Hillsborough River Interlocal Planning Board TAC Meeting

AGENDA

I. Call to Order
II. Roll Call
III. Pledge of Allegiance
IV. Moment of Contemplation
V. Public Comment

★VI. Approval of Previous Meeting Summary – January 21, 2020* (p.3)
VII. 5-Year Hydrobiological Assessment of the Lower Hillsborough River, SWFWMD* (p.5)
VIII. Independent Technical Review and Supplemental Analyses of the 5-year Hydrobiological Assessment for the Lower Hillsborough River, Sid Flannery

★IX. Consistency Recommendation:
   a. Minor Work Permit No. 19-042 (Port Tampa Bay)* (p.12)
   b. Minor Work Permit No. 19-044 (Port Tampa Bay)* (p.27)

X. Other business

★ Indicates Action Required  * Indicates backup material provided

Tampa Union Station
601 N. Nebraska Ave.
2nd Floor Conference Room
Elevator Access Available

Parking
Please park in the south parking lots designated with the signs AMTRAK Passengers only. AMTRAK passengers are to be afforded the courtesy of parking closest to the building. Numbered parking spaces are reserved for pre-paid monthly parking, and will result in your vehicle being ticketed.

Park in spaces with these signs:
This Page Left Intentionally Blank.
I. Call to Order
Chair Brown called the meeting to order at 1:32 p.m.

II. Roll Call
Members were sufficient to establish a quorum.

III. Pledge of Allegiance
Chair Brown led in the Pledge of Allegiance.

IV. Moment of Contemplation
Chair Brown led in a moment of contemplation.

V. Public Comment
None.

VI. Election of Officers
Nominated by Stu Marvin and seconded Derek Doughty, Rich Brown was elected TAC Chair. Nominated by Stu Marvin and seconded by Jackie Julien, Derek Doughty was elected TAC Vice Chair.

VII. Approval of Previous Meeting Summary – November 19, 2019
Motioned by Stu Marvin and seconded by Derek Doughty, the previous meeting summary was approved unanimously.
VIII. TBEP Habitat Master Plan, Gary E. Raulerson, Ph.D., Ecologist, Tampa Bay Estuary Program  
Dr. Raulerson presented the Tampa Bay Estuary Program’s Habitat Master Plan Update. He went over the Tampa Bay Estuary Program and Tampa Bay habitats. Dr. Raulerson mentioned the Habitat Master Plan background and current work that is being done by the Tampa Bay Estuary Program. Dr. Raulerson went on to talk about draft targets regarding different habitats surrounding the bay and the Hillsborough river. Dr. Raulerson requested help from the TAC regarding any updates or relative information in relation to protecting and preserving the habitats. Dr. Raulerson provided links to where the council may submit any information.

IX. Status of 5-Year Hydrobiological Assessment of the Lower Hillsborough River  
Excerpts from the draft report were included with the agenda packet. The full report is located online. Mr. College stated there were some targets missed in terms of providing the minimum flow. Mr. College stated that the full report would be presented in February and later discussed at the Hillsborough River Board’s quarterly meeting in April.

X. Consistency Recommendation:  
a. Minor Work Permit No. 68723 (EPC)  
Motioned by Stu Marvin and seconded by Jackie Julien, the permit was unanimously recommended to be found consistent with the Hillsborough River Master Plan by the River Board.

b. Minor Work Permit No. 69337 (EPC)  
Motioned by Jackie Julien and seconded by Stu Marvin, the permit was unanimously recommended to be found consistent with the Hillsborough River Master Plan by the River Board.

XI. Other business  
Chair Brown talked about how successful the boat parade was. Chair Brown mentioned the importance of the 5-year Hydrobiological Assessment of the Lower Hillsborough River to the Technical Advisory Council and the stakeholders. Mr. College said that Mr. Gross will be the new Director of Code Enforcement for Hillsborough County.

Chair Brown adjourned the meeting.
AGENDA ITEM VII.
5-Year Hydrobiological Assessment of the Lower Hillsborough River, SWFWMD
Selected Attachments

1. 5-Year Hydrobiological Assessment of the Lower Hillsborough River (Draft)

Complete draft report available for download: https://www.swfwmd.state.fl.us/projects/mfls/minimum-flows-the-lower-hillsborough-river

2. Letter Requesting Delay of Final Report
2) Blue Sink – analysis shows it can supply up to 3.1 cfs (brought online in March 2018);

3) Tampa Bypass Canal and Hillsborough River Reservoir - diversions to supply up to 11 cfs (has provided supplemental water to the LHR since 2008);

4) Morris Bridge Sink - to supply water up to 6 cfs (permitted – not currently in use);

5) Transmission pipeline evaluation (per Chapter 40D-8.073(3)(b)(2)) (completed (SWFWMD 2018)); and

6) Investigation of water storage or additional water supply options – TAP up to 50 mgd for river augmentation with unspecified allocations for minimum flow purposes (feasibility analysis by the City currently underway).

7.1 Hydrology

The current minimum flows rule specifies a flow of 20 cfs of freshwater equivalent at the base of the reservoir dam from July 1 through March 31 and 24 cfs from April 1 through June 30. The total volume of water required to meet minimum flows is to be augmented by a fresh water equivalent factor, originally determined to be 3 cfs but now under further evaluation by the District. These flow requirements are adjusted per the recovery strategy rule based on a proportionate amount that flow in the Hillsborough River at the USGS gage near Zephyrhills is below 58 cfs. Water flow below the dam including supplemental augmentation data is assessed by year in table 7.1-1 below.

Table 7.1-1 Water flow below the dam, including supplemental augmentation, assessed by year. Based on providing a minimum flow of 20 or 24 cfs (does not include freshwater equivalent factor).

<table>
<thead>
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<tbody>
<tr>
<td>2012</td>
<td>92</td>
<td>0</td>
<td>29</td>
<td>31.5</td>
<td>3.4</td>
<td>-0.2 ± 0.0</td>
<td>-0.2</td>
<td>91</td>
<td>1</td>
</tr>
<tr>
<td>2013</td>
<td>365</td>
<td>1</td>
<td>165</td>
<td>45.3</td>
<td>21.8</td>
<td>-2.2 ± 0.4</td>
<td>-14.4 to -0.1</td>
<td>328</td>
<td>36</td>
</tr>
<tr>
<td>2014</td>
<td>365</td>
<td>4</td>
<td>48</td>
<td>13.3</td>
<td>47.9</td>
<td>-5.0 ± 0.6</td>
<td>-12.2 to -0.4</td>
<td>338</td>
<td>23</td>
</tr>
<tr>
<td>2015</td>
<td>365</td>
<td>27</td>
<td>55</td>
<td>16.3</td>
<td>94.5</td>
<td>-6.5 ± 0.5</td>
<td>-23.2 to -1.0</td>
<td>286</td>
<td>52</td>
</tr>
<tr>
<td>2016</td>
<td>366</td>
<td>15</td>
<td>104</td>
<td>29.6</td>
<td>34.6</td>
<td>-4.2 ± 0.5</td>
<td>-105 to -0.2</td>
<td>315</td>
<td>36</td>
</tr>
<tr>
<td>2017</td>
<td>365</td>
<td>5</td>
<td>197</td>
<td>54.7</td>
<td>31.0</td>
<td>-3.3 ± 0.4</td>
<td>-150 to -0.1</td>
<td>299</td>
<td>61</td>
</tr>
<tr>
<td>2018</td>
<td>151</td>
<td>0</td>
<td>109</td>
<td>72.2</td>
<td>22.9</td>
<td>-1.3 ± 0.2</td>
<td>-64 to -0.1</td>
<td>126</td>
<td>25</td>
</tr>
</tbody>
</table>

Note that for 2018, minimum flow implementation was generally sufficient to meet minimum flow requirements of 20 and 24 cfs. However, additional flow originally identified in the LHR recovery strategy necessary to meet the freshwater equivalent (3 cfs) was not achieved 60 percent of the time (days) for the period from January 01, 2018 through May 31, 2018. The 2018 pumping data indicates that the mean deficit for these days when the minimum flow was not achieved was by an average of 2.3 cfs. Additional small deficits occurred in early 2018 due to a miscommunication between the City and the District regarding supplemental augmentation pumping responsibilities and volume determinations. This was during a period when pump ownership at the dam and S-161 was being transferred from the District to the City. A review of
missing data periods for 2014 through 2017 indicates that these missing data were due to equipment problems and equipment maintenance when pumps were offline.

Now that minimum flow pumping responsibilities at Structures S-161, S-162, the dam, Sulphur Springs and Blue Sink are aligned with those specified in the recovery strategy, and Blue Sink has been brought online as a flow augmentation resource it is expected that minimum flow targets, including the freshwater equivalent, are more likely to be achieved over the next five year evaluation cycle.

All activities and projects proposed in the recovery strategy are either underway, completed, or have been determined not to be viable (in the case of the transmission pipeline). Acquisition of necessary permits and other unforeseen issues have delayed construction and full implementation of some recovery strategy projects. However, important components of the recovery strategy are currently in operation (Sulphur Springs, Blue Sink, and the TBC) or are potentially available (Morris Bridge Sink) as minimum flow recovery sources.

7.2 Water Quality

7.2.1 Discharge Rate and Water Quality

Investigation of relationships between LHR discharge and various water quality parameters suggested that as discharge increases, concentrations of orthophosphate, total nitrogen, and total phosphorus also increase, possibly due to increased land surface runoff. Increased water color values with increased discharge may be related to an increase in turbidity associated with increased land surface runoff, and/or due to an increase in tannic water from increased water flow from the Green Swamp in the portion of the river’s watershed. Conversely, salinity in the study area appeared to decrease with increasing discharge, likely due to dilution of LHR water by freshwater from above the dam. Dissolved oxygen (concentration and percent saturation), and pH also appeared to decrease with increasing discharge, possibly due to increased nutrient levels with the addition of water from behind the dam.

7.2.2 Minimum Flow Periods and Water Quality

Four minimum flow implementation periods (i.e., MFL periods) were used for water quality assessments. The MFL periods and data exclusions were defined as:

- MFL Period 1 - No minimum flow rule in place: October 1, 1979 to February 28, 2002;
- MFL Period 2 - MFLs requiring 10 cfs from Sulphur Springs in place: March 1, 2002 to December 31, 2007;
- MFL Period 3 - MFLs requiring 20 or 24 cfs freshwater equivalents (adjusted for Hillsborough River flow at Zephyrhills) from Sulphur Springs and dam (TBC/reservoir) releases in place: January 1, 2008 to September 30, 2012 (previous hydrobiological assessment period); and
- MFL Period 4 - MFLs requiring 20 or 24 cfs freshwater equivalents (adjusted for Hillsborough River flow at Zephyrhills) from Sulphur Springs, Blue Sink, and dam (TBC/reservoir) release: October 1, 2012 to May 31, 2018 (current 5-year assessment period; encompasses water years 2013 to 2017, partial inclusion of water year 2018).
7.3.4 Overall Biological Community Conclusions

The results from all three types of sampling indicate there have been changes in the aquatic animal communities that inhabit the LHR. The benthic macroinvertebrate and fish communities seem to exhibit some evidence of a shift toward a community more reflective of purely freshwater habitats. Many of the taxa present in the study area are, however, known to be tolerant of a large range of salinities and thus changes in their numbers are difficult to attribute to the observed lower salinity with increasing MFL period (when more water was discharged to the river during periods with no dam discharge). The addition of supplemental water seems to have lowered the mean salinity (particularly in areas closer to the dam) on biological sampling days that occurred after 30 days of no dam discharge. Patterns of abundance for organisms like benthic snails may depend more on the presence of food resources like large mats of algae or aquatic vegetation which are likely dependent on a combination of flow conditions, available light (affected by depth, season, and canopy cover).

Dissolved oxygen levels in the upper study segment appear to have increased after the implementation of minimum flows, possibly contributing to increased species diversity and richness. Some taxa are more sensitive than others to brief periods of low DO, thus longer periods without hypoxic conditions may allow a more diverse community to persist.

The zooplankton community appears to show a positive trend with respect to the presence of oligotrophic indicator taxa. This sampling took place only toward the downstream portion of the study area and thus does not include the area that experienced the largest changes in salinity with increased flow augmentation.

8.0 Considerations

Several factors to be considered in relation to the current recovery strategy were identified during the completion of this five-year assessment report. Identification of these factors led to the development of several key issues or actions for consideration to potentially improve the ability of the District and City to assess and/or consistently meet minimum flow criteria established for the LHR.

- Discuss and seek agreement on any issues related to City and District responsibilities for monitoring, operation and reporting for projects and other activities associated with minimum flows implementation for the LHR.

- Further evaluate the additional flow quantities, based upon measured salinity values below the dam, needed to address the freshwater equivalent noted in the MFL rule (40D-8.041(1)(b).

- As discussed, and currently being evaluated by the District, implement a strategy to supplement Sulphur Springs and Blue Sink as the primary sources for flow augmentation. Sulfur Springs is subject to water quality and quantity fluctuations. The primary sources under consideration are the TAP and the TBCI. Sulphur Springs and Blue Sink could remain as back-up sources.
• Complete biannual (i.e., twice yearly) biological sampling events during the next 5 years to better characterize the response of biological communities to minimum flows implementation. Biannual monitoring (spring and fall) during the next 5-year assessment period would allow a better understanding of the status of the biological community in the LHR and how it has changed over time.

• In light of the results that 10 to 15 percent of the water pumped from the TBC into the reservoir is re-circulated to the TBC and that at most (a few tens of thousands to a few hundred thousand gallons per day) is lost to evaporation/transpiration (Motz et al. 2008, SWFWMD 2008), there is a need to discuss and seek agreement on some LHR recovery strategy rule issues. Specifically, the rule-specified delivery to the base of the Hillsborough River Dam of only 75 percent (8.3 cfs) of the 11 cfs diverted from the TBC to the reservoir for LHR recovery, and the requirement that the City provide an additional 1.9 mgd from some permissible source to address the 25 percent difference between the quantities pumped from the TBC and released to the LHR. The 1.9 mgd quantity, which approximates the hypothesized 25 percent loss associated transfer of water from the TBC through the reservoir to the LHF, is expected to help address any minimum flow deficits. According to the recovery strategy, the 1.9 mgd from a permissible source is to be used in preference to all other recovery flow sources except Sulphur Springs and Blue Sink.

9.0 References


January 29, 2020

Jennette Seachrist, P.E.
Resource Management Division Director
Southwest Florida Water Management District
2379 Broad Street
Brooksville, FL  34604

RE: 5-Year Hydrobiological Assessment of the Lower Hillsborough River

Dear Ms. Seachrist:

We are in receipt of the Draft 5-Year Hydrobiological Assessment of the Lower Hillsborough River (October 2019). We’ve begun to review this report. It is our understanding that your current preferred schedule has this report being finalized and submitted to the governing board in March.

Due to the complexities of the issues and data, we request that finalization and submittal to the governing board be delayed until May 2020. This is to allow all parties necessary time to fully review the issues and data and for SWFWMD staff to have time to review any submitted comments and address them accordingly. I anticipate we could provide formal comments by late April.

Thank you for your consideration.

Sincerely,

Guido Maniscalco, Chair

CC: Stacey White, Vice Chair
Andrew Ross, River Board
Joel Brown, SWFWMD
Dr. Rich Brown, River Board TAC Chair

Guido Maniscalco, Chair
AGENDA ITEM IX.
Consistency Recommendation:
a. Port Tampa Bay No. 19-042
January 27, 2020

Mr. Shawn College  
Hillsborough-City Planning Commission  
County Center, 18th Floor  
PO Box 1110  
Tampa, FL 33601

Reference: Port Tampa Bay (PTB) Minor Work Application No. 19-042

Applicant: Zayo Group, LLC

Project: Proposed Installation of a Three 1.25 Inch HDPE Fiber Conduit  
Communications Subaqueous Horizontal Directional Drill (HDD) Utility  
Pipeline Located Along Western Nebraska Ave./US Hwy 41 ROW, South of  
Waters Ave. in Tampa, FL Traversing Under Hillsborough River; STR 25-28S- 
17E; City of Tampa Hillsborough County

Enclosed is a Tampa Port Authority, d/b/a Port Tampa Bay (PTB), minor work permit application  
for proposed marine construction under the Hillsborough River for inclusion in the agenda for  
the next Hillsborough River Technical Advisory Council. I have included the request and drawings.

Unless additional information is necessary to complete your review, if you have no objections to  
the issuance of a permit for this project or have any comments concerning the project, please submit  
them in writing to this office within fourteen (14) days of receipt of this letter. Please provide written comments to the PTB Environmental Dept. at 1101 Channelside Dr.,  
Tampa, FL 33602 or via email at bbaity@tampaport.com.

Please contact me at 813-905-5033 or ijulien@tampaport.com if you have any questions regarding this proposal.

Sincerely,

Jackie Julien  
Environmental Supervisor  
Port Tampa Bay

Cc: colleges@plancom.org  
Enclosures
PORT TAMPA BAY
ENVIRONMENTAL DEPARTMENT
1101 Channelside Dr. Tampa, FL 33602
Ph: (813) 905-5031 · Fax: (813) 905-5050
www.tampaport.com

MINOR WORK PERMIT
APPLICATION TO PERFORM WORK IN
WATERS OF THE HILLSBOROUGH COUNTY
PORT DISTRICT

For Official Use Only: Application # Date Received:

☐ NEW     ☐ PERMIT REVISION     ☐ AFTER-THE-FACT     WN#

SECTION I

1. MINOR WORK PERMIT APPLICATION - Brief Project Description:
   SUB-AGUEREL BORE ACROSS HILLSBOROUGH RIVER ON WEST SIDE OF N.
   NEBEKRA AVE. APPX 500.

2. PROPERTY OWNER / APPLICANT INFORMATION
   ☐ Request to be present at site inspection
   First Name: Jon
   Last Name: Ray
   Company Name/Title: Zayo / Sr. Director OSP
   Mailing Address: 4830 W Kennedy Blvd. Suite 600
   City: Tampa
   State: FL
   Zip Code: 33609
   Telephone Number: 813-509-2405
   Email Address: Jon.Ray@kcf.com

3. AUTHORIZED AGENT INFORMATION
   ☐ Request to be present at site inspection
   First Name: Aaron
   Last Name: Moon
   Company Name/Title: KCI Technologies / Practice Leader
   Mailing Address: 4041 Crescent Park Dr
   City: Riverview
   State: FL
   Zip Code: 33578
   Telephone Number: 813-386-2896
   Email Address: Aaron.Moon@kcf.com

4. CONTRACTOR INFORMATION
   ☐ Request to be present at site inspection
   First Name: Steve
   Last Name: Young
   Company Name/Title: Young Communications Co. Inc. / Owner
   Mailing Address: 424 West Dr
   City: Melbourne
   State: FL
   Zip Code: 32904
   Telephone Number: 321-506-1431
   Email Address:

PTB #MWP2014

Page 1 of 5

Revised 3/2014
1. LOCATION OF PROPOSED PROJECT
   Site Street
   Address: ___________________________ State: ______ Zip Code: ______
   City: ______________________________ Folio: _______________________
   Number(s): _________________________ Township: ______ Range: ______
   Section: ___________________________ Name of Water Body at
   Project: HILLSBOROUGH RIVER ON NEAR TAHAPA AT SOUTH OF 68TH STREET.

2. PROPOSED USE
   Private Single-Family
   □ Dwelling □ Other (explain): ________________________________
   □ Commercial □ Private Multi-Family Dwelling (Condominium, Apartment, etc.)

3. OWNER OF SUBMERGED LANDS:
   □ Leased Port Property or Port Easement (Check box if applicable and attach information.)

4. PREVIOUS TAMPA PORT AUTHORITY PERMITS ISSUED AT THIS LOCATION:
   Permit Number(s): ___________________________ Date: _____________

5. PROJECT DESCRIPTION
   NOTE: Features and dimensions must be carefully shown on the required application drawings. Please review the attached guidelines provided to ensure that the drawings which you have prepared are acceptable.

   A. STRUCTURES:
   □ NEW WORK □ MAINTENANCE □ ADDITION

   1) DOCK, OBSERVATION DECK, PIER, OR ELEVATED BOARDWALK
      a. Length of Shoreline: _______________ Linear Ft.
      b. Number of Proposed Docks: _______________ No. of Boat Slips/Lifts: __________ / __________
      c. Length from M/OHW to Waterward Edge of Structure: _______________ Ft.
      e. Existing Structure Area: _______________ Sq. Ft.
      g. Overall Area of Facility: _______________ Sq. Ft.

   2) SEAWALLS, RIP-RAP, REVETMENTS OR OTHER SHORELINE STABILIZATION

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a. Length of Shoreline at
   Site: ___________________________ Linear Ft.

b. Length of Work Proposed along
   Shoreline: ___________________________ Linear Ft.

c. Seawall Vertical Height: ____________ Ft.

d. Rip-Rap Slope: Horizontal
   Distance: ____________ Ft.; Vertical Height: ____________ Ft.

e. Type of
   Material: ____________________________

f. Volume
   ____________ Cubic Ft. Below MHW/OHW

3) OTHER TYPE OF STRUCTURE: (Please
   Explain)
   *For Utility Pipeline Projects: Refer to the Guidelines and Engineering Standards for Submerged Land Utility Crossing

B. DREDGING / EXCAVATION

   □ NEW WORK    □ MAINTENANCE

1) DIMENSIONS OF AREAS TO BE DREDGED / EXCAVATED:

   a. Length: ____________ Ft.    Width ____________ Ft.; Total Area: ____________ Sq. Ft.

   b. Depths: Existing ____________________________ ; Proposed ____________________________

   c. Volume
      Above ____________ MHW ____________ ; Below MHW ____________ ; Total ____________ Cubic Ft.

   d. Area
      Above MHW ____________ ; Below MHW ____________ ; Total ____________ Sq. Ft.

2) TYPE OF
   MATERIAL: ____________________________

3) STORAGE OF MATERIAL: □ On-site    □ Off-site Disposal

   Site: ____________________________

   *If material is to be taken off-site, describe the method of material storage, haul routes, and specify
   the location with an attached Affidavit of Authorization from the disposal site's property owner, as
   applicable to the project.

C. FILLING

1) VOLUME:
   Above MHW ____________ ; Below MHW ____________ ; Total ____________ Cubic Ft.

2) AREA:
   Above MHW ____________ ; Below MHW ____________ ; Total ____________ Sq. Ft.

3) CONTAINMENT: Seawall ____________ Dike ____________ Other (explain): ____________

4) TYPE OF
   MATERIAL: ____________________________

5) SOURCE OF MATERIAL: □ On-site □ Off-site:

   *Refer to the Fill Checklist for material sampling requirements and other applicable information.

6. WORK SCHEDULE:  To Begin Project On: _______/_____/______ And Be Completed By: _______/_____/______

   OCT 2 1 2019

   ENVIRONMENTAL DEPT.

   *Refer to the Fill Checklist for material sampling requirements and other applicable information.

PTB #MWP2014

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Revised 03/2014
SECTION III
PROJECT SITE ADJACENT RIPARIAN PROPERTY OWNERS:
(Please include Name, Address, Telephone Number, and Email)

Thomas * Rita Jones Life Estate
Owner Name(s)

Company Name/Title

818 E. Hollywood St.
Mailing Address

Tampa, FL 33604
City, State; Zip Code

Telephone Number/Email

SECTION IV
AFFIDAVIT OF OWNERSHIP OR CONTROL of the property on which the proposed project is to be undertaken
I CERTIFY THAT: (Must Check the Appropriate Box)

☐ I am the record owner, lessee, or record easement holder of the property described below.

☐ I am not the record owner, lessee, or record easement holder of the property described below, but I will have the requisite property interest before undertaking the proposed project. (Please Explain in Remarks/Comments Section)

LEGAL DESCRIPTION OF PROJECT PROPERTY: (Use additional sheets, if necessary)
SUB-ASSESSUS ROOF ACROSS HILLSBOROUGH RIVER ON WESTSIDE OF H
NORESCA AVE. TARPON BD

Print Name of Owner/Applicant

Signature of Owner/Applicant

Sworn to and subscribed before me at this 17th day of October 2019

Hillsborough County, Florida

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OCT 21 2019

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SECTION V

CERTIFICATION & AUTHORIZATION:

a. I authorize the agent listed in Section I to negotiate modifications or revisions, when necessary, and accept or assent to any stipulations on my behalf.

b. I understand I may have to provide any additional information/data that may be necessary to provide reasonable assurance of evidence to show that the proposed project will comply with applicable water quality standards or other environmental standards both before construction and after the project is completed.

c. In addition, I agree to provide entry to the project site for inspectors with proper identification or documents as required by law from the environmental agencies for the purpose of making preliminary analyses of the site. Further, I agree to provide entry to the project site for such inspectors to monitor permitted work, if a permit is granted.

d. Further, I hereby acknowledge the obligation and responsibility for obtaining all of the local, state and federal permits before commencement of any activity.

I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate and complete. I further certify that I possess the authority to undertake the proposed activity.

Signature of Owner/Applicant Date

NOTE: This application must be signed by the person who desires to undertake the proposed activity or by an authorized agent. If an agent is applying on behalf of the applicant who is not the property owner, attach proof of authorization for the agent to bind the property owner.

PLEASE SUBMIT COMPLETED APPLICATION, REQUIRED DRAWINGS, AND FEE(S) TO:
TAMPA PORT AUTHORITY
ATTN: ENVIRONMENTAL DEPARTMENT
1101 CHANNELSIDE DR.
TAMPA, FL 33602

RECEIVED
OCT 21 2019
ENVIRONMENTAL DEPT.
August 2, 2019

To Whom It May Concern,

We hereby authorize the following contractor to perform Engineering and Permit Submittals’ on Zayo Group, LLC’s behalf: **KCI Technologies**. In performing Engineering and ROW Permit submittals, the contractor will act as our representative and agent, and we hereby accept full responsibility for the contractor’s activities in the public right-of-way.

As the owner if the facilities being installed or repaired in the public right-of-way, we understand that we are responsible for compliance with all applicable provisions of the ROW Owners UAM. All required bonds and/or letters of responsibility will be issued in our name, rather than the Contractor’s name.

Sincerely,

[Signature]

Jon Ray
Zayo Group, LLC
Sr. Director OSP Central Florida
(813) 417-2184

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OCT 21 2019
ENVIRONMENTAL DEPT.

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Roger M. Simpson, III, Director
Underlying Rights | Fiber Solutions | Central Region
Law Department
Zayo Group, LLC
1805 29th Street | Boulder, CO | 80301
p: (407) 741-3750 | e: roger.simpson@zayo.com | www.zayo.com

19-042
YOUNG'S COMMUNICATION

FRAC-OUT CONTINGENCY PLAN

FOR

DIRECTIONAL DRILLING
FRAC-OUT CONTINGENCY PLAN (FCP)

Drilling operations will be halted by the drill rig operators immediately upon detection of a drop in drilling pressure or other evidence of a frac-out. The clean-up of all spills shall begin immediately. Management and the safety department shall be notified immediately of any spills and shall be consulted regarding clean-up procedures. A spill kit shall be on-site and used if a frac-out occurs. A vacuum truck and containment materials, such as straw bales, shall also be on-site prior to and during all operations. The site supervisor will be immediately notified. In the event of a frac-out, the on-site foreman/supervisor will conduct an evaluation of the situation and direct recommended mitigation actions, based on the following guidelines:

- If the frac-out is minor, easily contained, has not reached the surface and is not threatening sensitive resources, drilling operations may resume after the use of a leak stopping compound or redirection of the bore.
- If the frac-out has reached the surface, any material contaminated with bentonite shall be removed by hand to a depth of 2 feet, contained and properly disposed of, as required by law. The drilling contractor shall be responsible for ensuring that the bentonite is either properly disposed of at an approved disposal facility or properly recycled in an approved manner. The site supervisor shall notify and take any necessary follow-up response actions in coordination with agency representatives. The site supervisor will coordinate the mobilization of equipment stored at off-site locations (e.g., vacuum trucks) on an as needed basis.

1.0 Site Supervisor/Foreman Responsibilities

The site supervisor/foreman has overall responsibility for implementing this FCP. The site supervisor/foreman will ensure that all employees are trained prior to all drilling. The site supervisor/foreman shall be notified immediately if a frac-out is detected. The site supervisor/foreman will be responsible for ensuring that the safety department is aware of the frac-out, coordinating personnel, response, cleanup, regulatory agency notification and coordination to ensure proper clean-up, disposal of recovered material and timely reporting of the incident. The site supervisor/foreman shall ensure all waste materials are properly containerized, labeled, and removed from the site to an approved disposal facility by personnel experienced in the removal, transport, and disposal of drilling mud.

2.0 Equipment

The site supervisor shall ensure that:

- All equipment and vehicles are checked and maintained daily to prevent leaks of hazardous materials
- Spill kits and spill containment materials are available on-site at all times and that the equipment is in good working order

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• Equipment required to contain and clean up a frac-out release will either be available at the work site or readily available at an offsite location within 15 minutes of the bore site.

3.0 Training

Prior to the start of construction, the site supervisor/foreman, shall ensure that the crew members receive training in the following:

• The provisions of the Frac-out Contingency Plan, equipment maintenance and site specific permit and monitoring requirements
• Inspection procedures for release prevention and containment equipment and materials
• Contractor/crew obligation to immediately stop the drilling operation upon first evidence of the occurrence of a frac-out and to immediately report any frac-out releases
• Contractor/crewmember responsibilities in the event of a release
• Operation of release prevention and control equipment and the location of release control materials, as necessary and appropriate, and
• Protocols for communication with agency representatives who might be on-site during the clean-up effort.

4.0 Drilling Procedures

Drilling pressures shall be closely monitored so they do not exceed those needed to penetrate the formation. Pressure levels shall be monitored randomly by the operator. Pressure levels shall be set at a minimum level to prevent frac-outs. During the pilot bore, maintain the drilled annulus. Cutters and reamers will be pulled back into previously drilled sections after each new joint of pipe is added.

Once the drill rig is in place, and the drilling begins, the drill operator shall stop work whenever the pressure in the drill rig drops, or there is a lack of returns in the entrance pit. At this time, the site supervisor/foreman shall be informed of the potential frac-out. The site supervisor/foreman and the drill rig operator(s) shall work to coordinate the likely location of the frac-out. The location of the frac-out shall be recorded and notes made on the location and measures taken to address the concern.

A vacuum truck shall be staged at a location from which it can be mobilized and relocated so that any piece along the drill shot can be reached by the apparatus within ten minutes of a frac-out.

5.0 Field Response to a Frac-out Occurrence

The response of the field crew to a frac-out release shall be immediate and in accordance with the procedures identified in this plan. All appropriate emergency actions that do not pose additional threats to sensitive resources will be taken, as follows:
• Directional boring will stop immediately
• The bore stem will be pulled back to relieve pressure on the frac-out
• The site supervisor/foreman will be notified to ensure that management and the safety department are notified, adequate response actions are taken and notifications are made
• The site supervisor/foreman shall evaluate the situation and recommend the type and level of response warranted, including the level of notification required
• If the frac-out is minor, easily contained, and has not yet reached the surface and is not threatening sensitive resources, a leak stopping compound shall be used to block the frac-out. If the use of leak stopping compound is not fully successful, the bore stem shall be redirected to a new location along the desired drill path where the frac-out has not occurred
• If the frac-out has reached the surface, any material contaminated with bentonite shall be removed by hand to a depth of two feet, contained and properly disposed of, as required by law. A dike or berm may be constructed around the frac-out to trap released drilling fluid, if necessary. Clean sand shall be placed and the area returned to pre-project contours.

6.0 Construction Re-start

For small releases not requiring external notification, drilling may continue, if 100 percent of the containment is achieved through the use of a leak stopping compound or redirection of the bore and the clean-up crew remains at the frac-out location throughout the construction period.

For releases requiring external notification and/or other agencies, construction activities will not restart without prior approval from the safety department.

7.0 Bore Abandonment

Abandonment of the bore will only be required when all efforts to control the frac-out within the existing directional bore have failed.

8.0 Notification

In the event of a frac-out, the site supervisor/foreman will notify the safety department so they can notify the appropriate resource agencies. All agency notifications will occur within 24 hours and proper documentation will be accomplished in a timely and complete manner. The following information will be provided:

• Name and telephone number of the person reporting
• Location of the release
• Date and time of the release
• Type and quantity, estimated size of the release
• How the release occurred
• The type of activity that was occurring around the area of the frac-out
• Description of any sensitive areas, and their location in relation to the frac-out
• Description of the methods used to clean up or secure the site, and
• Listing of the current permits obtained for the project.

9.0 Communicating with Regulatory Agency Personnel

All employees and subcontractors will adhere to the following protocols when permitting regulatory agency personnel to arrive on site. Regulatory agency personnel will be required to comply with appropriate safety rules. Only the site supervisor/foreman and safety department personnel are to coordinate communication with regulatory agency personnel.

10.0 Documentation

The site supervisor/foreman shall record the frac-out event in his or her daily log. The log will include the following:

• Details on the release event
• An estimate of the amount of bentonite released
• The location and time of the release
• The size of the area impacted, and
• The success of the clean-up action.

The log report shall also include:

• Name and telephone number of the person reporting the release event
• Date
• How the release occurred
• The type of activity that was occurring around the area of the frac-out
• Description of any sensitive areas, and their location in relation to the frac-out
• Description of the methods used to clean up or secure the site, and
• A listing of the current permits obtained for the project.

11.0 Project Completion and Clean-up

• All materials and any rubbish-construction debris shall be removed from the construction zone at the end of each workday
• Sump pits at bore entry and exits shall be filled and returned to natural grade, and
• All protective measures (fiber rolls, straw bales, silt fences etc.) will be removed unless otherwise specified by the site supervisor/foreman.
AGENDA ITEM IX.
Consistency Recommendation:
b. Port Tampa Bay No. 19-044
January 27, 2020

Mr. Shawn College
Hillsborough-City Planning Commission
County Center, 18th Floor
PO Box 1110
Tampa, FL 33601

Reference: Port Tampa Bay (PTB) Minor Work Application No. 19-044

Applicant: Zayo Group, LLC

Project: Proposed Installation of a Three 1.25 Inch HDPE Fiber Conduit Communications Subaqueous Horizontal Directional Drill (HDD) Utility Pipeline Located Along Southern Brorein St. ROW in Tampa, FL Traversing Under Hillsborough River; STR 24-29S-18E; City of Tampa Hillsborough County

Enclosed is a Tampa Port Authority, d/b/a Port Tampa Bay (PTB), minor work permit application for proposed marine construction under the Hillsborough River for inclusion in the agenda for the next Hillsborough River Technical Advisory Council. I have included the request and drawings.

Unless additional information is necessary to complete your review, if you have no objections to the issuance of a permit for this project or have any comments concerning the project, please submit them in writing to this office within fourteen (14) days of receipt of this letter. Please provide written comments to the PTB Environmental Dept. at 1101 Channelside Dr., Tampa, FL 33602 or via email at bbaity@tampaport.com.

Please contact me at 813-905-5033 or jjulien@tampaport.com if you have any questions regarding this proposal.

Sincerely,

Jackie Julien
Environmental Supervisor
Port Tampa Bay

Cc: colleges@plancom.org

Enclosures
MINOR WORK PERMIT
APPLICATION TO PERFORM WORK IN
WATERS OF THE HILLSBOROUGH COUNTY
PORT DISTRICT

For Official Use Only: Application # 19 - 04 Date Received:

☐ NEW ☐ PERMIT REVISION ☐ AFTER-THE-FACT W/N#

SECTION I

1. MINOR WORK PERMIT APPLICATION - Brief Project Description:

SUBAQUOUS BORE ACROSS HILLSBOROUGH RIVER APPROX 50' ON BROOKSTON ST, EAST OF BAYSTREET BLVD.

2. PROPERTY OWNER / APPLICANT INFORMATION

☐ Request to be present at site inspection

First Name: Jon

Last Name: Ray

Company Name/Title: Zayo Sr. Director OSP

Mailing Address: 4830 W Kennedy Blvd. Suite 600

City: Tampa

State: FL

Zip Code: 33609

Telephone Number: 813-509-2405

Email Address: Jon.Ray@kci.com

3. AUTHORIZED AGENT INFORMATION

☐ Request to be present at site inspection

First Name: Aaron

Last Name: Moon

Company Name/Title: KCI Technologies / Practice Leader

Mailing Address: 4041 Crescent Park Dr

City: Riverview

State: FL

Zip Code: 33578

Telephone Number: 813-386-2896

Email Address: Aaron.Moon@kci.com

4. CONTRACTOR INFORMATION

☐ Request to be present at site inspection

First Name: Steve

Last Name: Young

Company Name/Title: Young Communications Co. Inc. / Owner

Mailing Address: 424 West Dr

City: Melbourne

State: FL

Zip Code: 32904

Telephone Number: 321-506-1431

Email Address: 

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SECTION II

1. LOCATION OF PROPOSED PROJECT
Site Street
Address:
City: ___________________ State: _______ Zip Code: _______
Folio Number(s): __________________________
Section: ______________ Township: ___________ Range: ___________
Name of Water Body at Project: ____________________________

2. PROPOSED USE
  Private Single-Family □
  Commercial □
  □ Private Multi-Family Dwelling (Condominium, Apartment, etc.)
  □ Other (explain): ____________________________

3. OWNER OF SUBMERGED LANDS:
  □ Leased Port Property or Port Easement (Check box if applicable and attach information.)

4. PREVIOUS TAMPA PORT AUTHORITY PERMITS ISSUED AT THIS LOCATION:
   Permit Number(s): __________________ Date: __________________

5. PROJECT DESCRIPTION
   NOTE: Features and dimensions must be carefully shown on the required application drawings. Please review the attached guidelines provided to ensure that the drawings which you have prepared are acceptable.

   A. STRUCTURES:
      □ NEW WORK □ MAINTENANCE □ ADDITION

      1) DOCK, OBSERVATION DECK, PIER, OR ELEVATED BOARDWALK
         a. Length of Shoreline: ___________________ Linear Ft.
         b. Number of Proposed Docks: ___________________ No. of Boat Slips/Lifts: __________ / __________
         c. Length from M/OHW to Waterward Edge of Structure: ___________________ Ft.
         e. Existing Structure Area: ___________________ Sq. Ft.
         g. Overall Area of Facility: ___________________ Sq. Ft.

      2) SEAWALLS, RIP-RAP, REVETMENTS OR OTHER SHORELINE STABILIZATION:

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19-044

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a. Length of Shoreline at Site: ____________________ Linear Ft.

b. Length of Work Proposed along Shoreline: ____________________ Linear Ft.

c. Seawall Vertical Height: ____________________ Ft.

d. Rip-Rap Slope: Horizontal Distance: ____________________ Ft.; Vertical Height: ____________________ Ft.

e. Type of Material: ____________________


3) OTHER TYPE OF STRUCTURE: (Please Explain) PROPOSED 4" HDPE SDR11 CASING W/10" CD W/ 2-2' HDPE SDR11 + TRACER WIRE 2.375" OD HDPE.
*For Utility Pipeline Projects: Refer to the Guidelines and Engineering Standards for Submerged Land Utility Crossing

B. DREDGING / EXCAVATION

☐ NEW WORK  ☐ MAINTENANCE

1) DIMENSIONS OF AREAS TO BE DREDGED / EXCAVATED:
   a. Length: _______ Ft.; Width _______ Ft.; Total Area: _______ Sq. Ft.
   b. Depths: Existing: _______; Proposed: ______;
   c. Volume: Above MHW _______; Below MHW _______; Total _______ Cubic Ft.
   d. Area: Above MHW _______; Below MHW _______; Total _______ Sq. Ft.

2) TYPE OF MATERIAL: ____________________

3) STORAGE OF MATERIAL: ☐ Storage  ☐ Site: ____________________
   *If material is to be taken off-site, describe the method of material storage, haul routes, and specify the location with an attached Affidavit of Authorization from the disposal site's property owner, as applicable to the project.

C. FILLING

1) VOLUME: Above MHW _______; Below MHW _______; Total _______ Cubic Ft.

2) AREA: Above MHW _______; Below MHW _______; Total _______ Sq. Ft.

3) CONTAINMENT: Seawall _______;  Dike _______; Other (explain): ____________________

4) TYPE OF MATERIAL: ____________________

5) SOURCE OF MATERIAL: ☐ On-site  ☐ Off-site: ____________________
   *Refer to the Fill Checklist for material sampling requirements and other applicable information.

6. WORK SCHEDULE: To Begin Project On: 11/27/19  And Be Completed By: 11/29/19

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SECTION III

PROJECT SITE ADJACENT RIPARIAN PROPERTY OWNERS:
(Please include Name, Address, Telephone Number, and Email)

Tampa Expy Authority
Owner Name(s)

1104 E. Twiggs St., Ste 300
Company Name/ Title

Tampa, Fl 33602
Mailing Address

City; State; Zip Code

Telephone Number/Email

SECTION IV

AFFIDAVIT OF OWNERSHIP OR CONTROL of the property on which the proposed project is to be undertaken
I CERTIFY THAT: (Must Check the Appropriate Box)

☐ I am the record owner, lessee, or record easement holder of the property described below.

☐ I am not the record owner, lessee, or record easement holder of the property described below, but I will have the
  requisite property interest before undertaking the proposed project. (Please Explain in Remarks/Comments Section)

LEGAL DESCRIPTION OF PROJECT PROPERTY: (Use additional sheets, if necessary)
SUB-AQUATICS ROAD ACCESS HILLSBOROUGH CINPE APPROX 900' ON
GREEN ST. EAST OF BAYSHORE BLVD.

Print Name of Owner/Applicant

Signature of Owner/Applicant

Sworn to and subscribed before me at Hillborough County, Florida
this 17th day of October 2019

PTB #MWP2014
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SECTION V

CERTIFICATION & AUTHORIZATION:

a. I authorize the agent listed in Section I to negotiate modifications or revisions, when necessary, and accept or assent to any stipulations on my behalf.

b. I understand I may have to provide any additional information/data that may be necessary to provide reasonable assurance of evidence to show that the proposed project will comply with applicable water quality standards or other environmental standards both before construction and after the project is completed.

c. In addition, I agree to provide entry to the project site for inspectors with proper identification or documents as required by law from the environmental agencies for the purpose of making preliminary analyses of the site. Further, I agree to provide entry to the project site for such inspectors to monitor permitted work, if a permit is granted.

d. Further, I hereby acknowledge the obligation and responsibility for obtaining all of the local, state and federal permits before commencement of any activity.

I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate and complete. I further certify that I possess the authority to undertake the proposed activity.

Signature of Owner/Applicant __________________________ Date 10/11/19

NOTE: This application must be signed by the person who desires to undertake the proposed activity or by an authorized agent. If an agent is applying on behalf of the applicant who is not the property owner, attach proof of authorization for the agent to bind the property owner.

PLEASE SUBMIT COMPLETED APPLICATION, REQUIRED DRAWINGS, AND FEE(S) TO:
TAMPA PORT AUTHORITY
ATTN: ENVIRONMENTAL DEPARTMENT
1101 CHANNELSIDE DR.
TAMPA, FL 33602

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August 2, 2019

To Whom It May Concern,

We hereby authorize the following contractor to perform Engineering and Permit Submittals' on Zayo Group, LLC’s behalf: **KCI Technologies**. In performing Engineering and ROW Permit submittals, the contractor will act as our representative and agent, and we hereby accept full responsibility for the contractor’s activities in the public right-of-way.

As the owner if the facilities being installed or repaired in the public right-of-way, we understand that we are responsible for compliance with all applicable provisions of the ROW Owners UAM. All required bonds and/or letters of responsibility will be issued in our name, rather than the Contractor’s name.

Sincerely,

[Signature]

Jon Ray  
Zayo Group, LLC  
Sr. Director OSP Central Florida  
(813) 417-2184

---

Roger M. Simpson, Ill, Director  
Underlying Rights | Fiber Solutions | Central Region  
Law Department  
Zayo Group, LLC  
1805 29th Street | Boulder, CO | 80301  
p: (407) 741-3793 | e: roger.simpson@zayo.com | www.zayo.com

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YOUNG'S COMMUNICATION
FRAC-OUT CONTINGENCY PLAN
FOR
DIRECTIONAL DRILLING
FRAC-OUT CONTINGENCY PLAN (FCP)

Drilling operations will be halted by the drill rig operators immediately upon detection of a drop in drilling pressure or other evidence of a frac-out. The clean-up of all spills shall begin immediately. Management and the safety department shall be notified immediately of any spills and shall be consulted regarding clean-up procedures. A spill kit shall be on-site and used if a frac-out occurs. A vacuum truck and containment materials, such as straw bales, shall also be on-site prior to and during all operations. The site supervisor will be immediately notified. In the event of a frac-out, the on-site foreman/supervisor will conduct an evaluation of the situation and direct recommended mitigation actions, based on the following guidelines:

- If the frac-out is minor, easily contained, has not reached the surface and is not threatening sensitive resources, drilling operations may resume after the use of a leak stopping compound or redirection of the bore.
- If the frac-out has reached the surface, any material contaminated with bentonite shall be removed by hand to a depth of 2 feet, contained and properly disposed of, as required by law. The drilling contractor shall be responsible for ensuring that the bentonite is either properly disposed of at an approved disposal facility or properly recycled in an approved manner. The site supervisor shall notify and take any necessary follow-up response actions in coordination with agency representatives. The site supervisor will coordinate the mobilization of equipment stored at off-site locations (e.g., vacuum trucks) on an as needed basis.

1.0 Site Supervisor/Foreman Responsibilities

The site supervisor/foreman has overall responsibility for implementing this FCP. The site supervisor/foreman will ensure that all employees are trained prior to all drilling. The site supervisor/foreman shall be notified immediately if a frac-out is detected. The site supervisor/foreman will be responsible for ensuring that the safety department is aware of the frac-out, coordinating personnel, response, cleanup, regulatory agency notification and coordination to ensure proper clean-up, disposal of recovered material and timely reporting of the incident. The site supervisor/foreman shall ensure all waste materials are properly containerized, labeled, and removed from the site to an approved disposal facility by personnel experienced in the removal, transport, and disposal of drilling mud.

2.0 Equipment

The site supervisor shall ensure that:

- All equipment and vehicles are checked and maintained daily to prevent leaks of hazardous materials
- Spill kits and spill containment materials are available on-site at all times and that the equipment is in good working order
• Equipment required to contain and clean up a frac-out release will either be available at the work site or readily available at an offsite location within 15 minutes of the bore site.

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