PUBLIC NOTICE

REQUEST FOR PERMISSION TO ALTER A U.S. ARMY CORPS OF ENGINEERS PROJECT UNDER SECTION 408

TITLE: Burlington County Bridge Commission – Tacony-Palmyra Bridge Submarine Cable Replacement Project at the Delaware River's Philadelphia to Trenton Federal Navigation Channel in the Borough of Palmyra, Burlington County, New Jersey

PUBLIC NOTICE IDENTIFICATION NUMBER: 408-NAP-2025-0003

PUBLIC NOTICE COMMENT PERIOD:

Begins: 28 January 2025

Expires: 27 February 2025

Interested parties are hereby notified that an application has been received for a Department of the Army Section 408 permission for certain work at or near a federal project of the United States, as described below and shown on attached figures. Written comments are being solicited from anyone having an interest in the requested alteration. Comments will become part of the U.S. Army Corps of Engineers' (USACE's) administrative record and will be considered in determining whether to approve the request. Comments supporting, opposing, or identifying concerns that should be considered by the USACE in its decision process are all welcome.

This public notice is not a paid advertisement and is for public information only. Issuance of this notice does not imply USACE endorsement of the project as described.

1. REQUESTOR: In compliance with 33 USC 408 (Section 14 of the Rivers and Harbors Act of 1899; hereinafter Section 408), the Burlington County Bridge Commission has requested permission to replace submarine cables beneath the Delaware River's Philadelphia to Trenton Federal Navigation Channel in the Borough of Palmyra, Burlington County, New Jersey.

2. LOCATION: The proposed project is located at the bascule span of the Tacony-Palmyra Bridge between Bridge Pier "E" and Bridge Pier "F" in the Borough of Palmyra, Burlington County, New Jersey, at approximate center coordinates 40.011631, -75.042677.

3. LOCATION MAP(S)/DRAWING(S): Please see attached Project Plan Sheets 1 - 12.

4. REQUESTER'S PROPOSED ACTION: The proposed action entails the installation of five (5) submarine cables [i.e. two (2) power cables, two (2) control cables, and one (1) fiber optic cable] within a single cable trough trenched using a water jet to 4.0-feet below the existing mudline of the Delaware River within the footprint of the Philadelphia to Trenton

Federal Navigation Channel. Upon exiting the mudline, the cables will diverge and extend up Bridge Pier "E" and Bridge Pier "F" to splice points located above the 100-year flood line.

The stated purpose of the project is to replace existing cables which are approaching their end-of-service life, as well as upgrade information technology and communications infrastructure for devices installed on the bridge.

5. REGULATORY AUTHORITY: This request will be reviewed according to the provisions of Section 14 of the Rivers and Harbors Act of 1899 (33 U.S.C. 408). A requestor has the responsibility to acquire all other permissions or authorizations required by federal, state, and local laws or regulations, including any required permits from the USACE Regulatory Program under Section 10 of the Rivers and Harbors Act of 1899 (33 USC 403), Section 404 of the Clean Water Act (33 USC Section 1344) and/or Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 USC 1413). Any Section 10/404/103 permit decision associated with the proposed alteration is separate from and will not be included in the Section 408 permission decision. An approval under Section 408 does not grant any property rights or exclusive privileges nor does it authorize any injury to the property or rights of others.

6. ENVIRONMENTAL COMPLIANCE: A decision on a Section 408 request is a federal action, and therefore subject to the National Environmental Policy Act (NEPA) and other environmental compliance requirements. While ensuring compliance is the responsibility of USACE, the requester is providing all information that the Philadelphia District identifies as necessary to satisfy all applicable federal laws, executive orders, regulations, policies, and ordinances. Based on information provided by the applicant to date, current Corps regulations governing NEPA implementation, and/or the contents of existing NEPA documentation if available, it is likely that the proposed action will be determined to be categorically excluded from the need to prepare an Environmental Assessment (EA) or Environmental Impact Statement (EIS). This determination will be finalized following completion of agency coordination and prior to issuance of the Section 408 Permission Decision.

7. EVALUATION: As part of its evaluation, USACE will first make a determination that the submittal from the requestor is complete. The Philadelphia District is working closely with the requestor to ensure that all required technical plans, maps, drawings, and specifications are provided and are complete. Once the package is complete, a District-led review will be conducted to determine, in accordance with Engineering Circular (EC) 1165-2-216, whether the proposed alteration will impair the usefulness of the USACE Project or be injurious to the public interest, as follows:

- A. *Impair the Usefulness of the Project Determination*. The Philadelphia District's Section 408 review team will determine if the proposed alteration will limit the ability of the federally authorized project to function as authorized, or will compromise or change any authorized project conditions, purposes or outputs.
- B. *Injurious to the Public Interest Determination*. Proposed alterations will be reviewed to determine the probable impacts, including cumulative impacts, on the public interest. Evaluation of the probable impacts that the proposed alteration to the

USACE project may have on the public interest requires a careful weighing of all those factors that are relevant in each particular case. Factors that may be relevant to the public interest depend upon the type of USACE project being altered and may include, but are not limited to, such things as conservation, economic development, historic properties, cultural resources, environmental impacts, water supply, water quality, flood hazards, floodplains, residual risk, induced damages, navigation, shore erosion or accretion, and recreation. The decision whether to approve an alteration will be determined by the consideration of whether benefits are commensurate with risks. If the potential detriments are found to outweigh the potential benefits, then it may be determined that the proposed alteration is injurious to the public interest.

8. SOLICITATION OF COMMENTS: The USACE is soliciting comments from the public; federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of the proposed activity. Any comments received will be considered by USACE to determine whether to issue, modify, condition, or deny a permission for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are considered in making a final determination whether the proposed action will be categorically excluded from the need to prepare further NEPA documentation. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

- A. It should be noted that materials submitted as part of the Section 408 request become part of the public record and are thus available to the general public under the procedures of the Freedom of Information Act (FOIA). Individuals may submit a written request to the Philadelphia District Corps of Engineers, Office of Counsel to obtain copies of said materials under the FOIA.
- B. It is presumed that all parties viewing this notice will wish to respond to this public notice; therefore, a lack of response will be interpreted as meaning that there is no objection to the project as described.

9. COMMENT SUBMISSION AND ADDITIONAL INFORMATION: Written comments on the described work should reference the USACE Public Notice Identification Number found on the first page of this notice. Comments must reach this office no later than the stated expiration date of the Public Notice to become part of the record and be considered in the decision. Comments or requests for additional information should be emailed or mailed to the following address:

Email: Bishel.Baby@usace.army.mil U.S. Army Corps of Engineers Philadelphia District Attn: Bishel B. Baby 1650 Arch Street, 7th Floor Philadelphia, PA 19103-2004 BURLINGTON COUNTY BRIDGE COMMISSION

TACONY-PALMYRA BRIDGE

OVER THE DELAWARE RIVER tacony, pennsylvania palmyra, new jersey SUBMARINE CABLE INSTALLATION

BCBC2024XX



SEQUENCE OF CONSTRUCTION:

(RIGID CONDUIT INSTALLATION FOR POWER AND CONTROL) PIER E DOWSTREAM:

- 1. INSTALL TEMPORARY SHIELDING SUCH THAT NO DEBRIS OR OTHER MATERIAL IS DROPPED INTO THE DELAWARE RIVER.
- 2.COORDINATE WITH BURLINGTON COUNTY BRIDGE COMMISSION TO INSTALL TEMPORARY TRAFFIC CONTROL IN ACCORDANCE WITH THE PROJECT DOCUMENTS.

3.INSTALL ONE NEMA-RATED SUBMARINE CABLE TERMINATION BOX ON PIER E, ABOVE LOWER LEVEL OF CATWALK. BOTTOM OF TERMINATION BOX SHALL BE SET AT THE 100-YEAR FLOOD ELEVATION OF 10.0' (NAD83). BOX SHALL PROVODE FOUR PENETRATIONS IN THE BOTTOM OF THE BOX: TWO FOR SUBMARINE CABLE, AND TWO FOR 4* RIGID STEEL CONDUIT FOR RISER CONTROL. INSTALL TERMINAL BLOCKS FOR 60-CONDUCTOR CONTROL INSIDE BOX.

- 4 INSTALL ONE NEMA-RATED SUBMARINE CABLE POWER TERMINAL BOX ON PIER & ABOVE LOWER LEVEL OF CATWALK BOTTOM OF TERMINATION BOX SHALL BE SET AT THE 100-YEAR FLOOD ELEVATION OF 10.0" (NAD83) BOX SHALL PROVODE FOUR PENETRATIONS IN THE OF ILU (INADS). BOX SHALL PROVIDE FOUR PENEIRATIONS IN THE BOTTOM OF THE BOX; TWO FOR SUBMARINE CABLE, AND TWO FOR 5° RIGID STEEL CONDUIT FOR RISER POWER, POWER CABINET SHALL BE PREPARED FOR FUTURE INSTALLATION OF TWO 3-CONDUCTOR COPPER 600V CABLE STRAIGHT-SPLICED TO RISER CABLE.
- 5 CHANNEL IRON AND SUBMARINE CABLE TERMINATION SUPPORTS FOR TWO POWER SUBMARINE CABLES (3.6" OD) AND TWO CONTROL SUBMARINE CABLES (3.2" OD) SHALL BE INSTALLED BELOW TERMINATION BOXES
- 6.FROM BOTTOM OF CONTROL SUBMARINE CABLE BOX, INSTALL TWO RUNS OF 4" RIGID STEEL CONDUIT THROUGH THE ARCH SPAN (WEST FACE) TO THE DOWNSTREAM-SOUTH FACE OF PIER E. INSTALL PULL BOX AROUND CORNER, CONTINUE RIGID STEEL UP SOUTH FACE TOWER AND INSTALL NEW PULL BOX AT EDGE STREET LEVEL BELOW RAILING.
- 7.CORE THREE 6" PENETRATIONS THROUGH SOUTH FACE OF CONTROL TOWER E BELOW THE TOP OF MASONRY AND BOTTOM OF TOWER WINDOWS

8.INSTALL PULL BOX AROUND CORNER. CONTINUE RIGID STEEL UP SOUTH FACE TOWER AND INSTALL NEW PULL BOX AT EDGE STREET LEVEL BELOW RAILING.

9.CONTINUE INSTALALTION OF 4* RIGID STEEL CONDUIT FROM STREET LEVEL PULL BOX TO PENETRATIONS AT CONTROL TOWER. FASTEN AND GROUT CONNECTIONS THROUGH TOWER WALL.

10. FROM BOTTOM OF CONTROL SUBMARINE CABLE BOX, INSTALL TWO RUNS OF 5" RIGID STEEL CONDUIT THROUGH THE ARCH SPAN (WEST FACE) TO THE DOWNSTREAM-SOUTH FACE OF PIER E.

11. DIVERT HIGHEST ATTACHED 5" RIGID STEEL CONDUIT UP SOUTH FACE OF TOWER ON INSIDE OF BASCULE SPAN IN-BETWEEN STEEL WORK.

12. AT REGULATOR ROOM, OUTSIDE WALL, CORE 6" PENETRATION INSTALL PULL BOX ON INSIDE OF REGULATOR ROOM.

13. CONTINUE 5" RIGID STEEL THROUGH WALL PENETRATION TO PULL

14. CONTINUE INSTALLATION OF 5" RIGID STEEL AT BOTTOM OF PIER AROUND CORNER THROUGH EXISTING PULL BOX, UP WALL, THROUGH STREET LEVEL PULL BOX, TERMINATING AT OTHER 6" PENETRATION THROUGH TOWER.

(RIGID CONDUIT INSTALLATION FOR FIBER) PIER E UPSTREAM:

15. INSTALL ONE NEMA-RATED SUBMARINE CABLE TERMINATION BOX ON IS INSTALL ONE NEMA-RATED SUBMARINE CALLE TERMINATION BOX ON PIER E, ABOVE FENDER. BOTTOM OF TERMINATION BOX SHALL BE SET AT THE 100-YEAR FLOOD ELEVATION OF 10.0' (NADB3). BOX SHALL PROVIDE ONE PENETRATION IN THE BOTTOM OF THE BOX AND ONE IN THE SIDE (ARCH SPAN SIDE); 4' RIGID STEEL CONDUIT FOR RISER CONTROL

16. CHANNEL IRON AND SUBMARINE CABLE TERMINATION SUPPORTS FOR FIBER SUBMARINE CONDUIT (3.6" OD) SHALL BE INSTALLED BELOW TERMINATION BOXES.

DES: CKD: DWG: CKD; 17.FROM SIDE OF CONTROL SUBMARINE CABLE BOX, INSTALL ONE RUN OF 4' RIGID STEEL CONDUIT TO THE UPSTREAM TOWER-NORTH FACE OF PIER E. CONTINUE RIGID STEEL UP NORTH FACE TOWER AND INSTALL NEW PULL BOX ADJACENT TO STREET LEVEL RAILING.

18 CORE ONE 4" PENETRATIONS THROUGH NORTH EACE OF CONTROL TOWER E AT THE METAL HOOD BELOW THE ROOF.

(RIGID CONDUIT INSTALLATION) PIER F DOWNSTREAM:

19.INSTALL ONE NEMA-RATED SUBMARINE CABLE TERMINATION BOX ON PIER F, ABOVE LOWER LEVEL OF CATWALK. BOTTOM OF TERMINATION BOX SHALL BE SET AT THE 100-YEAR FLOOD ELEVATION OF 10.00' (MAD83), BOX SHALL PROVODE FOUR PENETRATIONS IN THE BOTTOM OF THE BOX; TWO FOR SUBMARINE CABLE, AND TWO FOR 4" RIGID STEEL CONDUIT FOR RISER CONTROL INSTALL TERMINAL BLOCKS FOR 60-CONDUCTOR CONTROL INSIDE BOX.

20.INSTALL ONE NEMA-RATED SUBMARINE CABLE POWER TERMINAL BOX ON PIER F, ABOVE LOWER LEVEL OF CATWALK. BOTTOM OF TERMINATION BOX SHALL BE SET AT THE 100-YEAR FLOOD ELEVATION OF 10.0' (NAD83). BOX SHALL PROVODE FOUR PENETRATIONS IN THE BOTTOM OF THE BOX: TWO FOR SUBMARINE CABLE, AND TWO FOR 5' RIGID STEEL CONDUIT FOR RISER POWER. POWER CABINET SHALL BE PREPARED FOR FUTURE INSTALLATION OF TWO 3-CONDUCTOR COPPER 600V CABLE STRAIGHT-SPLICED TO RISER CABLE.

21. CHANNEL IRON AND SUBMARINE CABLE TERMINATION SUPPORTS FOR TWO POWER SUBMARINE CABLES (3.6" OD) AND TWO CONTROL SUBMARINE CABLES (3.2" OD) SHALL BE INSTALLED BELOW TERMINATION BOXES.

22.FROM BOTTOM OF CONTROL SUBMARINE CABLE BOX, INSTALL TWO RUNS OF 4" RIGID STEEL CONDUIT THROUGH THE ARCH SPAN (EAST FACE) TO THE UPSTREAM-NORTH FACE OF PIER F. INSTALL PULL BOX AROUND CORNER. CONTINUE RIGID STEEL UP NORTH FACE TOWER AND INSTALL NEW PULL BOX AT EDGE STREET LEVEL BELOW RAILING.

23.CORE THREE 6" PENETRATIONS THROUGH NORTH FACE OF CONTROL TOWER E BELOW THE TOP OF MASONRY AND BOTTOM OF TOWER WINDOWS

24.INSTALL PULL BOX AROUND CORNER. CONTINUE RIGID STEEL UP NORTH FACE TOWER AND INSTALL NEW PULL BOX AT EDGE STREET LEVEL BELOW RAILING.

25.CONTINUE INSTALLATION OF 4" RIGID STEEL CONDUIT FROM STREET GROUT CONNECTIONS THROUGH TOWER WALL.

26.FROM BOTTOM OF CONTROL SUBMARINE CABLE BOX, INSTALL TWO RUNS OF 5" RIGID STEEL CONDUIT THROUGH THE ARCH SPAN (EAST FACE) TO THE UPSTREAM-NORTH FACE OF PIER F.

27.DIVERT HIGHEST ATTACHED 5" RIGID STEEL CONDUIT UP NORTH FACE OF TOWER ON INSIDE OF BASCULE SPAN IN-BETWEEN STEEL WORK.

28.AT REGULATOR ROOM, OUTSIDE WALL, CORE 6" PENETRATION. INSTALL PULL BOX ON INSIDE OF REGULATOR ROOM.

29.CONTINUE 5" RIGID STEEL THROUGH WALL PENETRATION TO PULL

30. CONTINUE INSTALLATION OF 5" RIGID STEEL AT BOTTOM OF PIER AROUND CORVER THROUGH EXISTING PULL BOX, UP WALL, THROUGH STREET LEVEL PULL BOX, TERMINATING AT OTHER 6" PENETRATION

(RIGID CONDUIT INSTALLATION FOR FIBER) PIFR F UPSTREAM:

31. INSTALL ONE NEMA-RATED SUBMARINE CABLE TERMINATION BOX ON PIER F, ABOVE FENDER. BOTTOM OF TERMINATION BOX SHALL BE SET AT THE 100-YEAR FLOOD ELEVATION OF 10.0' (NADB3). BOX SHALL PROVODE ONE PENETRATION IN THE BOTTOM OF THE BOX AND ONE IN THE SIDE (BASCULE SIDE); 4" RIGID STEEL CONDUIT FOR RISER

32.CHANNEL IRON AND SUBMARINE CABLE TERMINATION SUPPORTS FOR FIBER SUBMARINE CONDUIT (3.6" OD) SHALL BE INSTALLED BELOW TERMINATION BOXES.

33 FROM SIDE OF CONTROL SUBMARINE CABLE BOX INSTALL ONE RUN 5.FROM SIDE OF CONTROL SUBMARINE CABLE BUX, INSTALL ONE RUN OF 4° RIGID STEEL CONDUIT TO THE UPSTREAM TOWER-SOUTH FACE OF PIER E. CONTINUE RIGID STEEL UP NORTH FACE TOWER AND INSTALL NEW PULL BOX ADJACENT TO STREET LEVEL RAILING. 34.CORE ONE 4" PENETRATIONS THROUGH NORTH FACE OF CONTROL TOWER E AT THE METAL HOOD BELOW THE ROOF.

POWER AND CONTROL CABLE INSTALLATION PIFR F:

35.AT PIER E, POWER SUBMARINE TERMINATION BOX, INSTALL APPROXIMATELY 100 LF OF 3-400 KCMIL CU CABLES FROM BOX THROUGH PULL BOXES TO REGULATOR ROOM. LEAVE AT LEAST 20' OF CABLE SLACK IN REGULAR ROOM AND 4' OF SLACK IN TERMINATION BOX FOR FUTURE STRAIGHT SPLICE.

36.AT PIER E, POWER SUBMARINE TERMINATION BOX, INSTALL APPROXIMATELY 210 LF OF 3-400 KCMIL CU CABLES FROM BOX THROUGH PULL BOXES TO PIER E CONTROL TOWER. LEAVE AT LEAST 50' OF CABLE SLACK IN CONTROL ROOM AND 4' OF SLACK IN SUBMARINE TERMINATION BOX FOR FUTURE STRAIGHT SPLICE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ROUTING AND TERMINATING POWER IN THE CONTROL TOWER. SEE RVE STRAIGHT LINE DIAGRAMS (UNDER SEPARATE COVER) FOR INSTALL.

37.AT PIER E, CONTROL TERMINATION BOX, INSTALL APPROXIMATELY 220 LF OF 3-400 KCMIL CU CABLES FROM BOX THROUGH PULL BOXES TO PIER E CONTROL TOWER. LEAVE AT LEAST 50' OF CABLE BOXES ID PIER E CONINCUL IOWER, LEAVE AT LEAST 50 OF CABLE SLACK IN CONTROL ROOM AND 4' OF SLACK IN SUBMARINE TERMINATION BOX FOR TERMINATIONS, ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR TERMINATION AT CONTROL BOARD IN TERMINATION BOX AND TOWER, ROUTING AND TERMINATING POWER IN THE CONTROL TOWER, SEC TWY STRAIGHT LINE DIAGRAMS (UNDER SEPARATE COVER) FOR INSTALL

POWER AND CONTROL CABLE INSTALLATION PIFR F:

38.AT PIER F, POWER SUBMARINE TERMINATION BOX, INSTALL APPROXIMATELY 100 LF OF 3-400 KCMIL CU CABLES FROM BOX THROUGH PULL BOXES TO REGULATOR ROOM. LEAVE AT LEAST 20' OF CABLE SLACK IN REGULAR ROOM AND 4' OF SLACK IN SUBMARINE TERMINATION BOX FOR FUTURE STRAIGHT SPLICE.

39.AT PIER F, POWER SUBMARINE TERMINATION BOX, INSTALL APPROXIMATELY 210 LF OF 3-400 KCMIL CU CABLES FROM BOX THROUGH PULL BOXES TO PIER F CONTROL TOWER, LEAVE AT LEAST 50' OF CABLE SLACK IN CONTROL ROOM AND 4' OF SLACK IN SUBMARINE TERMINATION BOX FOR FUTURE STRAIGHT SPLICE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ROUTING AND TERMINATING POWER IN THE CONTROL TOWER. SEE RVE STRAIGHT LINE DIAGRAMS (UNDER SEPARATE COVER) FOR INSTALL

40.AT PIER F, CONTROL TERMINATION BOX, INSTALL APPROXIMATELY 220 LF OF 3-400 KCMIL CU CABLES FROM BOX THROUGH PULL BOXES TO PIER F CONTROL TOWER. LEAVE AT LEAST 50' OF CABLE SLACK IN CONTROL ROOM AND 4' OF SLACK IN SUBMARINE BOX FOR TERMINATIONS. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR TERMINATION AT CONTROL BOARD IN

(SUBMARINE CABLE INSTALLATION FROM PIER E TO PIER F)

41. AT PIERS E AND F, INSTALL BRACKET FOR SUBMARINE CABLES BELOW TERMINATION BOXES.

42.AT PIERS E AND F, AT FOUNDATION UNDER WATER (SEE PLANS), INSTALL SUBMARINE CABLE SADDLE FOR 5 PROPOSED SUBMARINE CABLE/CONDUIT.

43.AT BARGES BY PIER E AND PIER F, UNSPOOL AND LAY ALL SUBMARINE CABLES (2-ARMORED POWER, 2-ARMORED CONTROL, 1-ARMORED FIBER CONDUIT) IN PROPOSED PATH AT BED OF

44.AT PROPOSED PATH, UTILIZE JET TO CUT 4' DEEP TROUGH IN PROPOSED ALIGNMENT AND PROFILE (SEE CABLE TROUGH SHEETS) FROM FOUNDATION OF PIER E TO FOUNDATION OF PIER F.



45.IN OPEN CUT TROUGH, ADD SLACK AND LAY PROPOSED SUBMARINE CABLES IN TROUGH.

46.BACKFILL TROUGH WITH APPROVED MEDIUM AND JET BED OVER TROUGH WHERE POSSIBLE

47.AT SUBMARINE CABLE SADDLES ON PIERS E AND F, INSTALL SUBMARINE CABLE AND CONDUIT AND FASTEN TO COLLAR.

48.AT PIERS E AND F SUBMARINE BRACKETS UNDER TERMINATION BOXES, INSTALL AND SECURE SUBMARINE CABLES AND/OR CONDUITS.

49.CONTINUE SLACK OF SUBMARINE CABLES/CONDUIT THROUGH TERMINATION BRACKET AND SPLAY ARMOR TO FASTEN IN PLACE. CONTINUE CABLES INTO ALL TERMINATION BOXES AND PROVIDE 4 LF OF SLACK FOR FUTURE SPLICES OR CONTROL TERMINATIONS.

(TERMINATIONS AT SUBMARINE BOXES AND TOWERS)

50.ELECTRICAL BLOCKING, SPLICING, TERMINATION WORK, AND OTHER ELECTRICAL WORK TO BE PERFORMED BY ELECTRICAL CONTRACTOR. MEANS AND METHODS SHALL BE DICTATED BY THE BURLINGTON COUNTY BRIDGE COMMISSION, SEE RVE STRAIGHT-LINE-DIAGRAM (UNDER SEPARATE COVER) FOR GUIDANCE

FIBER OPTIC CABLE INSTALLATION

51. INSTALL RACK MOUNTED 72 PORT FIBER OPTIC TERMINATION PANEL IN THE RESPECTIVE EXISTING TERMINATION CABINETS OF THE PIER E AND PIER F COMMUNICATIONS ROOMS.

52.INSTALL HYBRID 72-STRAND FIBER OPTIC CABLE FROM THE PIER F COMMUNICATIONS ROOM TO THE PIER E COMMUNICATIONS ROOM IN A SINGLE RUN WITH NO SPLICING, SPOOL 20' OF SLACK WITHIN THE CRAWLSPACE ABOVE BOTH COMMUNICATIONS ROOMS. NEATLY ATTACH DROPPED CABLE TO THE EXISTING CABLE RACEWAY.

53.TIP, TEST, AND TERMINATE THE 48 MULTIMODE AND 24 SINGLE MODE FIBERS OF THE HYBRID CABLE. SUBMIT TEST RESULTS TO THE ENGINEER

54. TERMINATE USING SC STYLE CONNECTORS.

DEMOLITION

55.DETACH DEAD/ABANDONED EXISTING POWER AND CONTROL CABLES ONCE POWER AND CONTROL HAS BEEN SWITCHED TO THE PROPOSED CABLES.

56.CUT AND ABANDON THE DE-ENERGIZED SUBMARINE CABLES AT THE MUD LINE OF THE CHANNEL.

57.REMOVE ALL DEAD/ABANDONED CABLE AND ASSOCIATED CONDUIT. JUNCTION BOXES, AND STRUCTURAL ATTACHMENTS, FILL AND REPAIR ANY DAMAGE TO THE STRUCTURE PER THE PROJECT SPECIFICATIONS.

58 REMOVE TEMPORARY SHIFLDING AND TRAFFIC CONTROL

| | BURLINGTON COUNTY BRIDGE COMMISSION |
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| | TACONY–PALMYRA Over the delaware river tacony, pa palmyra, nj |
| ennoni | SUBMARINE CABLE REPLACEMENT USACE NATIONWIDE #57 PERMIT PLANS |
| | SEQUENCE OF CONSTRUCTION |

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