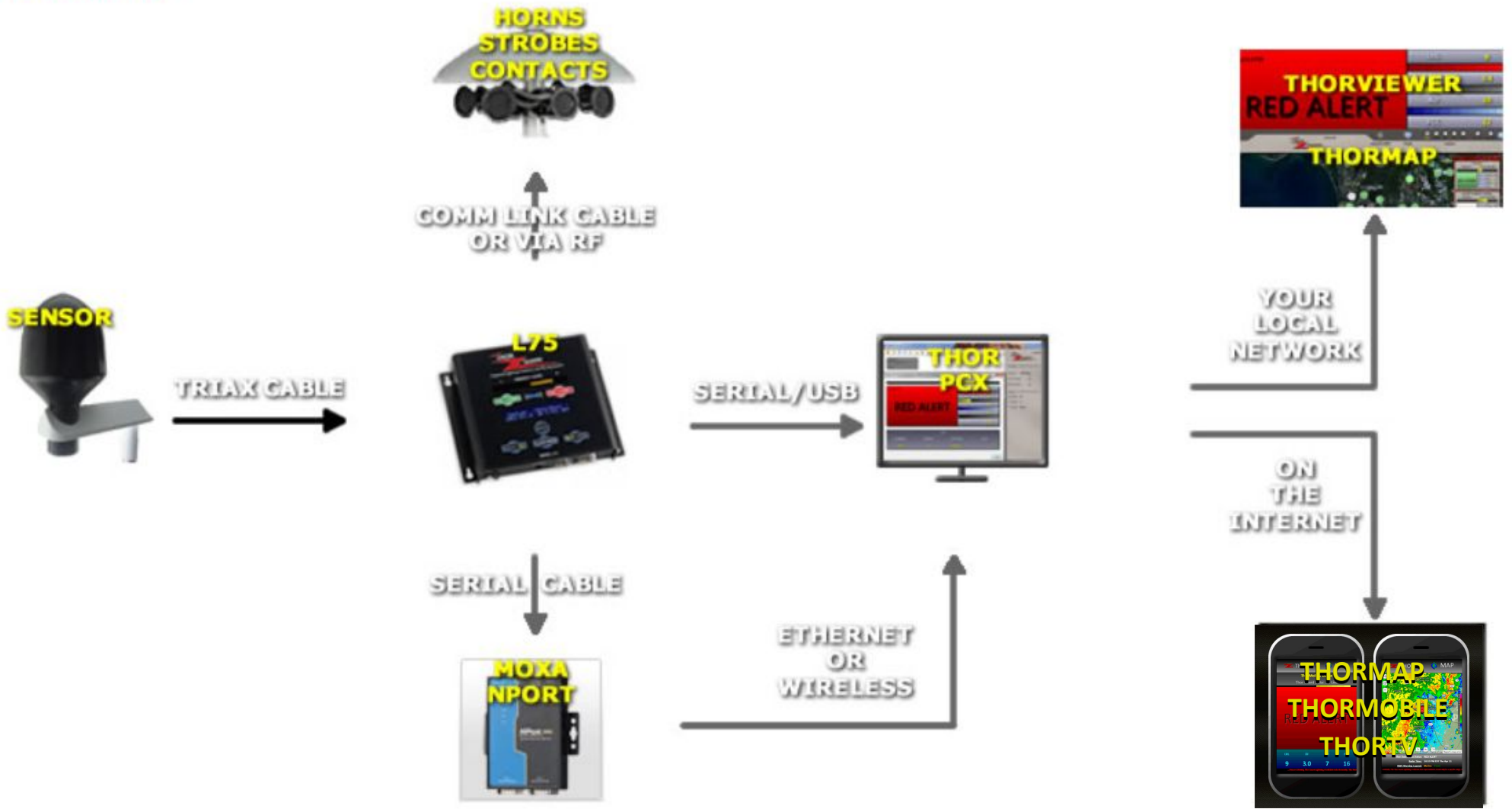
# LIGHTNING SENSOR INSTALLATION IMAGES



Our Lightning Sensors do not always have to be on the tallest building or object onsite, but need to have the best possible view of the sky in order to be able to accurately monitor the static electricity changing in the local atmosphere.



# INFORMATION PROCESS TREE



<http://www.thorguard.com/customer/>

# DATA INTERPRETATION

**ALERT STATUS CONDITION**  
**All Clear** – DI 0.0...Area is safe.  
**Caution** – DI 0.0-2.3...Be alert, the atmosphere may be in flux.  
**Warning** – DI 2.4-2.9...The energy is changing in the atmosphere, but it may be passing by. Monitor the DI value.  
**Red Alert** – 3.0+...Safety is compromised.

**TEST – Diagnostic Test**  
 Status as of the last 24/hr test.  
**(P)** – Passed  
**(F)** – Failed (sensor needs cleaning)  
**(C, D, E, H)** – System malfunction. Contact Vendor.  
**( )** – Power was reset in last 24 hours.

**LHL – Lightning Hazard Level**  
 Percentage chance of lightning / amount of energy within your outer range (default is 12 miles)

**DI – Dynamic Index**  
 Percentage chance of lightning / amount of energy change within your inner range (default is 2 miles)

**AD – Activity Detector**  
 Time since last discharge / lightning strike. Will count down from 10. At zero, an All Clear will be signaled.

**FCC – Field Collapse Counter**  
 This represents the number of discharges within outer range (default is 12 miles). A quickly increasing number may indicate a fast approaching storm.

**ThorPCX** is software that installs on a Windows-based PC or Server. It is the core software that handles all THOR GUARD data. **ThorPCX** receives incoming data from your THOR GUARD system usually via a directly connected Serial/USB cable. **ThorPCX** can automatically archive storm data files for later review, send automatic email and text alerts, uploads your data to your ThorMobile/ThorTV/ThorMap website to provide all of your THOR GUARD Sensor data to any of our many software display products.



<http://www.thorguard.com/customer/>

**THORMOBILE**



**WE HAVE LIVE DEMOS OF BOTH SOFTWARE PRODUCTS ONLINE...GO TO THE LINK BELOW!**

**THORTV**

LHL	DI	AD	FCC
7	3.9	10	16

Time	Temp	Chance of Showers	Precip
10 PM EST	69°F	CHANCE OF SHOWERS	SSW at 7 PRECIP: 45%
11 PM EST	69°F	CHANCE OF SHOWERS	SW at 6 PRECIP: 45%
12 AM EST	69°F	CHANCE OF SHOWERS	SW at 6 PRECIP: 45%
1 AM EST	68°F	CHANCE OF SHOWERS	WSW at 5 PRECIP: 35%
2 AM EST	68°F	CHANCE OF SHOWERS	WSW at 5 PRECIP: 35%

<http://www.thorguard.com/software/>

This Quote includes the 3 Sensors, 3 L75R Lightning Prediction Systems, 3 Base & 6 Remote Horn Clusters, 9 Strobe Lights and ThorPCX/ThorMobile/ThorTV Software!

3 Thor Guard L75R Lightning Prediction Systems	\$	21,600.00
3 Voice of Thor Base Horn Clusters & Drivers	\$	10,800.00
6 Voice of Thor Remote Horn Clusters	\$	20,520.00
9 Outdoor LED Strobe Lights	\$	2,700.00
6 30 Watt Solar Panels	\$	2,100.00
ThorPCX Software Suite with ThorMobile / ThorTV / ThorMap	\$	2,686.50
Permits: Opening and Closing Estimate	\$	3,600.00
3 Uninterruptible Power Supplies and Battery Backups	\$	750.00
Lightning Posters and Information Packets	\$	FREE
Installation Hardware	\$	1,600.00
Installation Estimate	\$	12,600.00
<b>TOTAL (USD)</b>	<b>\$</b>	<b>78,956.50</b>

All Thor Guard Software is included in the price above for 1 year, then \$1500/year after.  
Any applicable custom/state/local taxes and/or fees may not be included.

**A COUPLE OF TESTIMONIALS**



**PRAIRIE DUNES COUNTRY CLUB**

4812 East 30th  
HUTCHINSON, KANSAS 67502  
(620) 662-0581  
FAX (620) 662-6653

March 7, 2018

Mr. Robert Dugan  
Thor Guard Inc.  
1193 Sawgrass Corporate Parkway  
Sunrise, FL 33323

Mr. Dugan,

As the General Manager of a mid-west destination golf club in the middle of tornado alley, I can assure you there are many days I spend wondering how weather might impact our operation. Pop-up thunderstorms are a way of life in Kansas and getting everyone off the course safely is a priority. Until recently we relied upon weather apps and looking out the window to determine if we should blow the siren sometimes based on the judgment of an inexperienced Assistant Golf Professional. It's a wonder no one has been killed over the years.

Our affiliation with Thor Guard began with a conversation with one of my members that works with the USGA on several of their national events. His familiarity with your Chief Meteorologist, Jake Swick, the Thor Guard system, and the fact that the USGA put their trust in Thor Guard made it an easy decision to proceed in that direction. With Jake's assistance and support material it was an easy sell to our Board of Trustees. Within about a month Thor Guard was up and running just in time for our busy season.

It's one thing to have a lightning detection system, it's another thing to have a lightning detection/prediction system with credibility. After the first couple of alerts and all-clears the members realized Thor Guard could be trusted to give them ample warning of pending weather, and clearance when the threat had dissipated, while at the same time taking the responsibility off the Pro Shop staff. Winner!!

I am happy to recommend the Thor Guard system as it has been a great addition for our facility. From beginning to end it's been a wonderful experience.

Sincerely,

Scott Nelson  
General Manager  
Prairie Dunes Country Club



*Developing Golf's  
Next Generation*

**American Junior Golf Association**

1980 SPORTS CLUB DRIVE • BRASELTON, GA 30517 • (770) 868-4200 • AJGA.ORG • A 501(c)(3) NONPROFIT ORGANIZATION

August 7, 2013

Mr. Robert Dugan  
President  
THOR GUARD, Inc  
1193 Sawgrass Corporate Parkway  
Sunrise, FL 33323

Dear Bob:

As the Chief Operating Officer for the American Junior Golf Association (AJGA) I am pleased to highlight a successful partnership we've shared with THOR GUARD, Inc. for our lightning prediction equipment needs since 1998.

Because of THOR GUARD, our staff of 20+ Tournament Directors has complete confidence in knowing when to evacuate the golf course due to pending inclement weather. In running 102, National junior golf tournaments, we need a lightning detection system that we can trust. THOR GUARD is that and more.

Please pass along a special thank you to Larry Buchwald, our territory manager. Larry's dedication, time and expertise at a moment's notice has always been invaluable to our staff.

I am always pleased to recommend with confidence THOR GUARD, Inc. and your lightning prediction equipment products. Thank you for your continued support of the American Junior Golf Association and junior golf.

Sincerely,

Mark Oskarson  
Chief Operating Officer, AJGA

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Palm Springs, California

Paul E. Weathington, Esq.

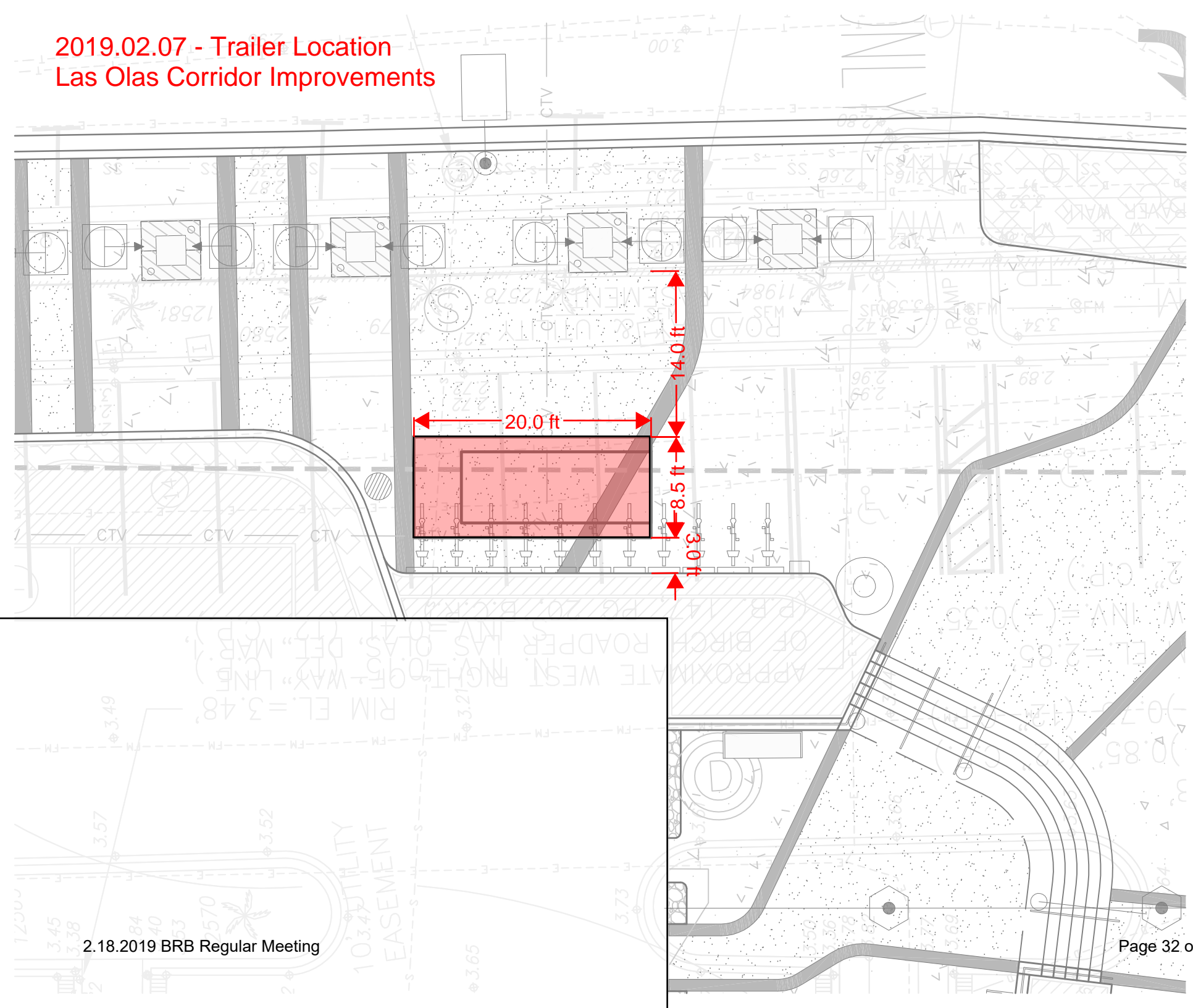
Atlanta, Georgia

**EXECUTIVE DIRECTOR**

Stephen A. Hamblin

Alpharetta, Georgia

2019.02.07 - Trailer Location  
Las Olas Corridor Improvements



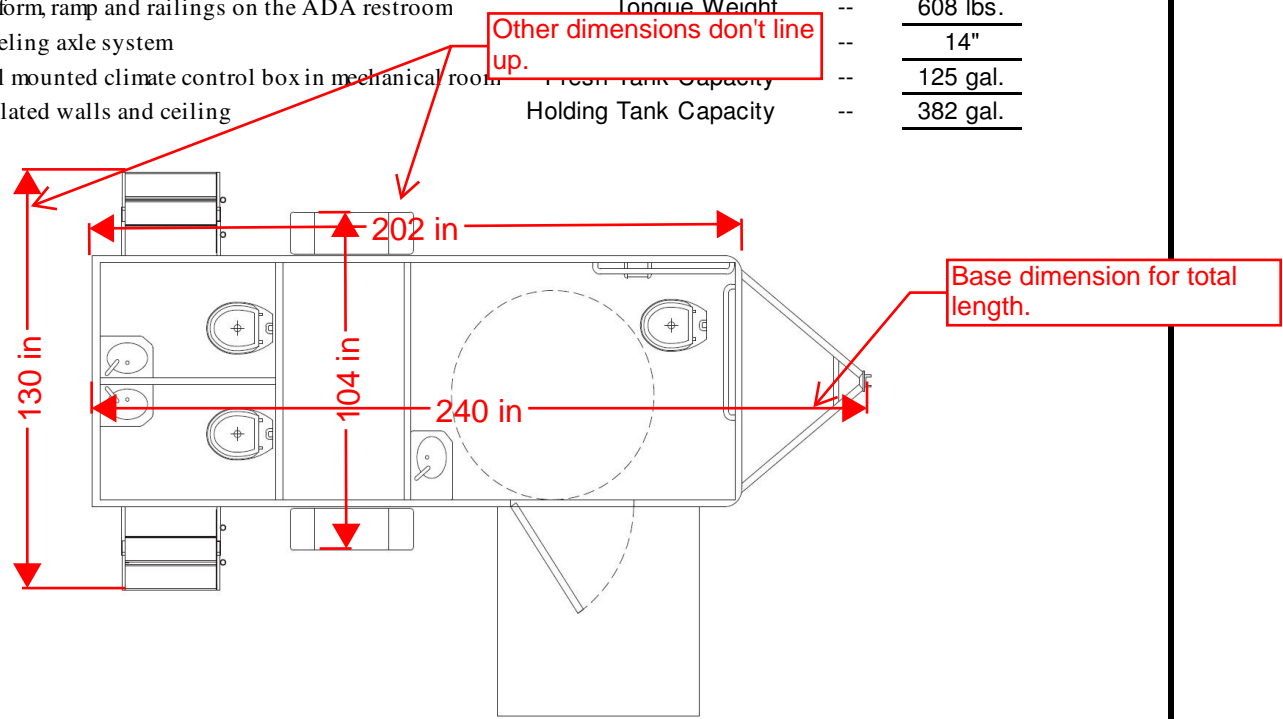


Alpha ADA+2 Restroom Trailer

**Standard Features**

- Solid surface countertops with stainless steel sinks
- Self-closing faucets
- Soap dispensers
- Shatterproof mirrors
- Ceramic China pedal flush toilets
- A pressurized tank toilet in the ADA with grab handles
- Toilet paper holders
- Paper towel dispenser and waste baskets
- Smooth durable white fiberglass interior
- 1 Piece non-skid rubber flooring
- Ceiling with built in air supply and air return
- Automatic door closers and occupancy lighting
- 1 Piece aluminum roof
- 12 Volt LED lighting
- Screwless exterior perfect for your business graphics
- Porch lights at all entry doors
- Removable aluminum steps swing away with grab handles
- 3" quick connect waste tank access valve
- LED waste tank indicator
- 3/8" HDPE extrusion welded tanks
- 1" wash out plug
- Fresh water hook up
- 30 amp marine-style power cord
- Roof mounted Air Conditioner w/ heat strip
- Insulated walls and ceiling
- Platform, ramp and railings on the ADA restroom
- Kneeling axle system
- Wall mounted climate control box in mechanical room
- Insulated walls and ceiling

Box Width	--	<u>72"</u>
Overall Width	--	<u>102"</u>
Box Length	--	<u>192-3/4"</u>
Overall Length	--	<u>240-3/4"</u>
Interior Height	--	<u>82"</u>
Overall Height	--	<u>122-3/4" w/ AC</u>
Curb Weight	--	<u>5028 lbs.</u>
Tongue Weight	--	<u>608 lbs.</u>
	--	<u>14"</u>
Fresh Tank Capacity	--	<u>125 gal.</u>
Holding Tank Capacity	--	<u>382 gal.</u>





PROPOSED  
LOCATION FOR  
TEMPORARY  
BATHROOM



