2021 APPLICATION FORM
Project Funding for Local Initiatives (LI)
Construction Projects

Project Title U.S. 1 Bridge Enhancements
Applicant Village of North Palm Beach

WHAT DO YOU WANT TO BUILD?

In no more than 3 sentences, provide a general description of the project and what it will accomplish.

As part of the upcoming reconstruction of the U.S. 1 Bridge, the Village is proposing to install several amenities for pedestrians on both the northern and southern access points of the structure. These facilities will include a shade trellis feature, lighting, planters, and benches. The project will enhance the ability of pedestrians to use the bridge span more safely while beautifying the corridor.

WHO OWNS THE RIGHT-OF-WAY?

Check whether the applicant and/or another agency owns the right-of-way where the project will be built. Resolution of support from facility owner clearly indicating that the project may be constructed as proposed is a required attachment (see submittal checklist).

☐ Applicant ☑ Other Entities FDOT
Requires resolution letter from owner allowing project to be built.

The Village is coordinating the project with FDOT as part of the Department's replacement of the existing bridge with a new structure.

WHO IS DOING WHAT?

Check the applicable boxes. All projects on state highways must be administered and constructed by FDOT. For projects on local roadways (county or city), the applicant may administer the project or ask FDOT to administer the project on their behalf. Locally administered projects require a Local Agency Program (LAP) agreement to administer Federal Aid projects in accordance with FDOT's Local Agency Program Manual (topic no. 525 010 300).

	Administered by:	Funded by:
Design (PE)	☑ Applicant or consultant(1)(2) ☐ FDOT (requires prior approval)	☑ Applicant (required if locally administered) ☐ TPA (if FDOT administered)
Construction (CST)	☑ Applicant or consultant (1) ☐ FDOT (requires prior approval) ☐ Other: _____	☐ Applicant ☑ TPA
Const Eng & Inspect (CEI)	☑ Applicant or consultant (1)(2) ☐ FDOT (requires prior approval)	☑ Applicant (if locally administered project) ☐ TPA (if FDOT administered project)

(1) FDOT pre-qualified consultants must be used on all design and CEI work for critical projects (a project is considered critical when it is on the State Highway System (SHS), features a major structure, and/or has a budget greater than $10 million)
(2) Design consultant and CEI consultant shall not be the same.

APPLICANT CONTACT INFORMATION

Contact Person	Andy Lukasik
Title	Village Manager
Email	alukasik@village-npb.org
Phone Number	561-904-2122
Address	501 US Hwy 1 North Palm Beach, FL 33408

PROJECT LOCATION

Road Name	US Hwy 1
Road Number	US Hwy 1 (SR 5)

Project Limit Begin	North side of US Hwy 1 Bridge
Project Limit End	South side of US Hwy 1 Bridge

QUALIFYING ACTIVITIES FOR FUNDING

Check the box that represents the majority of the work the proposed project will address. Eligible activities must be consistent with details described under 23 U.S.C. 133(b).

- [x] Complete Street projects - Including Lane Narrowing, Lane Elimination, Bicycle Facilities, Pedestrian Facilities, Transit Infrastructure, Intelligent Transportation Systems (ITS), Median Modifications, Signing and lighting, Turn Lanes, Traffic Signals, Striping and Marking.
- [ ] Transit capital - purchases of vehicles, shelters, park-and-ride facilities. Can also pay up to 50% of a 3-year turn-key contract for new transit service (e.g. trolley service)
- [ ] Non-motorized infrastructure - Separated, Buffered and/or designated bike lanes, Sidewalks, Shared-use paths, Street lighting
- [ ] Freight efficiency - Airport or seaport off-site capacity improvements, Railway capacity improvements, Truck movement improvements.
- [ ] Other eligible activities not specified above

PROJECT TYPICAL SECTION INFORMATION

Complete the following information for existing & proposed features, dimensions, & right of way lines. The typical section information provides an understanding of the spacing requirement differences between the existing facilities and the proposed facilities.

	EXISTING	PROPOSED
RIGHT-OF-WAY WIDTH **Project must fit within current ROW, acquisition is not permitted**	12	12
PEDESTRIAN OR MULTIUSE FACILITIES		
Length (miles) for one direction. Do not count both sides of roadway.	137	137
Width on North or West side (feet)*	6	11
Width on South or East side (feet)*	6	11
BICYCLE FACILITIES		
Bike Lane Length (feet) for one direction. Do not count both sides of roadway.		
Width on North or West side (feet)* (not Including Buffer Width)		
Buffer Width on North or West side (feet)*		
Width on South or East side (feet)* (not Including Buffer Width)		
Buffer Width on South or East side (feet)*		
Proposed improvements requires:		
Pavement widening ☐ Sharrows ☐ Restriping ☐		
MOTORIZED VEHICLE FACILITIES		
Number of Through Travel Lanes		
Typical Through Lane Width (feet)		
Total Width* (No. Travel Lanes x Lane Width)		
Posted Speed Limit		
Design Speed (if known)		
MEDIAN/SWALE/CURB		
Median/Center Turning Lane Width (feet)*		
Swale Width (feet)*		
Curb Width (feet)*		
***TOTAL WIDTH OF ALL COMPONENTS** (Add all rows with red for total width) Must fit within existing right-of-way.	12	22

RIGHT-OF-WAY OWNERSHIP DOCUMENTATION

Describe the project's existing right-of-way ownerships. This description shall identify when the right-of-way was acquired and how ownership is documented (i.e. plats, deeds, prescriptions, certified surveys, easements). If right-of-way is an easement, please describe the easement language. Right-of-way ownership verification documents are a required attachment (see submittal checklist on page 9).

The project location is on the U.S. Hwy 1 Bridge structure. The bridge is owned and operated by FDOT.

PROJECT SCOPE OF WORK

Describe how the proposed improvements will affect the following:

ADA items (crosswalks, sidewalks, ramps, etc.)

All proposed crosswalks, sidewalks, ramps, etc. comply with ADA standards ☑ YES ☐ NO

The entire length of the pedestrian corridor will comply with ADA standards. The installation of the site amenities along the span will be located to ensure that ADA accessibility standards are met.

Access Management revisions (median modifications, impacts to driveways, etc.) YES ☐ NO ☑

Pedestrian and/or Roadway Lighting

Pedestrian lighting proposed YES ☑ NO ☐ Roadway lighting proposed YES ☐ NO ☐

Enhanced lighting along the pedestrian corridor will be installed. The lighting fixtures will be attached to the trellis posts.

Landscape (with Local Funds)

Median landscape proposed ☐ YES ☑ NO Other landscape proposed ☑ YES ☐ NO

Irrigation items proposed ☐ YES ☑ NO

Planters will be installed for safety and decoration. The planters will include the installation of climbing vines and planting soil. The landscaping will be supported by irrigation.

Signalization

Pedestrian signals proposed ☐ YES ☑ NO Existing signalization to be replaced ☐ YES ☑ NO

New traffic signalization proposed ☐ YES ☑ NO

Transit Improvements

Queue jump possible ☐ YES ☑ NO Transit provider concurrence provided YES ☐ NO ☑

Upgrade existing bus bay area ☐ YES ☑ NO

School Zone Modifications

Existing flashing school zone signal on state road ☐ YES ☑ NO

High emphasis cross walk at unsignalized crossing ☐ YES ☑ NO

Utility Modifications

Sub-surface relocation is required ☐ YES ☑ NO

Utility coordination is required ☐ YES ☑ NO

Drainage and/or other Permits

Existing closed drainage system to remain ☐ YES ☑ NO

Existing open drainage system to remain ☑ YES ☐ NO

Railroad Crossing Modifications

Rail crossing within limits ☐ YES ☑ NO

Replace railroad signal equipment and gates ☐ YES ☑ NO

Bridge Modifications

Proposed pedestrian bridge ☐ YES ☑ NO

Bridge replacement ☐ YES ☑ NO

Proposed bridge widening ☐ YES ☑ NO

While the project will be part of the replacement of the U.S. Hwy 1 Bridge, the proposed improvements will not involve any bridge modifications.

Other Scope Items

The project will consist of: 6' backless bench surface mount, litter with recycling surface mount & rain lid, planters 28"x28"x28" with irrigation support, luminaire lamp fixture attached to trellis posts, climbing vines and planting soil for planters, trellis feature (2 sides).

Summarize any special characteristics of the project.

While the improvements to the bridge have been a priority for years, the collapse of sections of the bridge in 2017 provided a unique opportunity for the Village to enhance the pedestrian corridor along the bridge. The ability to make such improvements has become a reality due to the upcoming replacement of the bridge. Being able to complete these improvements as part of the larger project will significantly reduce cost and disruption to traffic.

Identify any upcoming projects or projects currently underway adjacent to the proposed project.

There are no proposed or upcoming projects in the vicinity of the project. However, the proposed project will be enhancements to the FDOT bridge replacement project.

Other specific project information that should be considered.

The desire to make the bridge corridor more pedestrian friendly and attractive was identified as a priority during the development of the Citizen's Master Plan, completed in 2016. The redevelopment of the Village's three bridges, including the U.S. Hwy 1 structure, was seen as a critical part of not only economic redevelopment but also further creating an identity for the changing community.

PUBLIC INVOLVEMENT AND SUPPORT

Describe the public outreach and support for the project (i.e. petitions, written endorsements, resolutions, etc.). Attach documentation.

The bridge replacement has been part of public outreach effort conducted by the Village and District. The outreach included a public workshop Thursday, Sept. 26, 2019 at the Village's Library. The project and the meetings have also been part of several television and print news stories over the last several years. In addition, the proposed site amenities have been discussed at Village council meetings, and the public has had the opportunity to comment. The scope of the project has also been provided to the residents of the Village through the monthly newsletter.

Projects impacting single family residential lots will require additional documentation of public support. Additional documentation must indicate that all property owners directly affected by the improvement were notified, that at least 25 percent of the property owners showed support for the project, and that no more than 10 percent of the property owners showed lack of support.

PROJECT MAINTENANCE

Document ownership and maintenance responsibilities for the project when complete. Applicant's Resolution of Support and commitment to fund operations and maintenance of the project is a required attachment. See submittal checklist on page 9).

The Village will take responsibility for the maintenance of the site amenities. A letter demonstrating this commitment is attached.

COST ESTIMATE

The total construction amount of Local Initiatives Program funds requested per projects (infrastructure) must be in excess of $250,000 with a maximum project amount of $5,000,000.

Local Initiatives Program funds will be used to fund Construction, Construction Engineering and Inspection Activities (CEI) and FDOT in-house support activities. The applicant may also request that Local Initiative Program funds be used for project Design, Environmental Services, and Post Design Services.

Local Funds (LF) will be used for all non-participating items, contingency activities, and any costs in excess of the awarded funding (LI) allocation.

(a) Provide detailed project cost estimate using one of the following forms. Estimate shall be broken down to eligible and non-eligible project costs**. Estimates are to be prepared and signed by a Professional Engineer from the Local Agency's Engineering office.**

a. On-System (on State Highway System) Cost Estimate Sheet
b. Off-System (not on State Highway System) Cost Estimate Sheet

Use the following links to access the basis of estimates manual as well as historical information for the project area.

Basis of Estimates Manual
Historical Cost Information

CERTIFICATION OF PROJECT SPONSOR

I hereby certify that the proposed project herein described is supported by Village of North Palm Beach (*municipal, county, state or federal agency, or tribal council*) and that said entity will:

1) provide any funding required in addition to the grant amount;
2) enter into a LAP and maintenance agreement with the Florida Department of Transportation;
3) have complied with the Federal Uniform Relocation Assistance and Acquisition Policies Act for any Right of Way actions intended for this project previously performed within the project limits;
4) will comply with NEPA process prior to construction, which may involve coordination with the State Historic and Preservation Office (SHPO); and
5) support other actions necessary to fully implement the proposed project.

I further certify that the estimated costs included herein are reasonable, and that increases in these costs could cause significant increase to the local agency required participation. I understand failure to follow through on the project once programmed in the Florida Department of Transportation's Work Program is not allowed.

Signature

Andy Lukasik

Name (*please type or print*)

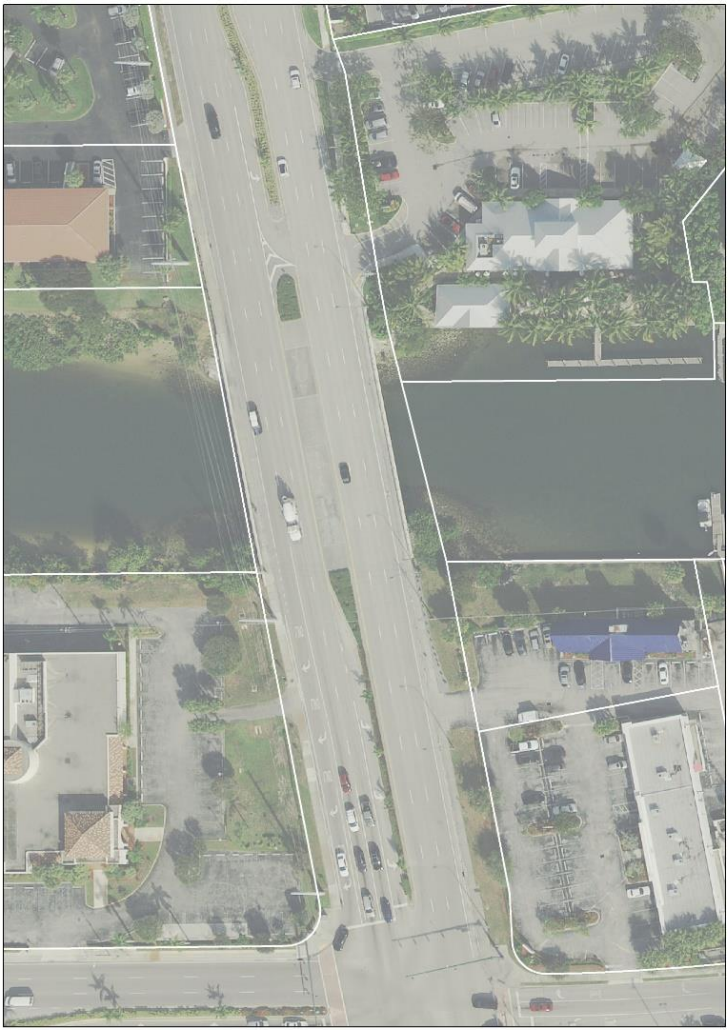
Village Manager

Title

2/26/21

Date

FOR FDOT USE ONLY		
Application Complete	☐ Yes	☐ No
Project Eligible	☐ Yes	☐ No
Implementation Feasible	☐ Yes	☐ No
Include in Work Program	☐ Yes	☐ No



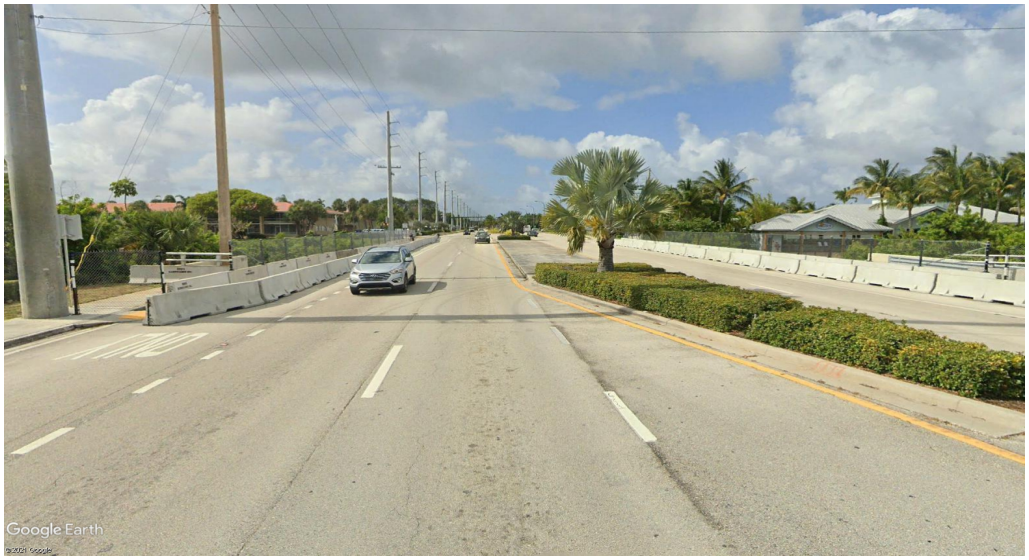
Date: 3/12/2019
1 in = 50 ft
Feet
0 25 50

North Palm Beach
US1 Road Bridge

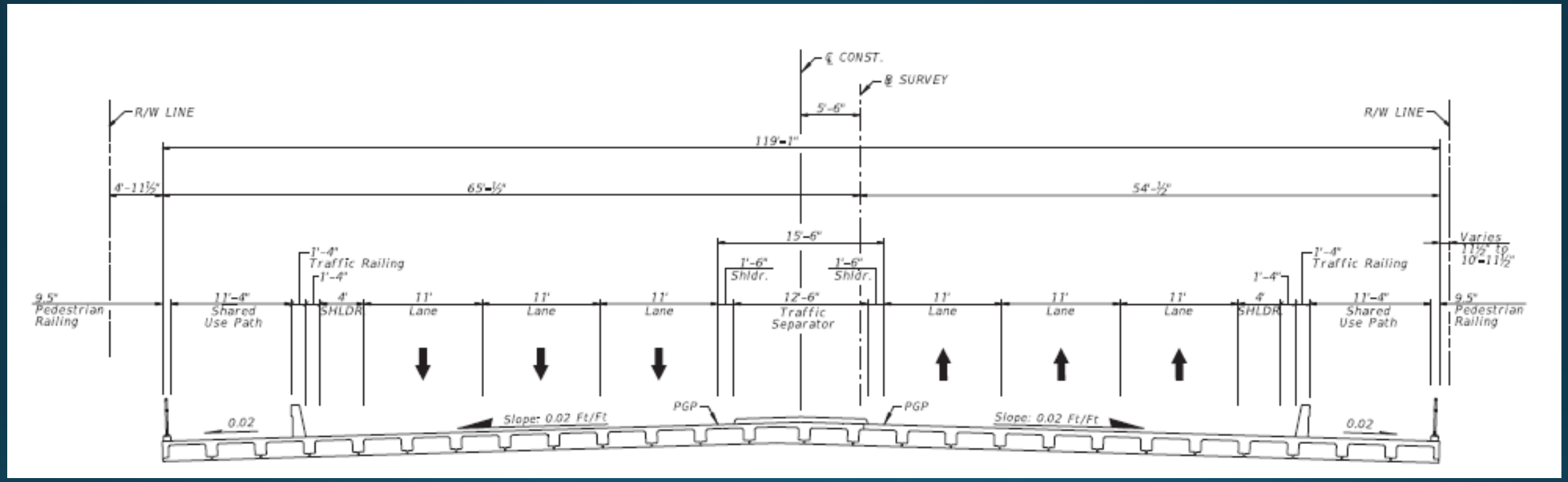
GENTILE GLAS HOLLOWAY O'MAHONEY

Photographs

Photographs



US1 Bridge Cross Section



11’4” shared path

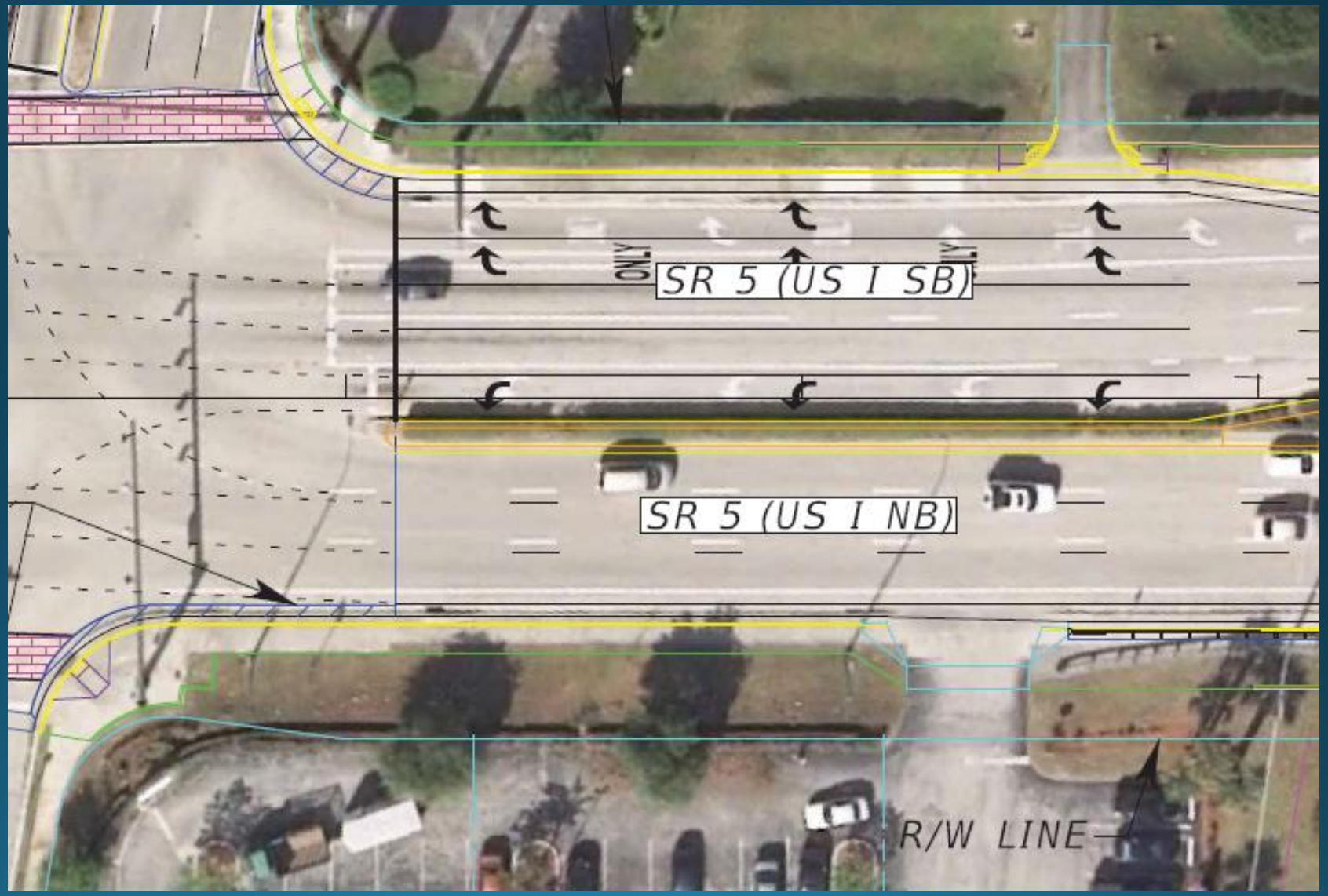
4’ shoulder

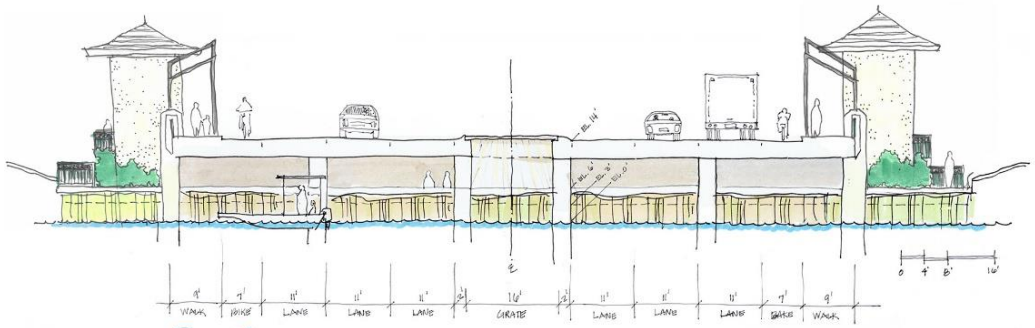
Bridge height raised about 18”

US1/Northlake Intersection Aerial View

In addition to continual right hand turn lane from Anchorage Drive South to Northlake, FDOT will provide a second right hand turn lane after the bridge as part of this project.

The existing median will be shifted to the east but is anticipated to remain at 4’ wide.





Section

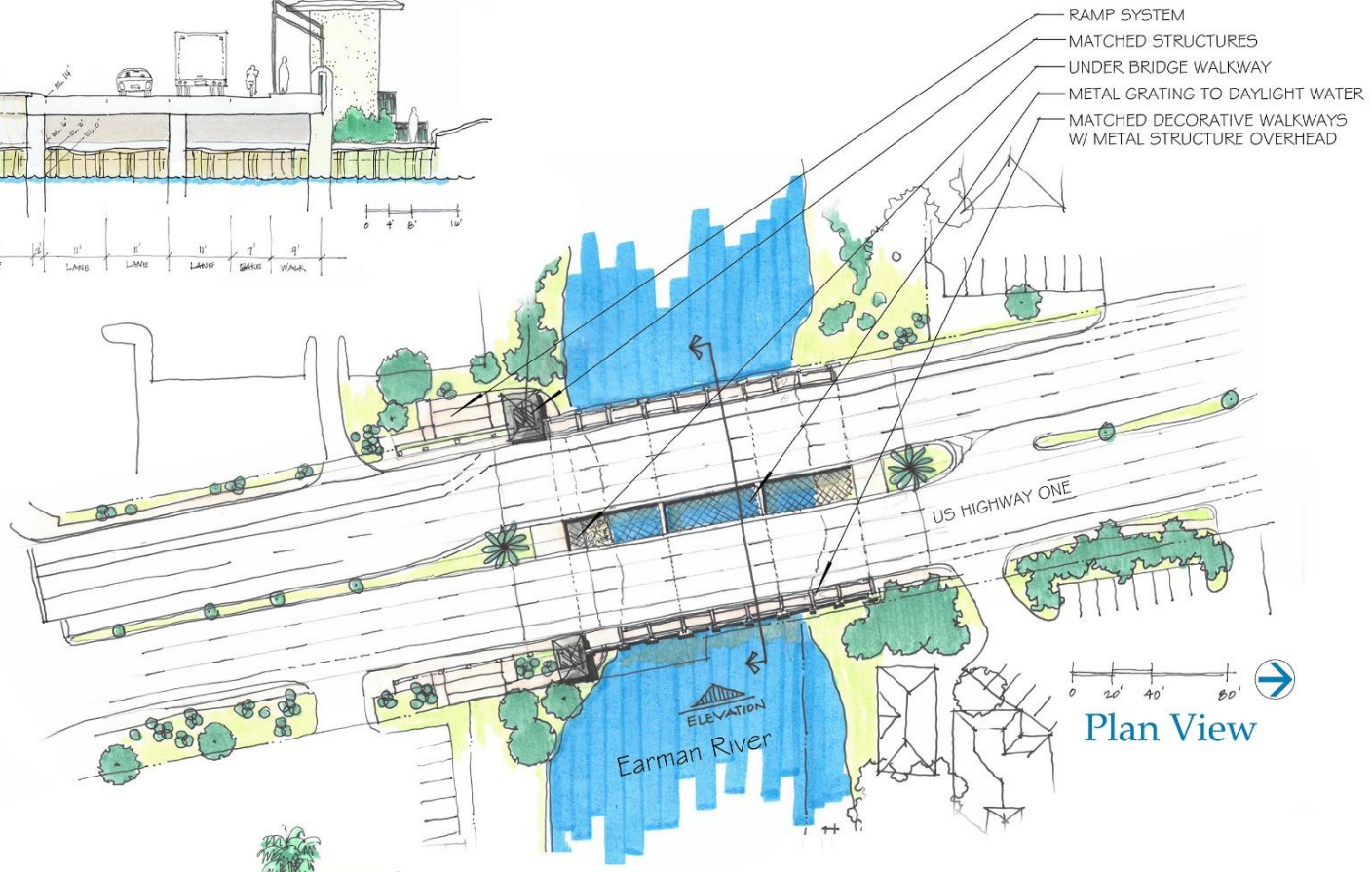
Village of North Palm Beach

Bridge Studies

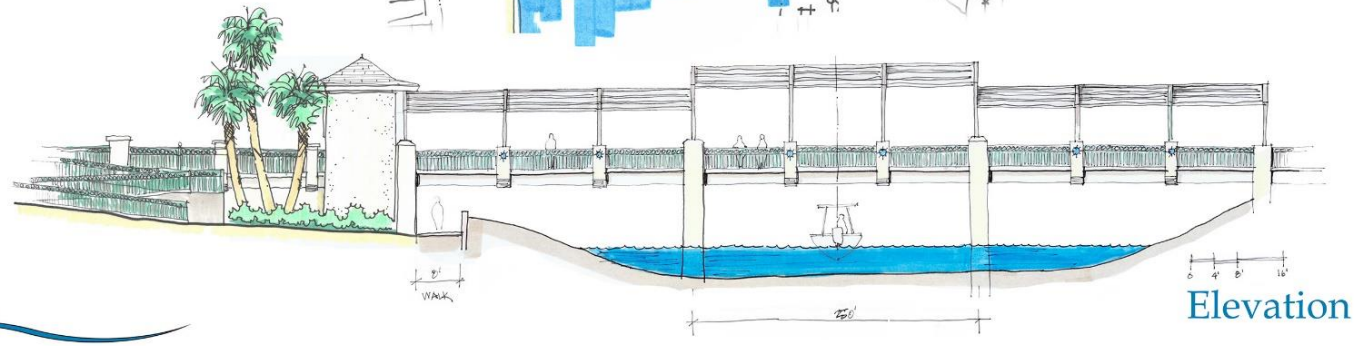
2GHO
Landscape Architects & Planners
561-575-9557

September 26, 2019

US Highway 1

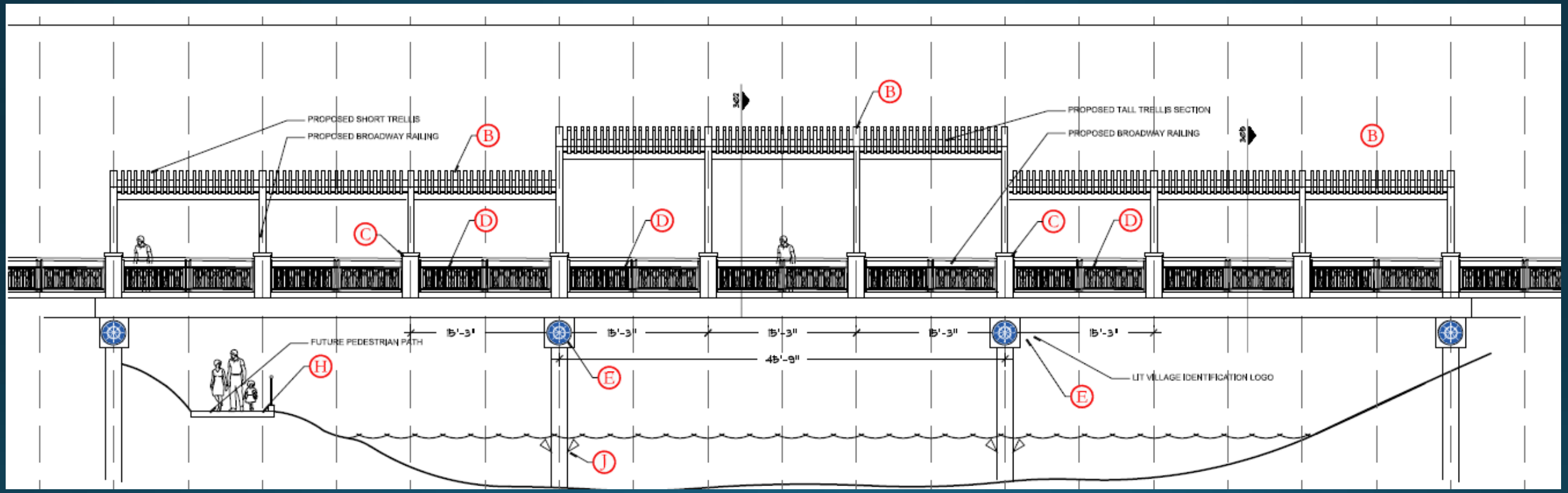


Plan View

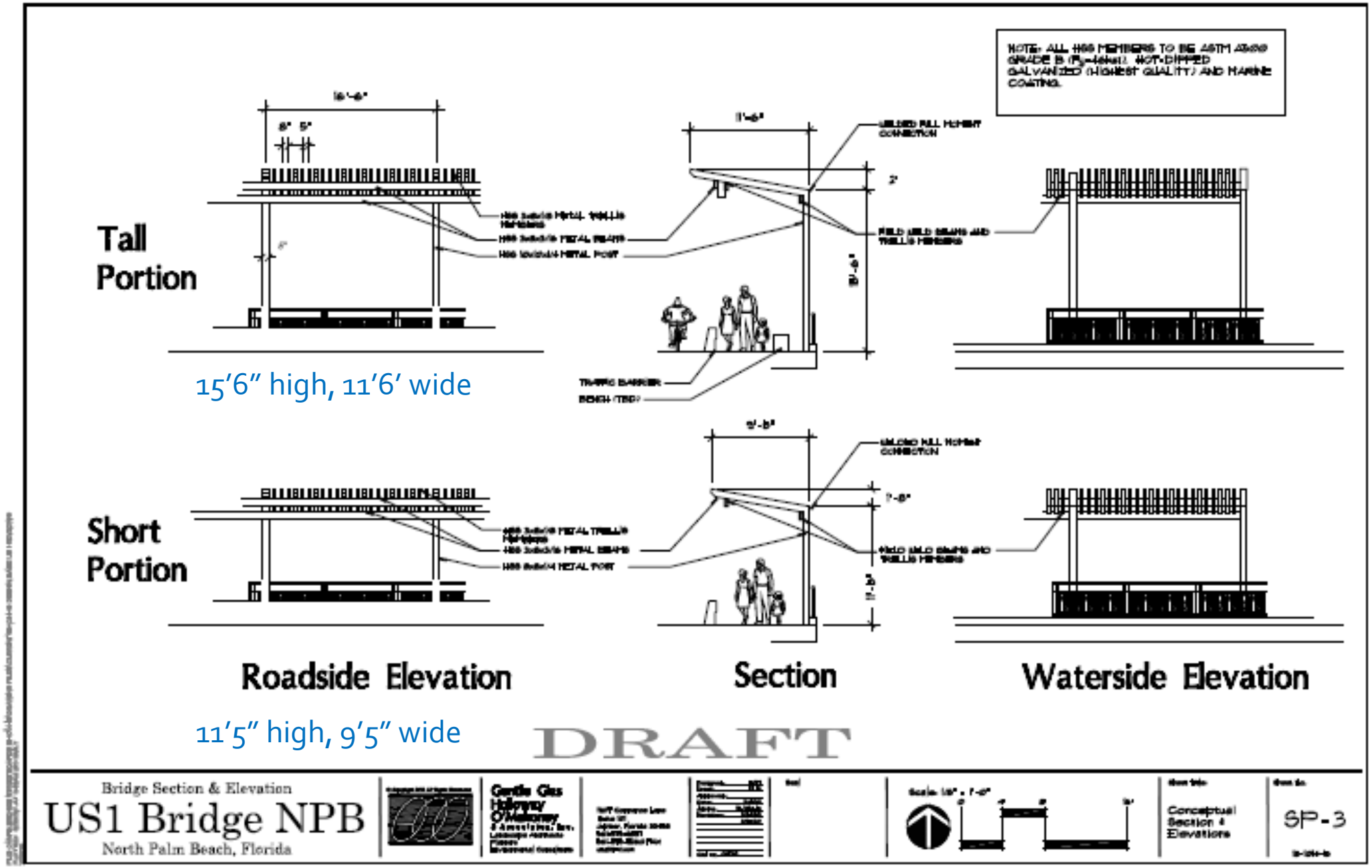


Elevation

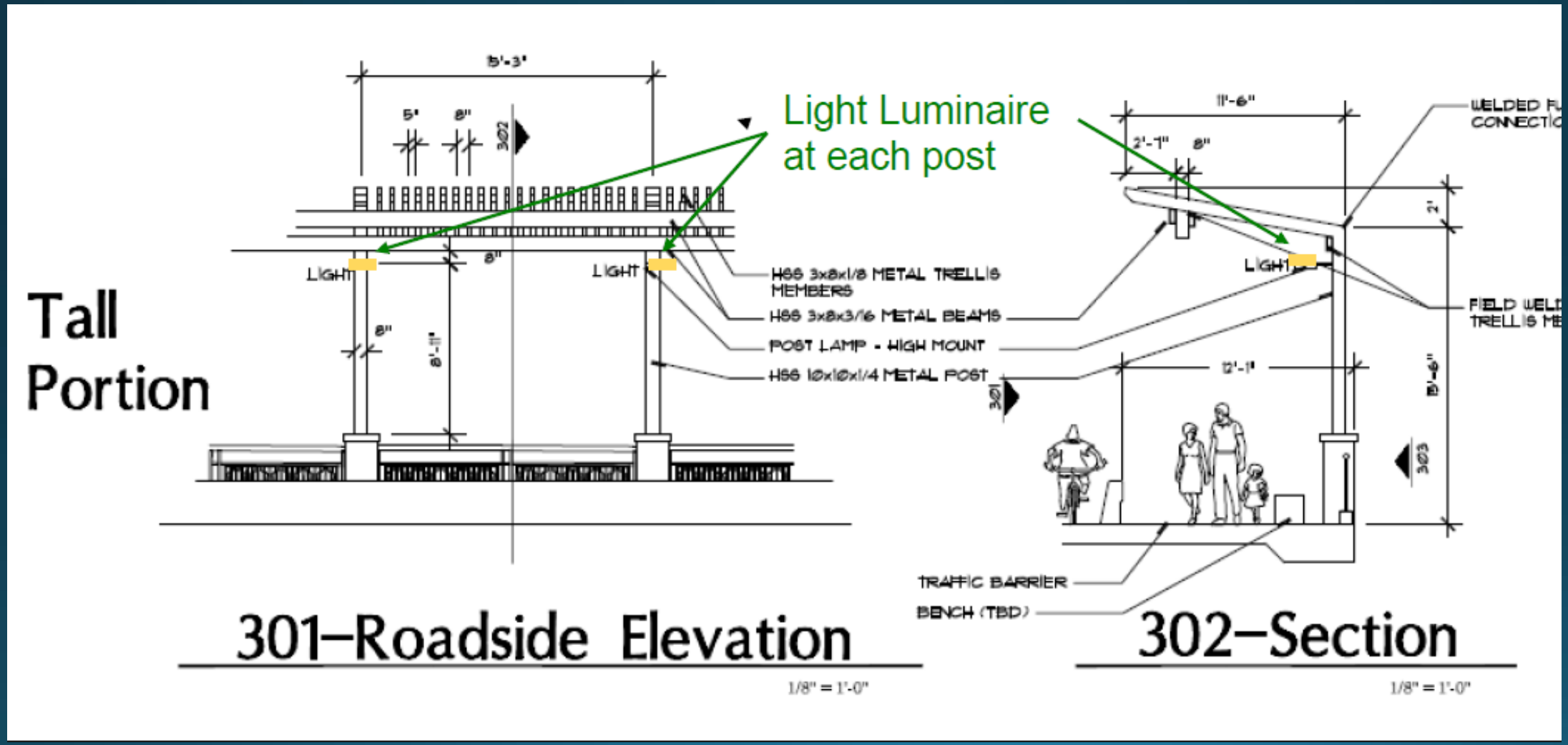
US1 Bridge


PROPOSED SHORT TRELLIS
PROPOSED BROADWAY RAILING
PROPOSED TALL TRELLIS SECTION
PROPOSED BROADWAY RAILING
B
C
D
FUTURE PEDESTRIAN PATH
H
15'-3"
45'-9"
E
J
LIT VILLAGE IDENTIFICATION LOGO

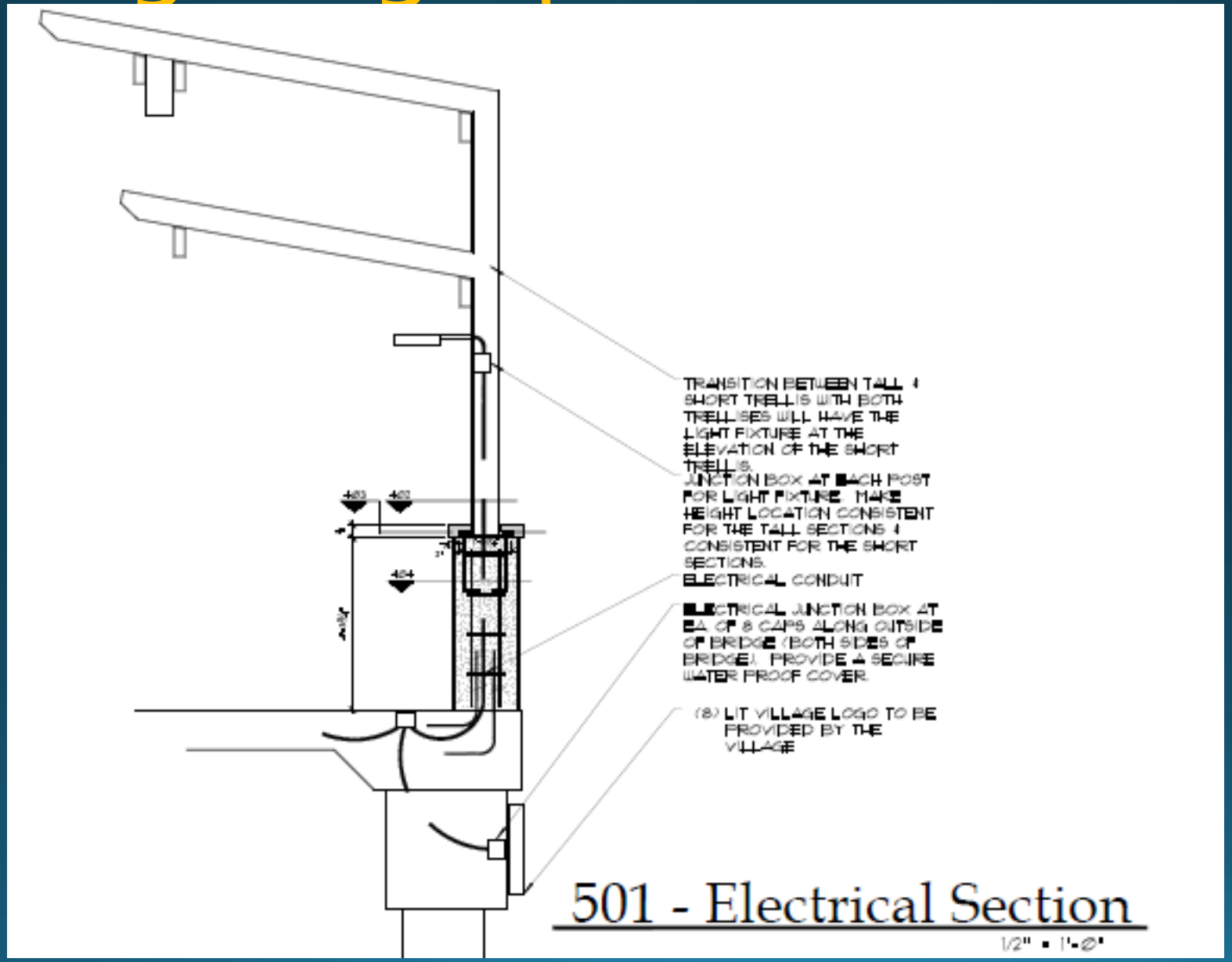
US 1 Bridge

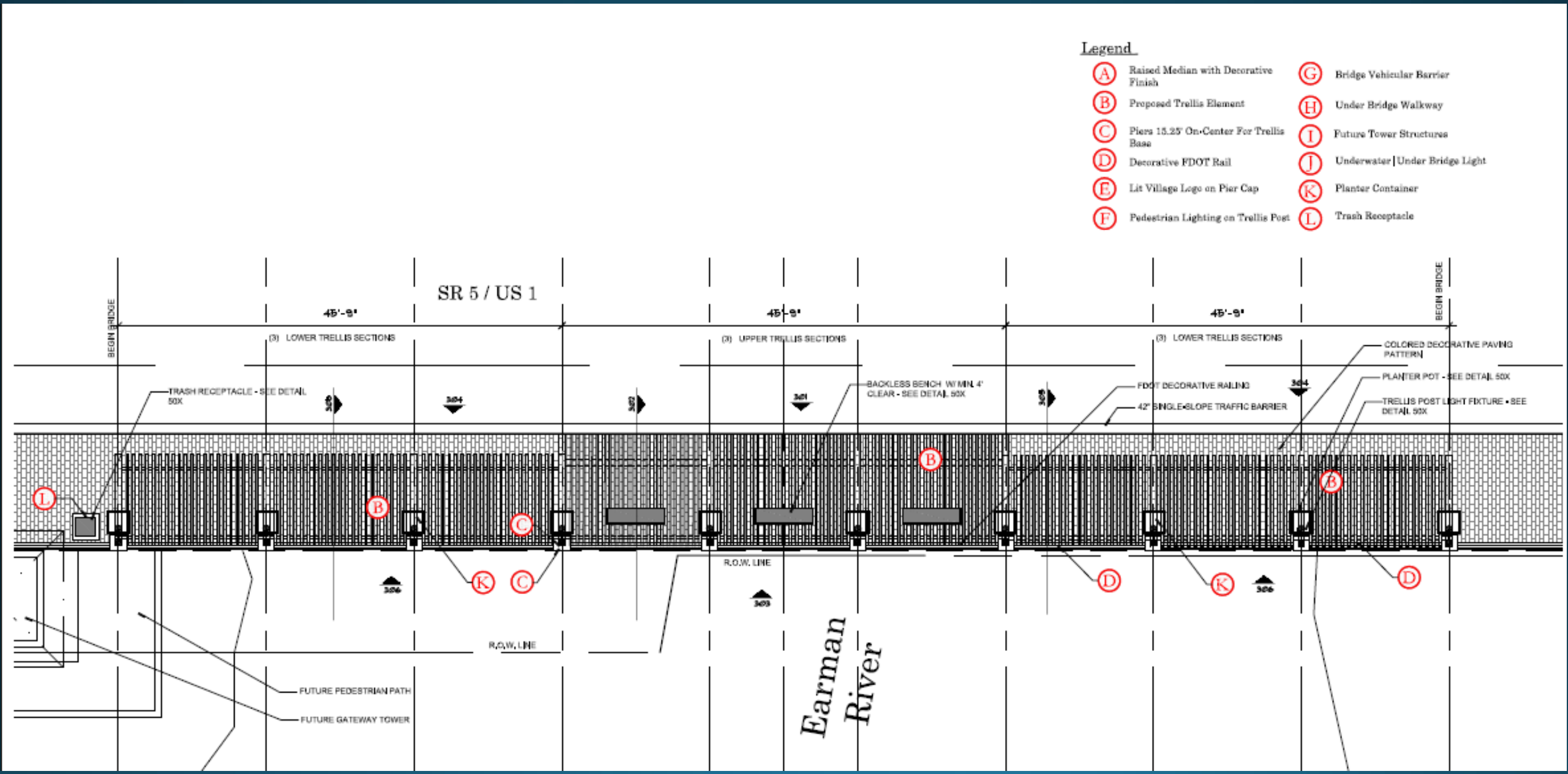

Tall Portion
15’6” high, 11’6’ wide
Short Portion
11’5” high, 9’5” wide
Roadside Elevation
Section
Waterside Elevation
DRAFT
Bridge Section & Elevation
US1 Bridge NPB
North Palm Beach, Florida
Conceptual Section & Elevations
SP-3

Trellis Lighting Options

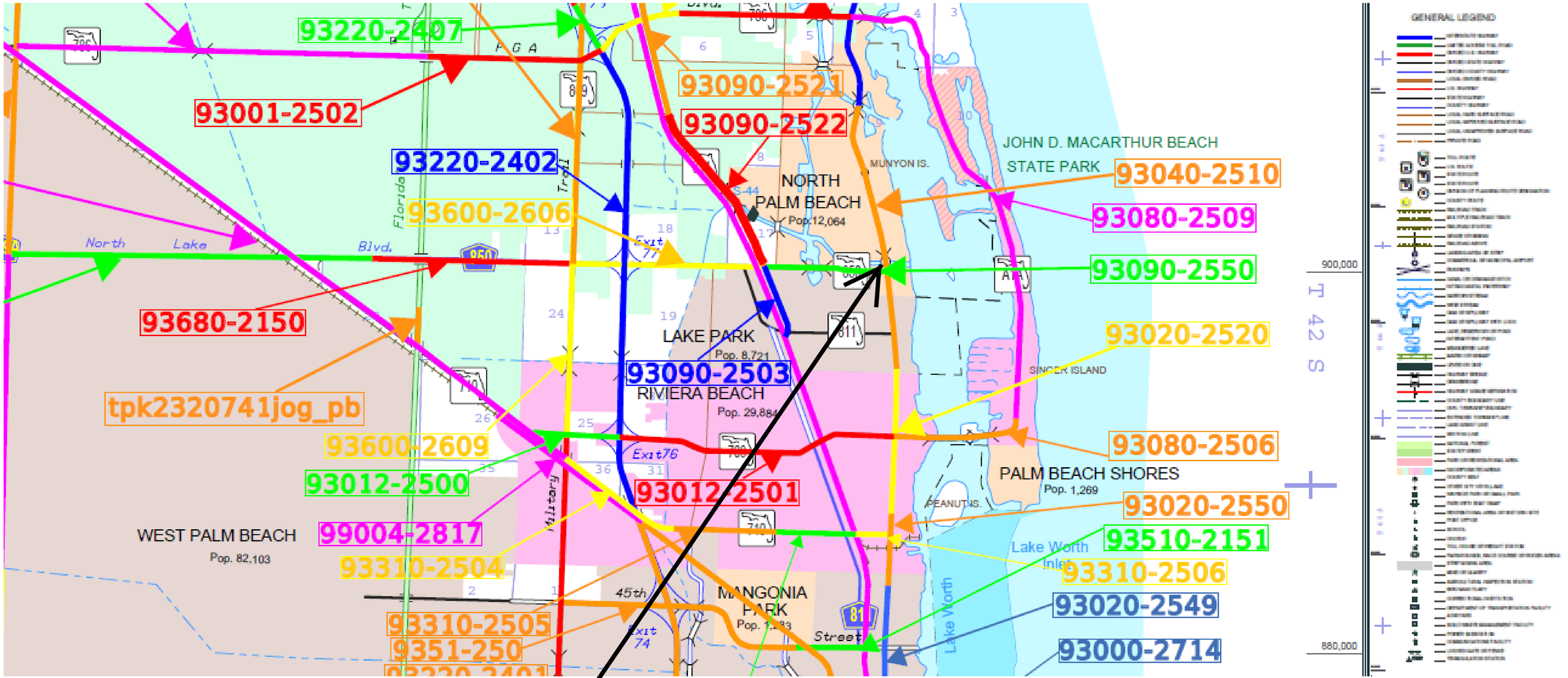


Trellis Lighting Options




Legend
A Raised Median with Decorative Finish
B Proposed Trellis Element
C Piers 15.25' On-Center For Trellis Base
D Decorative FDOT Rail
E Lit Village Logo on Pier Cap
F Pedestrian Lighting on Trellis Post
G Bridge Vehicular Barrier
H Under Bridge Walkway
I Future Tower Structures
J Underwater | Under Bridge Light
K Planter Container
L Trash Receptacle
SR 5 / US 1
BEGIN BRIDGE
45'-9"
45'-9"
45'-9"
BEGIN BRIDGE
(3) LOWER TRELLIS SECTIONS
(3) UPPER TRELLIS SECTIONS
(3) LOWER TRELLIS SECTIONS
TRASH RECEPTACLE - SEE DETAIL 50X
BACKLESS BENCH W/ MIN. 4' CLEAR - SEE DETAIL 50X
FDOT DECORATIVE RAILING
42" SINGLE-SLOPE TRAFFIC BARRIER
COLORED DECORATIVE PAVING PATTERN
PLANTER POT - SEE DETAIL 50X
TRELLIS POST LIGHT FIXTURE - SEE DETAIL 50X
R.O.W. LINE
R.O.W. LINE
FUTURE PEDESTRIAN PATH
FUTURE GATEWAY TOWER
Earman River

US1 Hwy Bridge- ROW Ownership - Florida Department of Transportation



US Hwy 1
Bridge

THE VILLAGE OF
NORTH PALM BEACH

"THE BEST PLACE TO LIVE UNDER THE SUN"

February 26, 2021

Nick Uhren, PE
Executive Director
Palm Beach County MPO
2300 North Jog Road, 4th Floor
West Palm Beach, FL 33411-2749

RE: 2021 Local Initiative Program – US 1 Bridge Enhancements

Dear Mr. Uhren:

The Village of North Palm Beach is pleased to submit an application for funding through the Local Initiative Program. The Village is requesting the funding to expand multi-use pathway and site amenities being constructed as part of the US 1 Bridge. While FDOT maintains control of the bridge, the Village has coordinated the proposed improvements with the District. The successful completion of this project will further the Village's goals of providing safe non-motorized opportunities for all users.

The Village is committed to maintaining and operating the project once construction is completed. The Village will appropriate the necessary funds as part of its annual operating budget. Should we be able to provide any additional information on our efforts, please contact my office at (561) 904-2122.

Sincerely,

Andy Lukasik
Village Manager