



1015 Cultural Park Blvd.  
Cape Coral, FL 33990

## **AGENDA**

### **Transportation Advisory Commission**

|                          |                |                                 |
|--------------------------|----------------|---------------------------------|
| <b>February 19, 2020</b> | <b>9:00 AM</b> | <b>Conference Room<br/>220A</b> |
|--------------------------|----------------|---------------------------------|

- 1. Meeting called to order**
  - A. Chair Gunter
- 2. ROLL CALL**
  - A. Carioscia, Coviello, Gunter, Welsh, Williams, and Alternate Cosden
- 3. CHANGES TO AGENDA/ADOPTION OF AGENDA**
- 4. APPROVAL OF MINUTES**
  - A. Meeting Minutes - January 15, 2020
- 5. PUBLIC INPUT**
- 6. BUSINESS**
  - A. Proposed Signature Cape Coral Parkway Bridge - Carolyn Conant
  - B. Surplus Toll Agreement - Persides Zambrano, Public Works Planning and Permitting Manager
  - C. MPO Issues - Persides Zambrano, Public Works Planning and Permitting Manager
- 7. OLD BUSINESS**
  - A. UEP Update - Kevin Higginson, Utilities Extension Manager
  - B. Alleyway Paving Design Update - Stephanie Smith, Design and Construction Manager
  - C. Bernice Braden Park - Mark Ridenour, Facility Projects Manager; Stephanie Smith, Design and Construction Manager
  - D. Median Landscaping Projects Update - William Corbett, Traffic Engineer

## **8. MEMBERS COMMENTS**

## **9. Time and Place of Next Meeting**

- A. The next Transportation Advisory Commission meeting will be held on Wednesday, March 18, 2020, at 9:00 a.m. in Conference Room 220A.

## **10. Motion to Adjourn**

In accordance with the Americans with Disabilities Act and Florida Statutes 2.86.26, persons needing a special accommodation to participate in this proceeding should contact the Human Resources Department whose office is located at Cape Coral City Hall, 1015 Cultural Park Boulevard, Cape Coral, Florida; telephone 1-239-574-0530 for assistance, if hearing impaired, telephone the Florida Relay Service Numbers, 1-800-955-8771 (TDD) or 1-800-955-8700 (v) for assistance.

If a person decides to appeal any decision made by the Board/Commission/Committee with respect to any matter considered at such meeting or hearing, he will need a record of the proceedings, and for such purpose, he may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is based.

|               |                     |
|---------------|---------------------|
| Item Number:  | 4.A.                |
| Meeting Date: | 2/19/2020           |
| Item Type:    | APPROVAL OF MINUTES |

**AGENDA REQUEST  
FORM**  
CITY OF CAPE CORAL



**TITLE:**

Meeting Minutes - January 15, 2020

**SUMMARY:**

**ADDITIONAL INFORMATION:**

**ATTACHMENTS:**

**Description**

- ▢ Meeting Minutes - January 15, 2020

**Type**

Backup Material

**MINUTES FROM THE REGULAR MEETING OF THE  
CAPE CORAL TRANSPORTATION ADVISORY COMMISSION (CTAC)**

**Wednesday, January 15, 2020**

**Conference Room 220A**

**9:00 a.m.**

Meeting called to order by Chair Gunter at 9:00 a.m.

ROLL CALL: Chair Gunter, Commission Members Carioscia, Coviello, and Welsh were present. Commission Member Williams and Alternate Commission Member Cosden were excused.

Also Present: Paul Clinghan, Public Works (PW) Director  
Persides Zambrano, PW Planning and Permitting Manager  
Kevin Higginson, Utilities Extension Manager  
William Corbett, PW Traffic Engineer  
John Castle, PW Senior Project Manager  
Steve Henry, MPO Citizens Advisory Committee Member  
Maureen Buice, Public Information Specialist

**APPROVAL OF MINUTES**

**Meeting Minutes – November 20, 2019**

***Commission Member Carioscia moved, seconded by Commission Member Coviello, to approve the minutes from the November 20, 2019 meeting, as presented. Voice Poll: All “ayes.” Motion carried.***

**PUBLIC INPUT**

None.

**NEW BUSINESS**

**Election of Chair and Vice Chair**

Chair Gunter opened the floor for nominations for Chair and Vice Chair.

***Commission Member Carioscia moved, seconded by Commission Member Coviello, to have John Gunter as Chair and to have Lois Welsh as the Vice Chair. (There were no other nominations). Voice Poll: All “ayes.” Motion carried.***

**Review and Rescheduling of the 2020 CTAC Meeting Dates  
in May, July, and December**

Chair Gunter discussed that the 2020 CTAC Meeting Dates needed to be reviewed as there were two dates that were during the summer and winter Council hiatus as follows:

- May 20, 2020 meeting will remain as scheduled
- June 17, 2020 meeting date moved to June 10, 2020
- December 16, 2020 meeting date moved to December 9, 2020

***Commission Member Carioscia moved, seconded by Commission Member Coviello, to move the June meeting for CTAC to June 10<sup>th</sup> and the December meeting to move that to December 9<sup>th</sup>. Voice Poll: All “ayes.” Motion carried.***

PW Planning and Permitting Manager Zambrano stated she noticed that the July meeting needed moving.

PW Director Clinghan stated the first regular Council meeting after hiatus was July 20, 2020. He suggested that the CTAC meeting currently scheduled for July 15, 2020 be moved to July 22, 2020 after the Council returned from hiatus.

Manager Zambrano stated the June meeting was moved due to the beginning of hiatus and the July meeting needed to be moved one week later. She noted there was no MPO meeting in July.

***Commission Member Welsh moved, seconded by Commission Member Carioscia, to move the July meeting to July 22<sup>nd</sup>. Voice Poll: All “ayes.” Motion carried.***

**MPO Issues – Persides Zambrano, Public Works Planning and Permitting Manager**

PW Planning and Permitting Manager Zambrano reported the following MPO Issues:

- Proposed draft agenda items for Joint Lee-Charlotte-Punta Gorda MPO
- Proposed Del Prado/I-75 Interchange Connection
- Interchange on Tuckers Grade and one on SR-78
- Federal Highway Rules midpoint between those
- Upstream and downstream interchange
- Dynamics of Cape Coral estimated population to be almost 400,000 at build-out
- Concept and development – Babcock Ranch
- Issues with rural area
- Charlotte County and Lee County want interchange
- Analysis of interchanges on I-75 and options
- Burnt Store Road improvements
- Carolyn Conant will be presenting at the next CTAC meeting – ideas about Cape Coral Bridge replacement

Chair Gunter inquired about the interlocal toll agreement.

Director Clinghan responded that he would have the information at the next CTAC meeting. He discussed the 30-year agreement and Staff working with Legal.

Chair Gunter inquired if there would be meetings with Lee County.

Director Clinghan responded in the affirmative, adding if they are willing to participate.

Commission Member Coviello requested a copy of the agreement.

Director Clinghan responded he would provide it.

Discussion held regarding the length of the interlocal toll agreement and gas tax.

Manager Zambrano stated that item would be on the next meeting Agenda after Ms. Conant's presentation.

Commission Member Carioscia inquired about the projected final completion date of Burnt Store Road.

Manager Zambrano responded that the timeframe was still pending with project developmental and environmental studies. The Tropicana segment expected completion in 2022.

Steve Henry, Member of the Cape Coral MPO Citizen Advisory Committee, stated that the studies were showing full construction completed by 2030-2031. He was monitoring the completion and studies.

## **OLD BUSINESS**

### **UEP Update – Kevin Higginson, Utilities Extension Manager**

Utilities Extension Manager Higginson reported that the paving was approximately 95% completed, several miles were scheduled for paving this month, and project should be completed in February.

Commission Member Carioscia inquired about how much the rainy season impacted the UEP.

Manager Higginson responded that for 2019 there were less delays than in 2018.

Public Works Director Clinghan mentioned that the main concerns and drawbacks were the manpower and materials.

Chair Gunter requested that there be an ongoing Agenda item for monthly UEP updates.

**Cape Coral Parkway Update – William Corbett, Traffic Engineer**

Traffic Engineer Corbett mentioned that this was a follow-up and presented the following slides:

- Cape Coral Parkway Traffic Update
- Signal Timing Adjustment
- Signal Timing Adjustment (cont'd)
- Signal Timing Adjustment (signal at Del Prado running at a 50/50 cycle)
- Data Collection
- Travel Time Summary
- Final Recommendation – Staff does not recommend implementing any changes to the signal timing and recommends maintaining the recently optimized signal timing. Critical issue – bottleneck at bridge.
- Questions

Commission Member Coviello inquired as to whether the timing from Del Prado Boulevard was studied, in comparison to the issues on Cape Coral Parkway.

Engineer Corbett responded that a study could be conducted and noted that it was a County road. He explained the traffic signal 50/50 optimization with Cape Coral Parkway.

Discussion held regarding:

- Identifying the main issue – bottleneck on Cape Coral Parkway – bridge crossing
- Improvements to McGregor – may have impact during peak hours
- Cape Coral Parkway removal of parking spaces study – not a constructive solution
- 10-year Projection Model Future Study
- Model with long range transportation planner to estimate projections on when we may need to perform capacity improvements
- At what point would the Cape Coral Bridge no longer be viable?
- Solutions for the bottleneck – additional expansion eastbound – bridge widening, enough right of way to have three through lanes in each direction
- Colonial Bridge eastbound bottleneck on Summerlin – flyover ideas
- Overpass solution studies underway to improve capacity and improve congestion
- Next level - Carolyn Conant's presentation – major changes
- MPO Level updating long-range transportation plans
- Lee County meetings about east/west corridor
- History of transportation improvements
- Lanes history on Cape Coral Parkway and changes made to improve travel time

Chair Gunter inquired about the possibility of increasing the length of turn lanes from eastbound Cape Coral Parkway to Del Prado Boulevard.

Engineer Corbett responded that the item would be presented to CRA in February and presentation to Council would be estimated in March/April. Once approved, Staff would get the design completed, put together a construction plan, put it out to bid, and then back to Council for issuance of the construction contract.

Chair Gunter preferred the timeframe to be before next November.

Engineer Corbett responded that the November timeline could be possible.

**Chair Gunter inquired if there were any studies on the traffic signal improvements such as a flyover. He requested to review scenarios of flyover improvement of traffic patterns and three lanes both eastbound and westbound, particularly on Del Prado Boulevard and Cape Coral Parkway. The backup data could be useful.**

Engineer Corbett responded that Staff would work with the County and obtain models. He would discuss with MPO and planners to be sure it was in line with the 2045 Plan.

Manager Zambrano mentioned that the CRA objected to the flyover about 15 years ago.

Discussion held regarding:

- Cape Coral changes over the years
- Need to make improvements
- Dialogue and discussion for improvements with County
- Issues need to be addressed on the bridge, McGregor and Summerlin Boulevard
- Prepare models for back up information

**Engineer Corbett responded that Staff would need about three months to coordinate with the County and MPO to prepare and build the models and plan on presenting the study results in three months.**

***Consensus agreed to the above recommendation, with no objections.***

Commissioner Welsh inquired about the time for the new bridge.

Manager Zambrano and Engineer Corbett responded Westbound about 7 years and Eastbound about 25 years.

**Adopt-A-Median Process Review**  
**William Corbett, Traffic Engineer**

Traffic Engineer Corbett discussed the handout distributed at the meeting as follows:

- Final Changes
- Plantings and design shall match approved median landscape design templates
- City would furnish and install approved recognition signage in adopted median
- Contributions toward Adopt-A-Median project, based on value of improvements



- Projects over \$100,000 to be discussed on project-by-project basis
- City shall be responsible for maintaining any and all landscaping

Director Clinghan requested direction from the CTAC regarding maintenance. Questions arose regarding whether the City would take over medians already adopted or take over the medians that are adopted from here moving forward. The cost for approximately 16 cul-de-sacs and 1.5 miles was about \$61,000 per year.

Commission Member Carioscia suggested concentrating on the abandoned medians.

Commission Member Coviello suggested to take over the medians going forward.

Chair Gunter suggested that there be wording in the Ordinance that if at any time the individual does not continue maintaining the median, then the City would take over the responsibility. If Council wanted to modify the cost range, it could be done with a Resolution.

Director Clinghan discussed the cost range and negotiations structure.

Discussion held regarding:

- The Westin meeting and contribution process
- Possible improvement of SW 9<sup>th</sup> Terrace to El Dorado Parkway

Engineer Corbett mentioned that he met with Lauren and Nicky C. from The Westin.

Chair Gunter inquired about when the Ordinance would be presented to Council.

Engineer Corbett responded that it could be at the first meeting in March.

***Commission Member Carioscia moved, seconded by Commission Member Coviello, to approve the final changes on the chart presented (Adopt-A-Median). Voice Poll: All “ayes.” Motion carried.***

Discussion regarding the Median Landscaping Improvement 5-Year Plan:

- Posting project status on City website
- Staff would verify that the information has been posted on the website

**Bernice Braden Park Preliminary Design Layout**  
**William Corbett, Traffic Engineer**

Engineer Corbett presented the draft Bernice Braden Park Landscape Palm Addition plans as follows:

- Location Map – foot of Cape Coral Bridge
- Create entry feature to enhance appeal of Cape Coral
- Improvements such as landscaping, multi-use and walking paths throughout park
- Plans created incorporating existing features as well as proposed features

Commission Member Carioscia inquired about lighting.

Engineer Corbett responded additional lighting was not an included feature.

Discussion followed regarding lighting:

- Additional lighting would enhance features
- Seven years from now Westbound span of bridge to be worked on
- Construction may infringe on new features – placement and features need to take that into account
- Red, White and Boom staged in that area on July 4<sup>th</sup> each year

Director Clinghan responded that Staff would present the cost estimations at the February CTAC meeting, and analyze the cost to add lighting.

Discussion held regarding:

- Approximately \$150,000 sidewalks and paths
- Approximately \$70,000 additional palm trees
- Lighting costs
- Investigate the Lamar funds – approximately \$54,000 per year
- Larger sidewalk paths – Utilization of the Park
- Determining if sidewalks would be suitable at this time due to future construction
- State land which is managed by Lee County and maintained by the City

Chair Gunter suggested considering that in seven years the area will be redesigned. He discussed his concerns with allocating funds to the sidewalks pending future construction which would eliminate the sidewalks. He agreed with the landscaping and lighting features.

Discussion held regarding:

- Promoting now for the future
- Features that can be done and moved during construction

Commission Member Welsh suggested that this item be tabled for next month along with the bridge presentation.

Engineer Corbett updated that the footprint for the impact for the new bridge construction was not identified and the State and County were working on the procurement of a consultant for 2021 to begin the design process.

Discussion held regarding:

- Public parking
- Making enhancements to draw more people to the park, however, if no parking available, this may become an issue
- Posts at the park were installed to deter nuisance parking on the grass
- No public parking – only for Chamber building and not open to public

Chair Gunter requested that the topic be brought back next month when questions can be answered. It may not be a park but more of an entry-way enhancement to the City.

Commission Member Welsh mentioned that there would be concerns with more traffic in the area.

Engineer Corbett will obtain answers to questions for next month's meeting.

### **Median Landscape Fund Balance**

Engineer Corbett presented Median Landscape Fund Balance distributed at the meeting.

- Funds available 10/1/2019 \$932,000
- Each fiscal year \$312,000 allocated toward Median Landscape Fund
- One-time reimbursement from FEMA \$1 million
- Total just over \$2.5 million
- List of project allocations since 10/1/2019 – Coronado Parkway, Del Prado Boulevard, Oasis Boulevard, additional palms in the CRA
- Replacement of 54 trees lost during Hurricane Irma
- Hancock Bridge Parkway plant revisions
- Landscape project for South – PO to be issued any day

Engineer Corbett stated the following projects are slated to be completed:

- Miscellaneous location of additional 26 trees lost during Hurricane Irma
- Bernice Braden Park
- Nicholas Parkway East
- Nicholas Parkway West
- Total cost for above projects - \$1.5 million
- Balance of \$1 million

Director Clinghan mentioned that the roads were being replaced and redone on Nicholas Parkway. He recommended that the funds be held in the kitty to replenish that median. The \$1 million from FEMA would be available for the reprioritization of remaining projects.

Engineer Corbett presented the handout of the Median Landscape Priority List – approved 2018 and the Median Landscaping Improvement Project Map as follows:

- Median Landscaping Improvement Project Map is the revised list currently endorsed by CTAC
- Six locations – of which three are remaining – Bernice Braden Park, Country Club Boulevard, and Vincennes Street
- \$1M could be used for Country Club Boulevard, Vincennes Street, and potentially Bernice Braden Park
- Chiquita Boulevard and Rose Garden Road were possibilities

Chair Gunter inquired about the area that The Westin had shown interest.

Engineer Corbett responded that The Westin was interested in the completion of SW 9<sup>th</sup> Terrace East to El Dorado Boulevard. The Westin already maintained approximately .7 miles from SW 9<sup>th</sup> Terrace to the western end of Rose Garden Road.

Director Clinghan responded that the City section would be approximately .77 miles which would be estimated to be \$350,000-\$425,000.

Discussion held regarding:

- Pelican traffic and landscaping
- Irrigation mains
- Pending Project Priority List – order of projects – destinations areas within the City

Chair Gunter stated that the destination areas within the City would be Chiquita Boulevard to Cape Harbour which was about .78 miles. Coronado to the Yacht Club was completed. The decision was to determine the next priority area and possibly redo the priority list.

Discussion held regarding:

- Destination areas
- Convention Center
- Chiquita Boulevard
- Country Club Boulevard

Director Clinghan clarified that Country Club and Vincennes would move down and Chiquita Boulevard would be next. Rose Garden Road was pending discussion with the Westin. What would CTAC recommend for City's participation?

Discussion held regarding:

- Rose Garden Road - \$350,000 - \$420,000; pending partnership with Westin Hotel
- Chiquita Boulevard - \$350,000 - \$420,000
- Rose Garden Road interest
- Outside gate Cape Coral Parkway to Pelican Boulevard and El Dorado Parkway to SW 9<sup>th</sup> Place on Rose Garden Road - maintenance
- Irrigation for Rose Garden Road
- Tarpon Point contribution

Engineer Corbett verified the priority list as follows:

- 1 and 2 Nicholas Parkway
- 3 Chiquita Boulevard (contribution with Adopt-A-Median)
- 4 Rose Garden Road (contribution with Adopt-A-Median)

Director Clinghan reiterated that Staff would return to the next CTAC with more information.

***Commission Member Coviello moved, seconded by Commission Member Carioscia, to update priority list as suggested. Voice Poll: All “ayes.” Motion carried.***

Chair Gunter clarified the priority list as follows:

- Hancock Bridge
- Nicholas Parkway 1 and 2
- Bernice Braden Park
- Rose Garden Road
- Chiquita Boulevard
- Country Club Boulevard
- Vincennes Street

Engineer Corbett discussed the remaining map – Themes Map.

- Rose Garden Road and Chiquita Boulevard
- Tropical theme
- Informational only
- Initial template

Director Clinghan requested direction on the maintenance and trimming of the approximately 200 palm trees and when the project should be conducted. He discussed that the County had a base service for Del Prado Boulevard.

Chair Gunter and Commission Member Coviello suggested waiting until April and the trees should be cut at least once a year by the County.

Discussion held regarding:

- City maintenance crew; outsourced crews
- Consideration of additional crews
- Landscaping median outsourced contractors
- Review of cost estimation for adding another crew – to be presented at the next meeting
- Coordinating trimming before placing new mulch for visual appeal

***Consensus agreed to wait until April for trimming.***

## **MEMBER COMMENTS**

Director Clinghan discussed the outages of the streetlight's magnitude in the City's GIS. Engineer Corbett displayed the City's GIS showing the City's inspection as follows:

- Green dots indicated lights working and red dots reflected the lights not working
- 15,602 total lights; approximately 4.2% outage; inspection 75% complete
- Maintenance process: reported to LCEC and LCEC fixes outage

Commission Member Coviello stated that the priorities for additional lights were:

- Schools, bus stops and intersections
- The Westin – could be included in Median Program

Engineer Corbett stated that the following regarding lighting:

- Schools were completed 2016
- Every year revisited with School District to review needs
- Major road intersections – working on and almost complete

Discussion held regarding:

- Bus Benches Pilot Program – lighting studies
- School Bus Benches study extended into January and February
- Terms of School District Survey – data collection completed last week
- CERT Volunteers with Fire Department working on City Survey with our parameters – continued after the holidays until January or February
- Staff would present results to the Council
- Staff will update CTAC with results
- Options of painting the City owned light posts – Cape Coral Parkway
- Painting the light posts to match ones on SW 47<sup>th</sup> Terrace – silver-gray color
- Staff to provide cost estimation – budget included \$200,000
- Test paint a few before committing
- Provide samples and costs at the next CTAC meeting
- Funding for painting of the poles from CRA funds

### **Time and Place of Next Meeting**

The next Transportation Advisory Commission meeting was scheduled for Wednesday, February 19, 2020, at 9:00 a.m. in Conference Room 220A.

### **Motion to Adjourn**

There being no further business, the meeting was adjourned at 10:47 a.m.

Submitted by,

Betty Castillo  
Assistant City Clerk

|                      |                  |
|----------------------|------------------|
| <b>Item Number:</b>  | <b>6.A.</b>      |
| <b>Meeting Date:</b> | <b>2/19/2020</b> |
| <b>Item Type:</b>    | <b>BUSINESS</b>  |

**AGENDA REQUEST FORM**  
CITY OF CAPE CORAL



**TITLE:**

Proposed Signature Cape Coral Parkway Bridge - Carolyn Conant

**SUMMARY:**

**ADDITIONAL INFORMATION:**

**ATTACHMENTS:**

| <b>Description</b>                             | <b>Type</b>     |
|--|-----------------|
| ▣ Proposed Signature Cape Coral Parkway Bridge | Backup Material |

# Rebuild Cape Coral Bridge (2028)

## Relieve Traffic Congestion, Increase Tourism & Quality of Life (Bike-Ped-Linear Park)



Helix Pedestrian Bridge, Singapore



Cape Coral Bridge



Acosta Bridge, Jacksonville, FL



Rainbow Bridge, Japan



## Cape Coral Bridge

Replace Only West-bound Span—  
(need to expand West bridge span for  
added width for bike-ped access)

- Pros:
  - Possibly less costly initially
- Cons: \_\_\_\_\_
  - Added cost to destroy old west bound span
  - Added cost and disruption in a few years to replace East-Bound bridge span.
  - No SIGNATURE bike-ped-linear park as tourist draw
  - No SIGNATURE bridge design
  - Need to expand width to accommodate bikes and pedestrians.
  - Possibly less safe bike-pedestrian accommodations on new bridge than a separate bridge.



# Cape Coral Bridge

## Keep One or Both Old Bridge Spans as Bike-Ped-Linear Park

- Pros:
  - BIKE-PED-LINEAR PARK will be a major tourist \$\$\$ draw
  - Adds park for both cities
  - Eliminate demolition costs for span
- Cons:
  - Additional initial cost for bike-ped-park layout.





# Value of Bike-Ped-Linear Park Conversion of Old Bridge Span(s): Increased Tourism, Quality of Life, Economic Development & Safety



High Line Bridge over  
Manhattan,

Hudson Bridge  
Conversion,  
Poughkeepsie,  
NY; Highland,  
NY



Seoul's Skygarden,



Continental  
Avenue Bridge  
in Dallas, Texas





# Cape Coral Bridge

## New SIGNATURE Bridge Replacing Both East & West Bound Spans

- Pros:

- *No need to replace East-Bound Bridge Span in a few years at additional expense and disruption.*
- *More cost effective than adding 1 span now and another in a few years*
- *Better overall design of signature bridge*

- Cons:

- Short-term possibly more expensive than adding only 1 western bridge span



## Analysis of Traffic Congestion Choke Points-- Flow of traffic to and from Cape Coral Bridge :

- Potential roundabout at Coronado & Cape Coral Pkwy. el Prado & Cape Coral Pkwy.
- Potential roundabout at Del Prado Blvd. & Cape Coral Pkwy.
- Roundabout versus existing flyover at McGregor Blvd.
- Potential roundabout at South Pointe Blvd. & College Parkway
- Potential roundabout at Winkler Road at College Parkway







Ribbon of Light, the 3,500-foot-long (approximately 1,100 metres) bridge will span the Los Angeles River

Ideas *If* Overpass Required From  
Cape Coral Bridge to Del Prado Blvd.





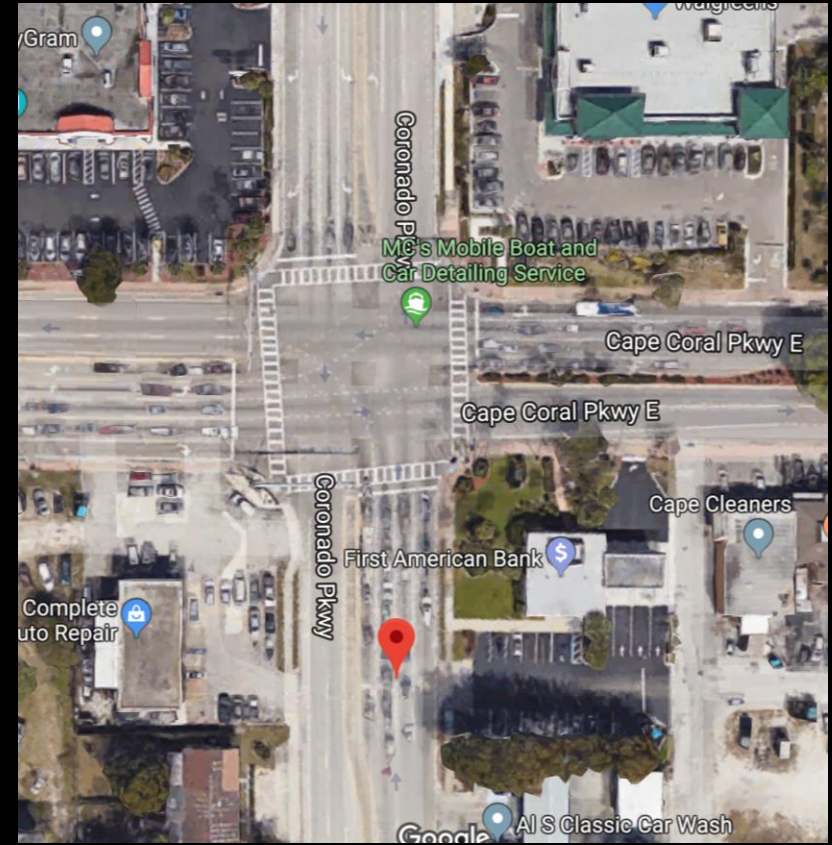
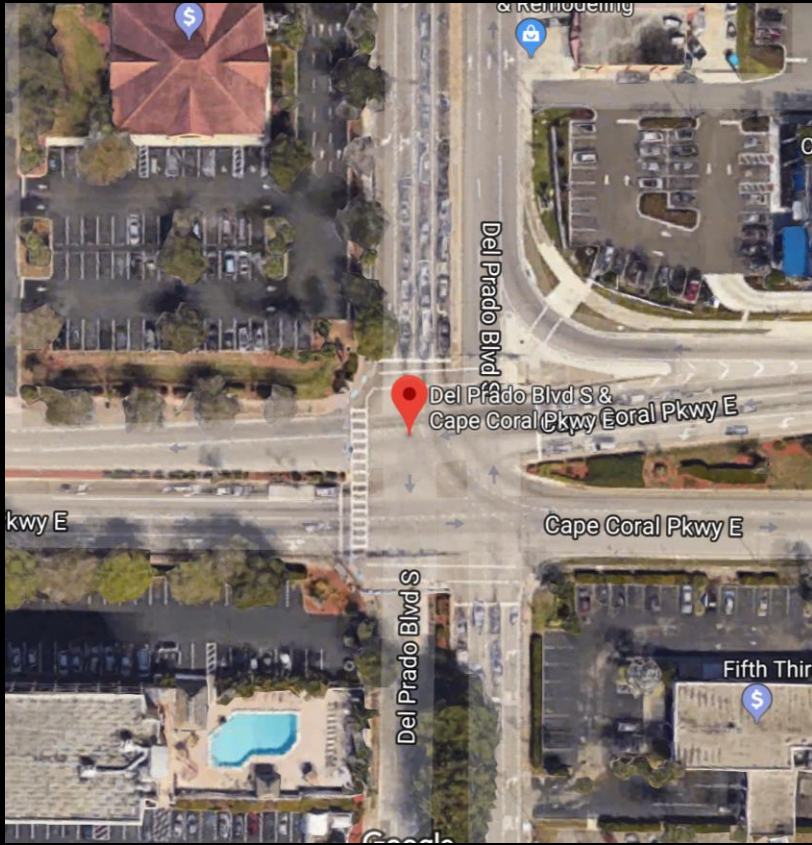
Eatery design concept under bridge/overpass



Boston is building public parks under bridge overpasses

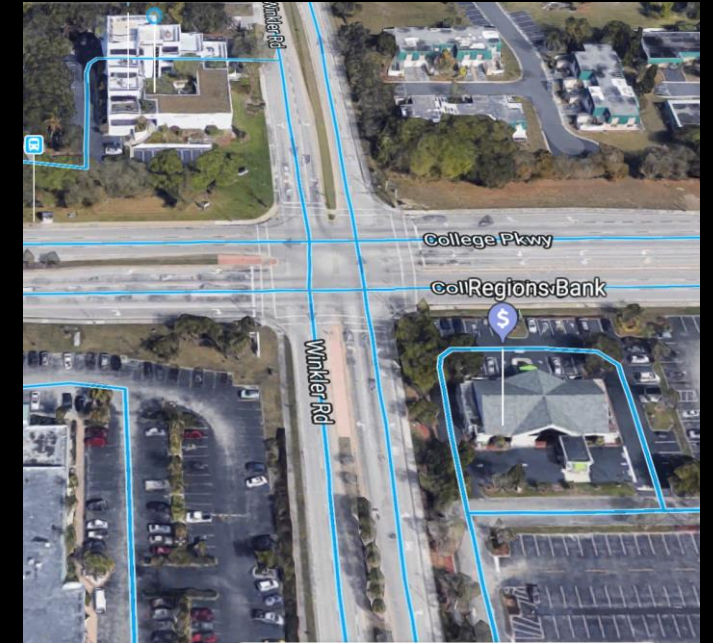
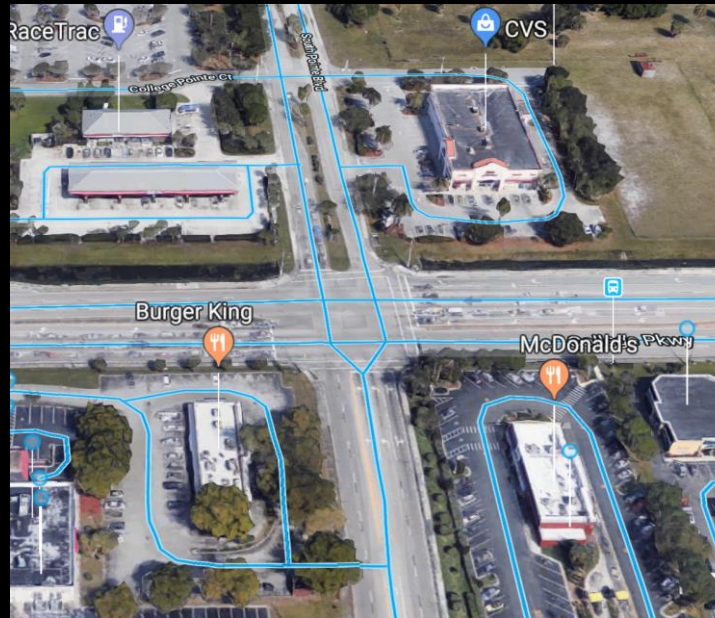
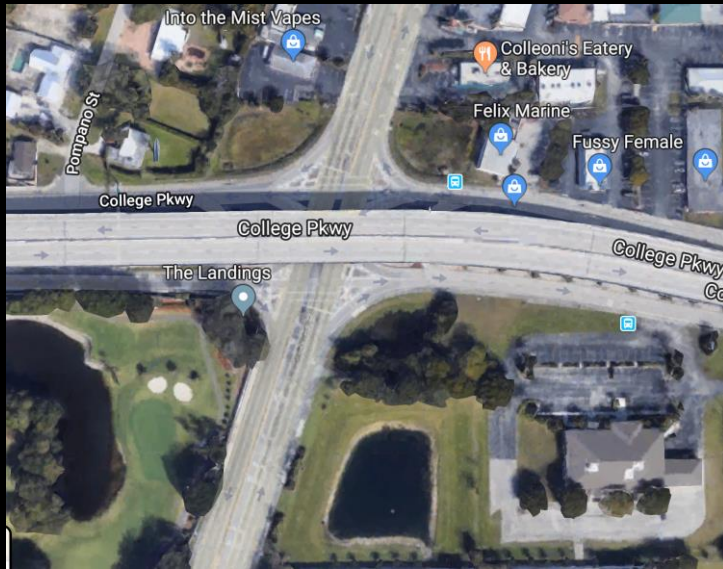
Concepts For Restaurants, Parks  
Under Overpasses/Bridges, *If* Required:





Cape Coral Parkway at Coronado & at Del Prado Blvd.





College Parkway at McGregor Flyover, South Pointe  
& Winkler Rd.

**Cape Coral Bridge:**  
**Access/Egress into Cape**  
**Coral & Fort Myers for**  
**Cyclist & Pedestrians:**

- Consider lighted underpass from old span north & south for cyclist/pedestrians
- Design bike-ped access as part of new bridge design





# Tourism: Signature Design Options

The Big Four Bridge over the Ohio River

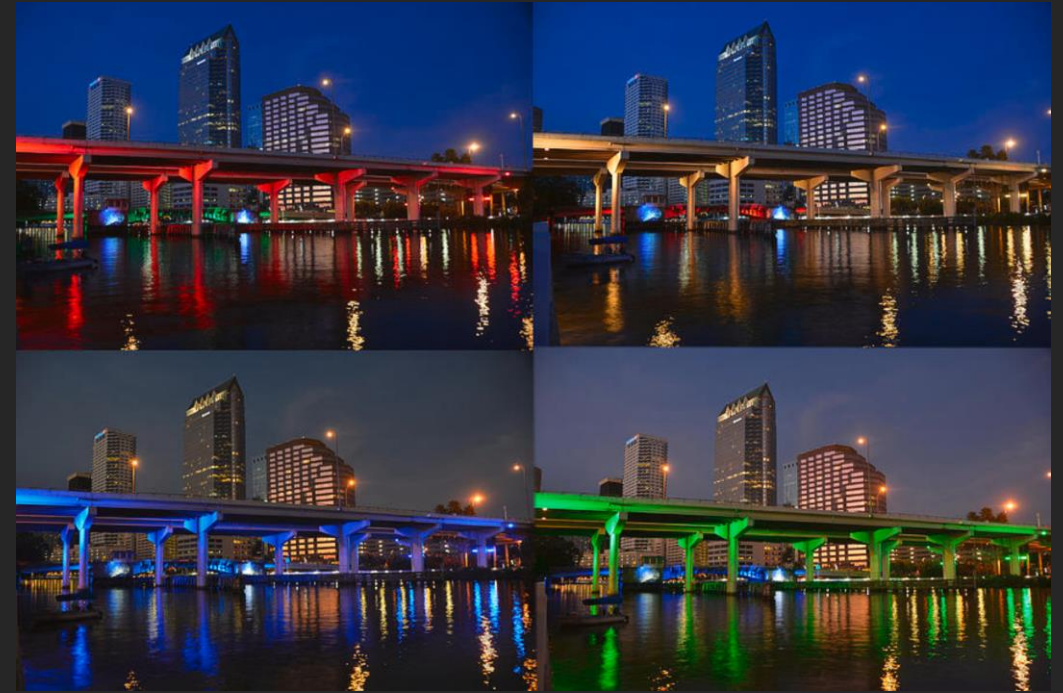


- Bike-Ped-Linear Park
- Lighted bridge(s) with Sound
- Greenway Trail addition in southern Cape Coral across bridge
- SIGNATURE Entrance to City of Cape Coral
  - Bike & pedestrian friendly entrance
  - Impressive entrance to city
  - Added landscaping and amenities
  - Safer, less congested entrance presents better image for city



## Value of Lighted Bridge/Sound:

- Memphis: Bridge lighting has given people a new reason to get down to the waterfront and enjoy the animation from the lights and the colors.
- Contributed to Memphis' sense of community, changing color in accordance with holidays,
- Really do get people to come and look at the installations, and that generates economic activity in waterfront areas—that sort of payback is a big reason why cities and people invest.



Tampa Bridge

The Big River Crossing is a part of a larger revitalization effort that will stem from the south end of downtown Memphis, where the Harahan Bridge begins, to West Memphis in Arkansas, across the river...

- Developers have already funneled \$55 million into overhauling a nearby train station into apartments, shopping, and a movie theater;
- The same state and federal grants that financed the bridge project are also supporting much-needed repairs to the streets and sidewalks that lead up to it.

## Value of Lighted Bridges/Sound (continued)

### The Bay Lights, (San Francisco) 2016:

- Has supported around 88 jobs and contributed \$10 million to the area's GDP,
- Around 50 million people (tourists and residents alike) were estimated to have seen the Bay Lights;
- Boost in tourism around the lights
- Economic impact of \$97 million.
- Nearby restaurants and hotels have profited, reporting as much as a 30% increase in business.
- Message about the city's commitment to sustainability, using 85% less energy than traditional lighting sources.

### The River Lights in the Rock project, which spans three of Little Rock, Arkansas' six bridges...The lights have:

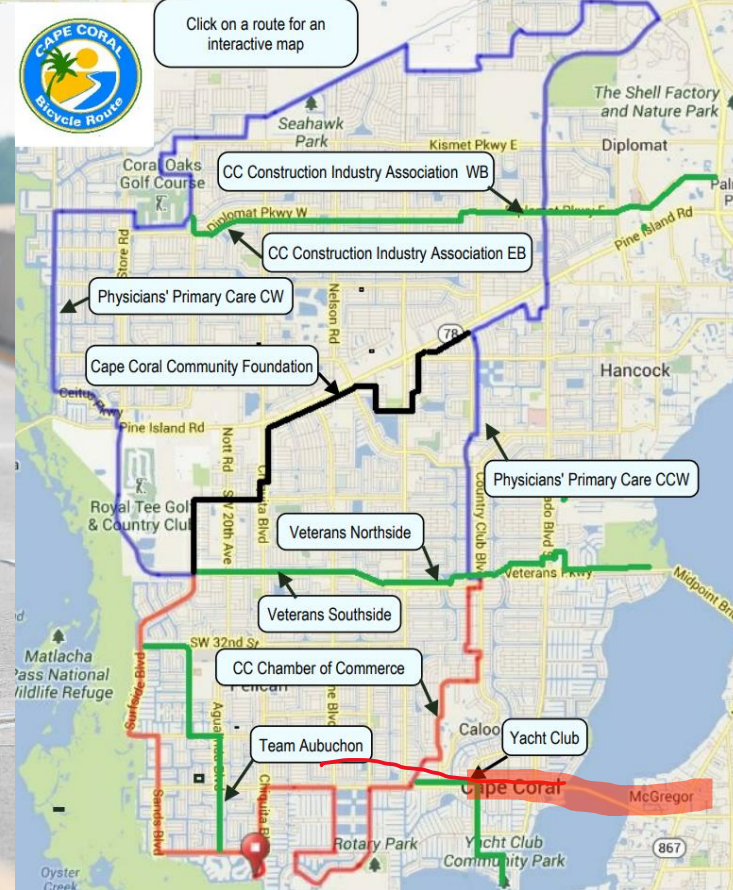
- Integrated the bridges into residents' recreation and exercise plans;
- Around 400 cyclists and pedestrians used the Clinton Presidential Park Bridge in one day,
- Strengthened the city's connection to its neighbor, North Little Rock.

[The Big Business of Bridge Lighting](#)



[Tampa Bridges](#)





# Greenway Trail-National Exposure

Opportunity to add southern link across Cape Coral Bridge to Greenway Trail network

## Value of SIGNATURE Entrance to City of Cape Coral

- **Symbol of the city**
- **Spectacular Waterfront Entrance**
- **Spectacular evening light display** brings people to downtown and city waterfront.
- **Emphasize our water wonderland city** with 400 miles of canals & spectacular river entrances
- **Bike-Ped-Linear Park--city friendly to bicyclist and pedestrians with** strong sense of family life
- **Translates to \$\$\$** for economic growth, tourism, quality of life and growth potential.



*The New Roosevelt Bridge in Stuart*



*MacArthur Causeway, Miami*



# Funding Value & Comparison

- Funding for Midpoint Bridge was \$150 M, including 4 –lane bridge and approaches from Del Prado Blvd. to Evans as 6-lane facilities with overpasses at Del Prado Blvd., McGregor Blvd. and US 41.
- Additional \$26 M for Veteran’s Extension to Santa Barbara as 6 lane facility
- Total Midpoint Bridge etc. roughly \$176 Million
- So, +/- \$250 M for Cape Coral Bridge and roadway improvements:
  - enhance entrance to City with new bridge;
  - conversion of old span(s) into bike-ped-park bridge;
  - keep up with doubling of Cape Coral’s population;
  - reduce traffic congestion;
  - enhance tourism;
  - Improve quality of life;
  - Enhance downtown redevelopment area;
  - keep up with growth and development on both sides of Lee County bridge.

Major county road projects (in 2019/20 CIP), budgeted & unbudgeted amounts

|  | Total Proj. costs<br>for projects in<br>FY 19-20 CIP | Funded Proj.<br>Costs (in<br>FY19/20 CIP) | project costs<br>delayed til<br>yrs. 6-10 | project costs<br>delayed til<br>yrs. 10-20 | Proj. costs<br>delayed til<br>yrs. 20-30 | TOTAL AMT<br>UNBUDGETED | % PROJ.<br>COSTS UN-<br>BUDGETED |
|--|--|---|---|--|--|-------------------------|----------------------------------|
| <b>Projects included in LRTP Cost Feasible Plan:</b> |  |   |   |  |  |                         |                                  |
| <b>Bridges:</b>                                      |  |   |   |  |  |                         |                                  |
| Big Carlos Bridge Replacement                        | 56,310,820   | 56,310,820                                |   |  |  | 0                       | 0%                               |
| Cape Coral Bridge Replacement                        | 108,100,000  | 9,000,000                                 | 99,100,000                                |  |  | 99,100,000              | 92%                              |
| Hickory Bridge replacements (combines 3)             | 50,982,000   | 4,266,000                                 | 46,716,000                                |  |  | 46,716,000              | 92%                              |
| Little Pine Island Bridge Replacement                | 3,385,000  | 0   |   |  | 3,385,000                                | 3,385,000               | 100%                             |
| Orange River Bridge Replacement                      | 2,420,000  | 0   |   | 2,420,000                                  |  | 2,420,000               | 100%                             |
| Alva Drawbridge Bridge Replacement                   | 17,890,000   | 0   |   | 17,890,000                                 |  | 17,890,000              | 100%                             |
| Harbor Drive Bridge Replacement                      | 2,040,000  | 0   |   | 2,040,000                                  |  | 2,040,000               | 100%                             |
| Stringfellow Bridge Replacement                      | 1,750,000  | 0   |   | 1,750,000                                  |  | 1,750,000               | 100%                             |
| Hancock Creek Bridge Replacement                     | 3,920,000  | 0   |   | 3,920,000                                  |  | 3,920,000               | 100%                             |
| Pine Island Road over Porpoise Creek                 | 360,000  | 0   |   | 360,000                                    |  | 360,000                 | 100%                             |
| Harbor Drive Bridge Replacement                      | 2,040,000  | 0   |   |  | 2,040,000                                | 2,040,000               | 100%                             |
| Pine Island Road over Pine Island Creek              | 360,000  | 0   |   |  | 360,000                                  | 360,000                 | 100%                             |
| <b>Bridges subtotal</b>                              |  | <b>69,576,820</b>                         |   |  |  | <b>0</b>                |                                  |

Funds presently allocated to Cape Coral bridge \$108 M.



## Explore Possible Funding Sources:

- County bond issue
- Federal grants
  - [U.S. Department of Transportation 2019 INFRA Grant Annual Report](#)
- State Grants
- Gas Tax
- Greenway Trail Grant
- Public-Private Partnerships –establish 170 (c) (1) non-profit accounts for bridge in Cape Coral, Fort Myers or Lee County
- Impact Funding
- (P3) Funding-- [Risks of Public Private-Partnership P3 Funding](#)
- [Build America Bond \(BABs\)](#) part of 2009 American Recovery and Reinvestment Act (ARRA).
- Federal Infrastructure banks



[Banpo bridge in South Korea](#)

## What Next?

### Time Is Right for A Serious Discussion:

- On **County's** appetite for major **SIGNATURE INVESTMENT**.
- On **City Council's** appetite for **SIGNATURE ENTRANCE TO CITY**--new bridge, bike-ped-liner park, development of waterfront, enhanced tourism and alleviating traffic congestion.
- **FEASIBILITY STUDY** of alternatives, including **costs & benefits** of each option.
- **October 2021** is the scheduled date **to begin DESIGN** of West bound span.
- **2020 the INTERLOCAL AGREEMENT** between County & City **expires**—re-negotiate **WITH BRIDGE DESIGN & TRAFFIC CONGESTION** analysis in mind.
- On timely strategy to deal with **GROWTH ISSUES**... Cape Coral is a fast-growing city, 50% developed, with over 400,000 population anticipated at build-out.
- On whether **BIKE-PED-LINEAR PARK** and **BRIDGES LIGHT/SOUND SYSTEM** might be wrapped up into bond issues or needs to be done separately.

|                      |                  |
|----------------------|------------------|
| <b>Item Number:</b>  | <b>6.B.</b>      |
| <b>Meeting Date:</b> | <b>2/19/2020</b> |
| <b>Item Type:</b>    | <b>BUSINESS</b>  |

**AGENDA REQUEST FORM**  
CITY OF CAPE CORAL



**TITLE:**

Surplus Toll Agreement - Persides Zambrano, Public Works Planning and Permitting Manager

**SUMMARY:**

**ADDITIONAL INFORMATION:**

**Item Number: 7.A.**  
**Meeting Date: 2/19/2020**  
**Item Type: OLD BUSINESS**

**AGENDA REQUEST FORM**  
CITY OF CAPE CORAL



**TITLE:**

UEP Update - Kevin Higginson, Utilities Extension Manager

**SUMMARY:**

**ADDITIONAL INFORMATION:**