

PUBLIC NOTICE

US Army Corps of Engineers New York District Jacob K. Javits Federal Building New York, N.Y. 10278-0090 ATTN: Regulatory Branch

In replying refer to:

Public Notice Number: NAN-2022-00165-EBR

Issue Date: November 22, 2022 Expiration Date: December 22, 2022

The New York District, of the U.S. Army Corps of Engineers has received an application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) and Section 404 of the Clean Water Act (33 U.S.C. 1344):

APPLICANT: National Railroad Passenger Corporation (Amtrak)

Attn: David Trujillo Reyes 400 W 31st Street, 5th floor New York, New York 10001

ACTIVITY: Submarine Cable Installation

WATERWAY: Harlem River

LOCATION: Spuyten Duyvil Bridge between the Boroughs of Manhattan and the Bronx, City

of New York, New York

A detailed description and plans of the applicant's activity are enclosed to assist in your review.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The Corps of Engineers 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 this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

ALL COMMENTS REGARDING THE PERMIT APPLICATION MUST BE PREPARED IN WRITING AND EMAILED TO William.Bruno@usace.army.mil BEFORE THE EXPIRATION DATE OF THIS NOTICE; otherwise, it will be presumed that there are no objections to the activity.

Comments submitted in response to this notice will be fully considered during the public interest review for this permit application. Comments provided will become part of the public record for this

permit application. All written comments, including contact information, will be made a part of the administrative record, available to the public under the Freedom of Information Act. The Administrative Record, or portions thereof, may also be posted on a Corps of Engineers internet web site. Due to resource limitations, this office will normally not acknowledge the receipt of comments or respond to individual letters of comment.

Any person may request, in writing, before this public notice expires, that a public hearing be held to collect information necessary to consider this application. Requests for public hearings shall state, with particularity, the reasons why a public hearing should be held. It should be noted that information submitted by mail is considered just as carefully in the permit decision process and bears the same weight as that furnished at a public hearing.

Our preliminary determination is that the activity for which authorization is sought herein is not likely to adversely affect any Federally endangered or threatened species or their critical habitat. However, pursuant to Section 7 of the Endangered Species Act (16 U.S.C. 1531), the District Engineer is consulting with the appropriate Federal agency to determine the presence of and potential impacts to listed species in the project area or their critical habitat.

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act (Public Law 104-267), requires all Federal agencies to consult with the National Oceanic and Atmospheric Administration Fisheries Service (NOAA/FS) on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The proposed work, fully described in the attached work description, could cause the disruption of habitat for various lifestages of some EFH-designated species as a result of a temporary increase in turbidity during construction. However, the New York District has made the preliminary determination that the site-specific adverse effects are not likely to be substantial because it is expected that fish populations would avoid the small area of disturbance. Further consultation with NOAA/FS regarding EFH impacts and conservation recommendations being conducted and will be concluded prior to the final decision.

Reviews of activities pursuant to Section 404 of the Clean Water Act will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404 (b) of the Clean Water Act and the applicant received water quality certification New York State Department of Environmental Conservation, Permit ID 2-9902-00067/00015, with an effective date of August 15, 2022, in accordance with Section 401 of the Clean Water Act.

Pursuant to Section 307 (c) of the Coastal Zone Management Act of 1972 as amended [16 U.S.C. 1456 (c)], for activities under consideration that are located within the coastal zone of a state which has a federally approved coastal zone management program, the applicant has certified in the permit application that the activity complies with, and will be conducted in a manner that is consistent with, the approved state coastal zone management program. In a letter dated May 9, 2022, New York State Department of State issued a Coastal Zone Management Concurrence with Consistency Certification, F-2022-0110, for the proposed work.

In addition to any required water quality certificate and coastal zone management program concurrence, the applicant has obtained or requested the following governmental authorization for the activity under consideration:

New York State Department of Environmental Conservation

CENAN-OP-RE Public Notice NAN-2022-00165-EBR

It is requested that you communicate the foregoing information concerning the activity to any persons known by you to be interested and who did not receive a copy of this notice. If you have any questions concerning this application, you may contact this office at (917) 790-8516 and ask for William T. Bruno.

In order for us to better serve you, please complete our Customer Service Survey located at http://www.nan.usace.army.mil/Missions/Regulatory/CustomerSurvey.aspx.

For more information on New York District Corps of Engineers programs, visit our website at http://www.nan.usace.army.mil.

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FOR AND IN BEHALF OF Stephan A. Ryba Chief, Regulatory Branch

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DESCRIPTION OF PROPOSED WORK

The applicant, National Railroad Passenger Corporation (Amtrak), has requested Department of the Army authorization for submarine cable installation activities in the Harlem River at the Spuyten Duyvil Bridge between the Boroughs of Manhattan and the Bronx, City of New York, New York.

The installation of a total of approximately 515-linear-feet of new submarine electrical power cables installed within three (3) HDPE ducts per channel crossing and temporarily overlain by concrete mattresses to hold the ducts underwater until backfill can be placed. Within the boundaries of the Federal Project, the cable ducts are proposed to be buried a minimum of 7-feet below the existing bottom conditions and 15-feet below the authorized depth of the Federal Project, as measured from the top of the cable ducts. Outside the boundaries of the Federal Project the cable ducts are proposed to be buried a minimum of 4-feet as measured from the top of the ducts. The ducts are proposed to be buried via trench excavation method and the excavated material is proposed to be removed and disposed at a state-approved upland facility. The excavated material is proposed to be replaced with clean gravel.

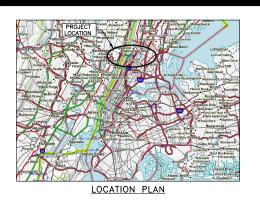
The temporary concrete mattresses are pre-fabricated and temporarily cover a total area of approximately 4,000 square feet. The top of the submarine cable ducts will be buried to a minimum elevation of 30-feet below MLLW. A total of approximately 1,590 cubic yards of dredged material will be excavated from an approximately 4,000 square foot area. The material will be dewatered and trucked to a state approved upland disposal site. A total of approximately 1,590 cubic yards of new gravel will placed in the excavated trench on top of the new cables. A total of one-hundred ten (110) HZ 18-inch-diameter king piles and one-hundred six (106) AZ sheet piles are proposed to be temporarily installed along the cable route for stabilization purposes. All existing temporary cables and structures will be removed.

The applicant has stated they have avoided, minimized and mitigated for proposed impacts by minimizing the project area to the smallest area practicable.

The applicant's stated purpose for this regulated work is to replace the existing deteriorated power supply for the existing swing bridge.



BRIDGE NO. 10.20
SPUYTEN DUYVIL SWING BRIDGE
NEW YORK, NEW YORK
SUBMARINE CABLE REPLACEMENT





DRAWING LIST						
SHEET NO. DRAWING NO. DESCRIPTION						
1	X-001	COVER SHEET				
2 E-002 GENERAL PLAN AND ELEVATION						
3	E-004	CABLE CONDUIT AND ROUTING DETAILS				
4	E-005	SUBMARINE CABINET DETAILS				
5	E-006	CABLE MOUNTING DETAILS 1 OF 2				
6	E-007	CABLE MOUNTING DETAILS 2 OF 2				
7	E-008	SUBMARINE CABLE MOUNTING DETAILS				
8	G-001	CABLE PLAN AND PROFILE				

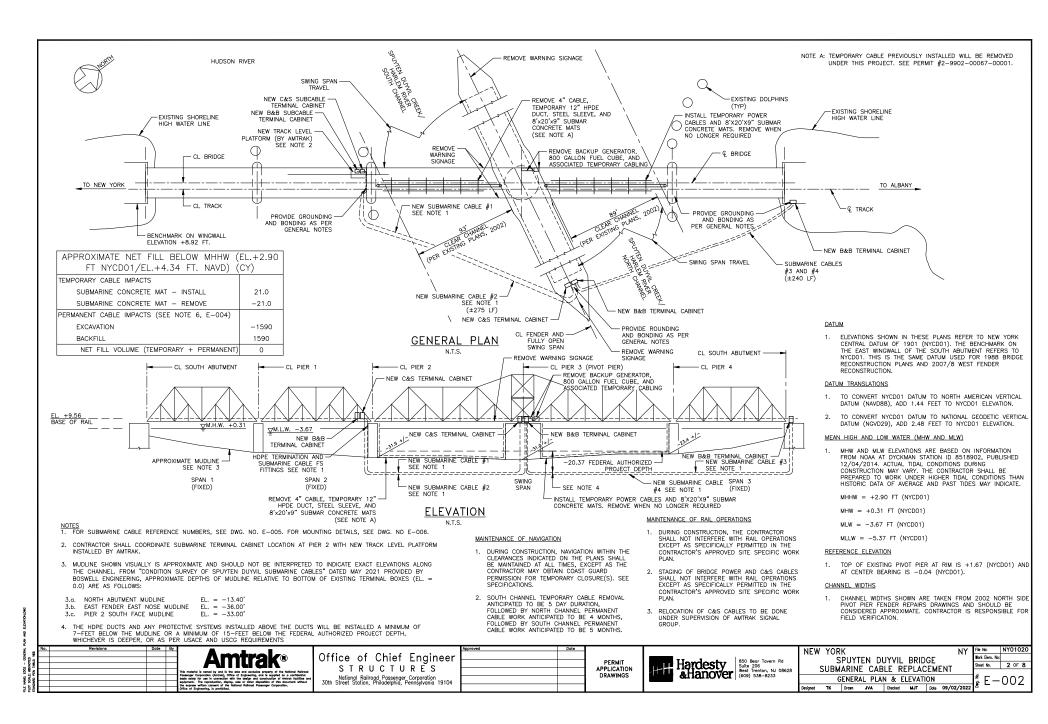
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Office of Chief Engine	er
STRUCTURES	
National Railroad Passenger Corporation 30th Street Station, Philadelphia, Pennsylvania 19	104

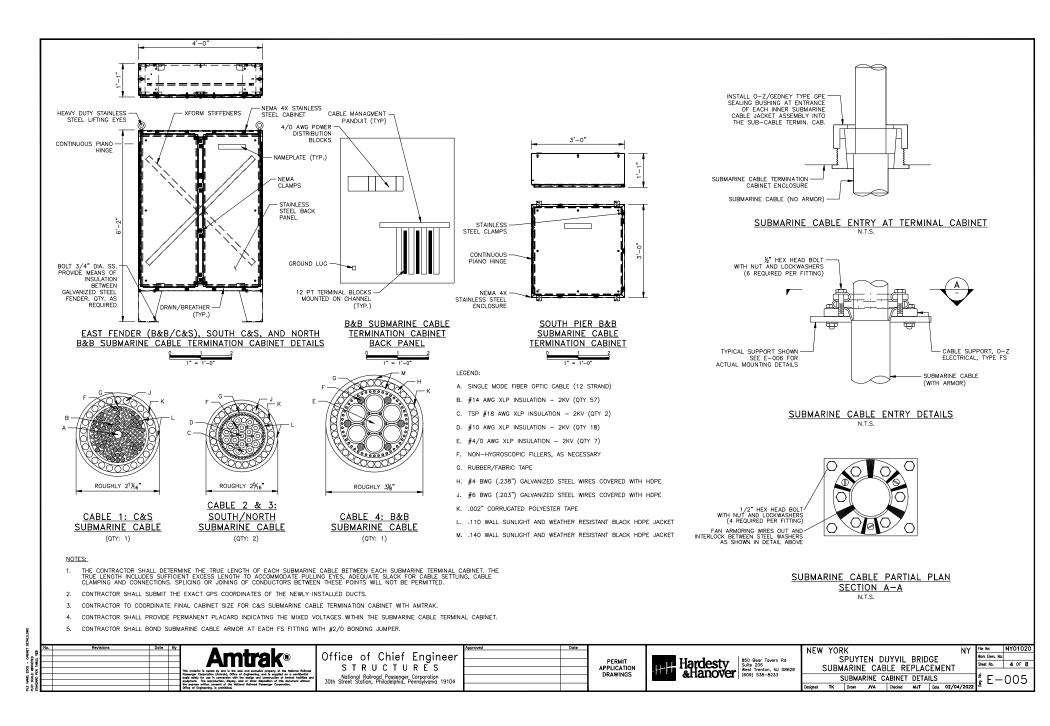
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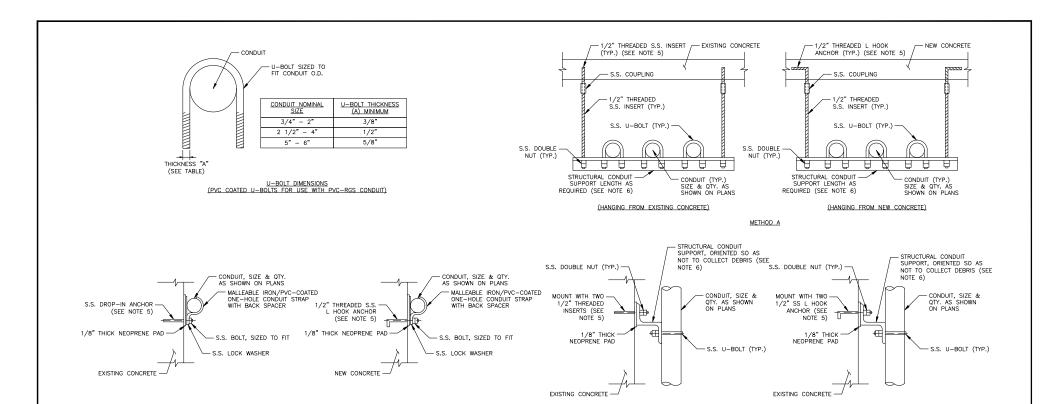
	Lara a
HH Hardesty &Hanover	Suite 206 West Trenton, NJ 084 (609) 538-8233

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	SUBMARINE CABLE REPLACEMEN	т	Si
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	GENERAL NOTES AND SCOPE OF WOR	K	8
	Designed TK Drawn JYA Checked MJT Date 02	/04/2022	å



1. SEE TRENCH DETAILS FOR MINIMUM CABLE DEPTH WITHIN THE LIMITS OF THE REGULATED CHANNEL, PROVIDE A MINIMUM OF 4 FEET COER NOTE B: ALL TEMPORARY MEANS AND METHODS (CONCRETE MATS IF OUTSIDE THE FEDERAL CHANNEL. SEE CABLE PLAN AND PROFILE ON G-001. USED) SHALL BE REMOVED PRIOR TO FINAL BACKFILL OF 2. THE EXISTING RIVER BOTTOM SHALL BE EXCAVATED AND REMOVED ENTIRELY AT THE SUBMARINE CABLE TRENCH. ALL CONSTRUCTION ACTIVITIES IN THE RIVER SHALL MEET THE NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC), USAGE, AND UNITED STATES COAST AZ-13-770 -SHEET PILE, TYP. HZ 880M (33" X 18") GUARD PERMIT. BACKFILL WITH APPROVED MATERIAL. (SEE NOTE B). "KING" PILÈ, TYP. THE TEMPORARY CABLES, CONDUIT, AND CONCRETE MATS INSTALLED UNDER THE EMERGENCY ACTION PLAN AND UNDER THIS WORK WILL BE REMOVED WHEN NO LONGER REQUIRED. (NYSDEC PERMIT #2-9902-00067-00001). 4. ENSURE RELIABLE OPERATION OF THE BRIDGE THROUGHOUT CONSTRUCTION BY MAINTAINING TEMPORARY CONNECTIONS AND GENERATOR THE EXISTING RIVER BOTTOM CONSISTS OF UNCONFIRMED MATERIAL. BEFORE TRENCHING THE CONTRACTOR SHALL VERIFY THE RIVER BOTTOM MATERIAL. THE TRENCH SHALL BE EXCAVATED SO THAT THE SIDES OF THE TRENCH SHALL STAND AT THEIR NATURAL SLOPE. ANTICIPATED TO TEMPORARY S.O.E PILING SECTION DETAIL 6. TEMPORARY SUPPORT OF EXCAVATION (S.O.E) SYSTEM DEPICTED FROM PLANS ENTITLED "SPUYTEN DUTYIL SWING BRIDGE—SUBMARINE CABLE REPLACEMENT MANHATTAN/BRONX, NEW YORK, NY TEMPORARY SUPPORT OF EXCAVATION" DATED AUGUST 16, 2022 BY GZA ENVIRONMENTAL, INC. PROJECT NO. 02.01757956.00 T. N.T.S. (SEE NOTE 6) KING PILE AND SHEET PILE TEMPORARY SUPPORT OF EXCAVATION SYSTEM. SEE NOTE 6. KING PILE AND SHEET PILE 8'-0" MIN. TO $\pm 10'-0"$ TYP. 8'-0" MIN. TO ±10'-0" TYP. TEMPORARY SUPPORT OF EXCAVATION SEE NOTE 6. SEE NOTE 6. SYSTEM. SEE NOTE 6. FLFV.=+3.0 (SEE NOTE 6) MLLW -5.37 NYCD01 (-3.93 NAVD88) APPROXIMATE EXISTING FEDERAL AUTHORIZED PROJECT DEPTH -20.37 (-18.93) RIVER BOTTOM VARIES -31.5 TO -23.4 (-30.06 TO -21.96) - EXISTING MATERIAL SHALL BE EXCAVATED, DE-WATERED, TESTED AND DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL AND 2000 200 STATE REGULATIONS, BACKFILL WITH CLEAN CRUSHED STONE TEMPORARY CONCRETE TEMPORARY CONCRETE MATTRESS AS REQUIRED MATTRESS AS REQUIRED SPARE 5" HDPF DUCT SUBMARINE CABLES IN HOPE DUCTS (TYP.) TYPICAL TRENCH TYPICAL TRENCH (SEE DETAIL ON THIS SHEET) INSTALLATION METHOD-INSTALLATION METHOD-WITHIN REGULATORY **OUTSIDE REGULATORY** CHANNEL LIMITS CHANNEL LIMITS EAST FENDER TO NORTH ABUTMENT: EAST FENDER TO NORTH ABUTMENT: SUBMARINE CABLE 4 SUBMARINE CABLE 3 IN 5" HDPE DUCT IN 5" HDPE DUCT EAST FENDER TO SOUTH PIER: SUBMARINE CABLE 1 1'-0" SUBMARINE CABLE 2 IN 5" HDPE DUCT IN 5" HDPE DUCT (TYP) TEMPORARY CONCRETE MATTRESS AS REQUIRED SPARE 5" HDPE DUCT TYPICAL TRENCH CABLE ARRANGEMENT N.T.S. Office of Chief Engineer Hardesty &Hanover | Sol Bear Tovern Rd Suite 206 | West Trention, NJ 08628 | West Trention, NJ SPUYTEN DUYVIL BRIDGE PERMIT STRUCTURES APPLICATION DRAWINGS SUBMARINE CABLE REPLACEMENT National Railroad Passenger Corporation 30th Street Station, Philadelphia, Pennsylvania 19104 CABLE CONDUIT AND ROUTING DETAILS E-004 Drawn ST Checked MT Date 09/02/2022





METHOD B

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(HANGING FROM EXISTING CONCRETE)

CONDUIT ATTACHMENT METHODS TO CONCRETE

(DIRECT TO NEW CONCRETE)

NOTES:

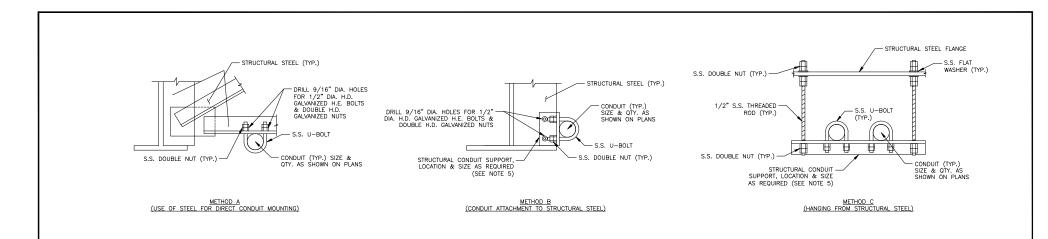
- CONDUIT MOUNTING METHODS SHOWN ARE INTENDED TO GIVE OVERVIEW OF ACCEPTABLE STANDARD OF QUALITY. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ACTUAL CONDUIT
 MOUNTING AND/OR SUPPORTING METHODS TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- 2. CONDUIT MOUNTING METHODS SHOWN ARE BASED ON RGS AND PVC COATED RGS CONDUIT. ADAPT DETAILS AS REQUIRED TO ACCOMMODATE OTHER TYPES OF CONDUITS, SUCH AS RECOMMENDED BY CONDUIT MANUFACTURER(S).
- 3. PROVIDE SHOP DRAWINGS FOR ALL MATERIALS AND METHODS USED FOR CONDUIT MOUNTING, INCLUDING DRILLING OF STRUCTURAL STEEL. CONTRACTOR MAY PROPOSE ALTERNATE METHODS OF CONDUIT MOUNTING PROVIDED THEY MEET THE SAME STANDARD OF QUALITY SHOWN. THE ENGINEER SHALL HAVE THE RIGHT TO REVIEW/APPROVE ALTERNATE METHODS.
- 4. UNLESS OTHERWISE NOTED, ALL STAINLESS STEEL PROVIDED SHALL BE TYPE 316 OR BETTER.

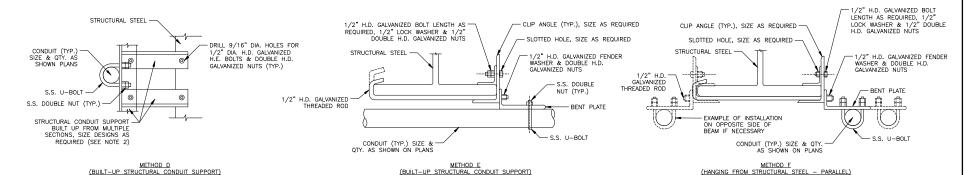
(DIRECT TO EXISTING CONCRETE)

- 5. L HOOK ANCHORS SHALL BE USED FOR NEW, WET CONCRETE. ALL CONCRETE SHALL BE CONSIDERED NEW FOR THIS PROJECT. FOR CONCRETE IN EXISTENCE PRIOR TO THIS PROJECT, USE DETAILS FOR EXISTING CONCRETE. THREADED INSERT/DROP—IN ANCHORS SHALL BE TYPE AA STAINLESS STEEL OR BETTER, ANCHORED TO THE CONCRETE USING AN EPOXY SYSTEM. THE ASENSBLY SHALL BE PROVIDED BY A SINGLE MANUFACTURER RATED FOR OVERHEAD USE IN CRACKED CONCRETE UNDER SEISMIC CONDITIONS, IN DAMP CONDITIONS/HEAVY CONDENSATION. ANCHORS SHALL BE INSTALLED AS PER MANUFACTURER'S REQUIREMENTS, AND SHALL HAVE A PULL OUT STRENGTH GREATER THAN 2000 POUNDS.
- 6. STRUCTURAL CONDUIT SUPPORTS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123. STRUCTURAL CONDUIT SUPPORTS SHALL CONSIST OF 1/2" THICK ANGLES, ZEES, AND PLATES, CONFIGURED AS REQUIRED TO MEET FIELD CONDITIONS. ANGLES AND PLATES SHALL BE 2" x 2" MINIMUM. HOLES SHALL BE DRILLED FOR U-BOLTS AND ATTACHMENTS AS REQUIRED.
- 7. NOT ALL CONDUITS ARE SHOWN. CONTRACTOR TO REFER TO RISER DIAGRAMS AND DETERMINE TOTAL ACTUAL NUMBER OF CONDUITS AND SIZE AS REQUIRED TO PROVIDE A FULLY COMPLETE AND FUNCTIONING SYSTEM.

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(HANGING FROM NEW CONCRETE)





CONDUIT ATTACHMENT METHODS TO STRUCTURAL STEEL

N.T.S.

NOTES:

- 1. CONDUIT MOUNTING METHODS SHOWN ARE INTENDED TO GIVE OVERVIEW OF ACCEPTABLE STANDARD OF QUALITY. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ACTUAL CONDUIT MOUNTING AND/OR SUPPORTING METHODS TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- 2. CONDUIT MOUNTING METHODS SHOWN ARE BASED ON RGS AND PVC COATED RGS CONDUIT. ADAPT DETAILS AS REQUIRED TO ACCOMMODATE OTHER TYPES OF CONDUITS, SUCH AS RECOMMENDED BY CONDUIT MANUFACTURER(S).
- 3. PROVIDE SHOP DRAWINGS FOR ALL MATERIALS AND METHODS USED FOR CONDUIT MOUNTING, INCLUDING DRILLING OF STRUCTURAL STEEL. CONTRACTOR MAY PROPOSE ALTERNATE METHODS OF CONDUIT MOUNTING PROVIDED THEY MEET THE SAME STANDARD OF QUALITY SHOWN. THE ENGINEER SHALL HAVE THE RIGHT TO REVIEW/APPROVE ALTERNATE METHODS.
- 4. UNLESS OTHERWISE NOTED, ALL STAINLESS STEEL PROVIDED SHALL BE TYPE 316 OR BETTER
- 5. STRUCTURAL CONDUIT SUPPORTS SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123. STRUCTURAL CONDUIT SUPPORTS SHALL CONSIST OF 1/2" THICK ANGLES, ZEES, AND PLATES, CONFIGURED AS REQUIRED TO MEET FIELD CONDITIONS. ANGLES AND PLATES SHALL BE 2" x 2" MINIMUM. HOLES SHALL BE DRILLED FOR U-BOLTS AND ATTACHMENTS AS PECULIED.
- 6. NOT ALL CONDUITS ARE SHOWN. CONTRACTOR TO REFER TO RISER DIAGRAMS AND DETERMINE TOTAL ACTUAL NUMBER OF CONDUITS AND SIZE AS REQUIRED TO PROVIDE A FULLY COMPLETE AND FUNCTIONING SYSTEM.
- '. WELDING TO STRUCTURAL STEEL FOR CONDUIT OR ELECTRICAL MOUNTING SHALL NOT BE PERMITTED UNLESS SPECIFICALLY SHOWN ON THESE PLANS.
- . CONTRACTOR SHALL PROVIDE A NEOPRENE PAD BETWEEN STRUCTURAL STEEL AND PVC-RGS CONDUIT.

	8. CONTRACTOR SHALL PROVIDE A NEOPRENE PAD BETWEEN STRUCTURAL STEEL AND P	VC-RGS CONDUIT.				
FILE NAME: EDGY — CONDUIT IN STANDARD FILE YES	This motival is create by and in the sole and exclude properly of the historical fiberoot	Office of Chief Engineer STRUCTURES National Rollroad, Passenger, Corporation 30th Street Station, Philadelphia, Pennsylvania 19104	Approved Date	PERMIT APPLICATION DRAWINGS	Hardesty & Hanover 650 Beer Towern Rd Suite 206 West Trenton, NJ 08628 (609) 538-8233	NEW YORK

