

From: [Rafael S. Aguilar](#)
To: [Todd C. Stoughton](#)
Cc: [Mario B Rojas IV, PE](#)
Subject: [EXTERNAL] RE: [EXTERNAL] RE: [EXTERNAL] FM 44601-1-52-01 SR 5 / N Roosevelt Blvd - RRR | Water Hazard Protection
Date: Thursday, February 22, 2024 11:29:33 AM
Attachments: [image003.png](#)
[image004.png](#)
[image005.png](#)

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good morning Todd,

If guardrail is to be installed, the palms must meet the minimum barrier setback for flexible barriers, in this case 5-ft, with standard guardrail (see table below). More than likely none of the palms will meet this criteria and likely will be removed, each one would have to be evaluated individually. As you can see the value can be reduced to 3-ft, but even here the setback value will not be met.

Table 215.4.2 Minimum Barrier Setback
(Measured from the face of the barrier, as shown in Figure 215.4.7)

Barrier Type	Setback Distance
Flexible Barrier	
High Tension Cable Barrier (HTCB)	12 feet, 0 inches
Semi-Rigid Barrier	
W-Beam with Post Spacing @ 6 feet, 3 inches (TL-3)	5 feet, 0 inches
W-Beam with Post Spacing @ 12 feet, 6 inches (TL-2)	5 feet, 0 inches
W-Beam with Post Spacing @ 3 feet, 1.5 inches (½ Spacing)	3 feet, 10 inches
W-Beam with Post Spacing @ 1 foot, 6.75 inches (¼ Spacing)	3 feet, 2 inches
Nested W-Beams with Post Spacing @ 3 feet, 1.5 inches (½ Spacing)	3 feet, 0 inches
Nested W-Beams with Post Spacing @ 1 foot, 6.75 inches (¼ Spacing)	2 feet, 8 inches
Deep Post W-Beam installed on 1:2 Slope Break with Post Spacing @ 6 feet, 3 inches (TL-3)	5 feet, 6 inches
Rigid-Barrier	
Concrete Barrier < 40" Height (Design Speeds ≤ 45 MPH)	0 feet, 0 inches
Concrete Barrier < 40" Height (Design Speeds > 45 MPH) Non-crash Tested Continuous or Discontinuous Items	1 foot, 6 inches
Concrete Barrier ≥ 40" Height	0 feet, 0 inches
Bridge Traffic Railing Non-crash Tested Continuous Items Non-crash Tested Discontinuous Items	5 feet, 0 inches See Figure 215.4.7
Temporary Barriers	
See "Setback Distance" of applicable Standard Plans , Index or APL drawing.	

Thank You,

-
[Rafael S. Aguilar, PE](#)

Senior Project Manager | Principal

1551 Sawgrass Corporate Parkway, Suite 440

Sunrise, Florida 33323

Office: (954) 251-4393

Office: (786) 250-5526

Cell: (305) 310-6914



www.ChoiceEng.com

NOTICE - This communication may contain confidential and privileged information that is for the sole use of the intended recipient. Any viewing, copying or distribution of, or reliance on this message by unintended recipients is strictly prohibited. If you have received this message in error, please notify us immediately by replying to the message and deleting it from your computer.

From: Todd C. Stoughton <tstoughton@cityofkeywest-fl.gov>

Sent: Thursday, February 22, 2024 11:25 AM

To: Rafael S. Aguilar <rsaguilar@choiceeng.com>; Mario B Rojas IV, PE <mbrojas@choiceeng.com>

Subject: RE: [EXTERNAL] RE: [EXTERNAL] FM 44601-1-52-01 SR 5 / N Roosevelt Blvd - RRR | Water Hazard Protection

CAUTION: This email is originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Sorry I sent too early:

In the 90% design drawings I see the Tree Disposition Table that demonstrates the trees as 'Remain'. Just want to confirm if they are staying or going.

From: Todd C. Stoughton

Sent: Thursday, February 22, 2024 11:20 AM

To: 'Rafael S. Aguilar' <rsaguilar@choiceeng.com>; Mario B Rojas IV, PE <mbrojas@choiceeng.com>

Subject: RE: [EXTERNAL] RE: [EXTERNAL] FM 44601-1-52-01 SR 5 / N Roosevelt Blvd - RRR | Water Hazard Protection

Rafael/Mario,

Thank you again for your patience. I am preparing the City Commission agenda item now and if I remember correctly someone said if the vehicle guard is installed on N. Roosevelt the Palm Trees will come out. Is that correct?

Thank you again.

Respectfully,

Todd

Todd Stoughton
Assistant City Manager
City of Key West
1300 White Street
Key West, FL 33040
Desk: (305) 809-3811
tstoughton@cityofkeywest-fl.gov

From: Rafael S. Aguilar <rsaguilar@choiceeng.com>

Sent: Wednesday, February 21, 2024 2:35 PM

To: Todd C. Stoughton <tstoughton@cityofkeywest-fl.gov>; Mario B Rojas IV, PE <mbrojas@choiceeng.com>

Cc: Albert Childress <albert.childress@cityofkeywest-fl.gov>; Gary Volenec <gary.volenec@cityofkeywest-fl.gov>;

Ian McDowell <cimcdowell@cityofkeywest-fl.gov>; Joaquin de la Cruz (Joaquin.DelaCruz@dot.state.fl.us)

<Joaquin.DelaCruz@dot.state.fl.us>; Raymond Valido (Raymond.Valido@dot.state.fl.us)

<Raymond.Valido@dot.state.fl.us>; Karina Fuentes (Karina.Fuentes@dot.state.fl.us)

<Karina.Fuentes@dot.state.fl.us>; Carlos Francis <cfrancis@choiceeng.com>

Subject: [EXTERNAL] RE: [EXTERNAL] FM 44601-1-52-01 SR 5 / N Roosevelt Blvd - RRR | Water Hazard Protection

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Thank you Todd for your attention in this matter. We are looking forward to the resolution; the sooner we have a resolution, the better,

We will work with the date you noted below.

Thank You,

-

[Rafael S. Aguilar, PE](mailto:rsaguilar@choiceeng.com)

Senior Project Manager | Principal

1551 Sawgrass Corporate Parkway, Suite 440

Sunrise, Florida 33323

Office: (954) 251-4393

Office: (786) 250-5526

Cell: (305) 310-6914



www.ChoiceEng.com

NOTICE - This communication may contain confidential and privileged information that is for the sole use of the intended recipient. Any viewing, copying or distribution of, or reliance on this message by unintended recipients is strictly prohibited. If you have received this message in error, please notify us immediately by replying to the message and deleting it from your computer.

From: Todd C. Stoughton <tstoughton@cityofkeywest-fl.gov>

Sent: Wednesday, February 21, 2024 1:12 PM

To: Mario B Rojas IV, PE <mbrojas@choiceeng.com>; Rafael S. Aguilar <rsaguilar@choiceeng.com>

Cc: Albert Childress <albert.childress@cityofkeywest-fl.gov>; Gary Volenec <gary.volenec@cityofkeywest-fl.gov>;

Ian McDowell <cimcdowell@cityofkeywest-fl.gov>; Joaquin de la Cruz (Joaquin.DelaCruz@dot.state.fl.us)

<Joaquin.DelaCruz@dot.state.fl.us>; Raymond Valido (Raymond.Valido@dot.state.fl.us)

<Raymond.Valido@dot.state.fl.us>; Karina Fuentes (Karina.Fuentes@dot.state.fl.us)

<Karina.Fuentes@dot.state.fl.us>; Carlos Francis <cfrancis@choiceeng.com>

Subject: RE: [EXTERNAL] FM 44601-1-52-01 SR 5 / N Roosevelt Blvd - RRR | Water Hazard Protection

CAUTION: This email is originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Mario/Rafael,

Good afternoon. After discussing with the City Manager, we will take this in front of our City Commission on March 14th in the form of a resolution for their direction. I know you have been waiting for this response, and I hope this does not delay the project on your end. I will have a letter to you on March 15th from the City Manager. If this timeline does not work, please let me know.

Respectfully,

Todd

Todd Stoughton
Assistant City Manager
City of Key West
1300 White Street
Key West, FL 33040
Desk: (305) 809-3811
tstoughton@cityofkeywest-fl.gov

From: Mario B Rojas IV, PE <mbrojas@choiceeng.com>
Sent: Tuesday, February 20, 2024 5:14 PM
To: Todd C. Stoughton <tstoughton@cityofkeywest-fl.gov>
Cc: Albert Childress <albert.childress@cityofkeywest-fl.gov>; Gary Volenec <gary.volenec@cityofkeywest-fl.gov>; Ian McDowell <cimcdowell@cityofkeywest-fl.gov>; Rafael S. Aguilar <rsaguilar@choiceeng.com>; Joaquin de la Cruz (<Joaquin.DelaCruz@dot.state.fl.us> <Joaquin.DelaCruz@dot.state.fl.us>); Raymond Valido (<Raymond.Valido@dot.state.fl.us> <Raymond.Valido@dot.state.fl.us>); Karina Fuentes (<Karina.Fuentes@dot.state.fl.us> <Karina.Fuentes@dot.state.fl.us>); Carlos Francis <cfrancis@choiceeng.com>
Subject: [EXTERNAL] FM 44601-1-52-01 SR 5 / N Roosevelt Blvd - RRR | Water Hazard Protection

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good Afternoon Todd,

As discussed today with this project's EOR, Rafael Aguilar, you can find our 90% Submittal here: [03_Phase III](#)

Please note that if the City has no opposition to the implementation of the guardrail and the pedestrian railing to protect the water hazard and drop-off hazard, the plans will be updated to include these safety features.

Also as discussed, a typical section depicting the guardrail and the pedestrian railing is attached for your reference.

We are looking forward to hearing from you regarding the Commission's resolution on this matter.

Best Wishes,

Mario B. Rojas IV, PE, MSCE, MBA
Project Manager
Accredited Bentley® Road Designer & Road Modeler
12855 SW 132nd Street, Suite 200
Miami, Florida 33186
Office: (786) 250-5526
Cell: (305) 281-7699
Email: MBRojas@ChoiceEng.com



www.ChoiceEng.com

NOTICE - This communication may contain confidential and privileged information that is for the sole use of the intended recipient. Any viewing, copying or distribution of, or reliance on this message by unintended recipients is strictly prohibited. If you have received this message in error, please notify us immediately by replying to the message and deleting it from your computer.