## **SPECIAL PROVISIONS**

## WATERWAY PERMITS **CONDITIONS**

## C-R-S: FRA-70/71-(4R)(6R)

PID: 105523

## Date: 07/30/2021

Special Provisions: FRA-70/71-(4R)(6R), PID: 105523

1. Waterway Permits Time Restrictions:

Regional General Permit (RGP), Section A (Linear Transportation Projects) is authorized for FRA-70/71-(4R)(6R), PID: 105523. A copy of the RGP and authorization letters (USACE ID: LRH-2018-01012-SCR for Phase 4R [Part 1] and USACE ID: LRH-2020-00476-SCR Phase 6R [Part 2]) shall be kept at the work site at all times and made available to all contractors and subcontractors. The permit is effective starting: July 30, 2021. The permit expires: October 24, 2024.

The project, as authorized by the USACE, meets all special limitations and conditions of Ohio EPA's Section 401 Water Quality Certification of the RGP. A Section 408 authorization was also issued for this project on July 2, 2021. All Section 401 and 408 conditions are included as part of the Section 404 RGP.

For authorized work in aquatic resources (including streams, wetlands, captured streams, lakes, ponds), the Department will consider the Contractor's submission of a reauthorization to the waterway permit expiration date based on project constraints. If more than one permit is authorized for the project, then all permits become invalid once the first permit expires. In order for the request to be considered, the Contractor must submit a justification to the Engineer at least 90 days prior to the waterway permit expiration date. The Engineer will submit the request for a time extension to the Ohio Department of Transportation, Office of Environmental Services, Waterway Permits Unit (ODOT-OES-WPU) for consideration and coordination with the U.S. Army Corps of Engineers (USACE), Ohio Environmental Protection Agency (OEPA), U.S. Coast Guard (USCG), U.S. Fish and Wildlife Service (USFWS), and Ohio Department of Natural Resources (ODNR) as appropriate.

2. Deviations From Permitted Construction Activities:

No deviation from the requirements for work in aquatic resources depicted in the plans, Special Provisions, and/or Working Drawings may be made unless a modification has been submitted to ODOT-OES-WPU and approved by the appropriate agencies (i.e., USACE, OEPA, USCG, ODNR, and USFWS).

NOTE: Plan sheets submitted with the Pre-Construction Notification were approved by the USACE in accordance with RGP Section A (Linear Transportation Projects) and are included in these Special Provisions.

For emergency situations resulting in unanticipated impacts to aquatic resources, provide notification (verbal or written) to the Engineer as soon as possible following discovery of the situation. Written notification to the Engineer and notification to the ODOT-OES-WPU (614-466-2159) must be made within 24 hours.

For non-emergency situations, notify the Engineer in writing for submission to the ODOT-OES-WPU (614-466-2159) for consideration and coordination with the appropriate agencies. Notification must be made at least 90 days prior to planned, non-permitted activities. Consideration of the requested deviation is at the discretion of the Director and must be coordinated with the appropriate regulatory agencies.

3. In-Stream Work Restrictions:

Work in the following aquatic resources is further restricted as follows:

Stream Name / Description

Loca

ation	Work restriction dates* (No in-stream work permitted)	
	(No In-stream work permitted)	

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Special Provisions: FRA-70/71-(4R)(6R), PID: 105523

Scioto River	STA 5052+00 to STA 5059+50 (4R)	None
Scioto River	STA 251+00 to STA 261+00 (6R)	None
*In-stream work restrictions were waived by ODNR on October 13, 2020 for years 2021-2024		

In-stream work has been defined as the placement and/or removal of fill materials (temporary or permanent) below ordinary high water of a stream. Examples of "fill" include, but are not limited to: bridge piers, abutments, culverts, rock channel protection, scour protection, and temporary access fills.

Fills placed within a stream identified in the above table (outside of the work restriction dates) can continue to be worked from during the work restriction dates, but cannot be expanded, removed, or otherwise modified (below ordinary high water) until once again outside of the work restriction dates.

#### 4. Materials:

Materials utilized in or adjacent to aquatic resources for temporary or permanent fill or bank protection shall consist of suitable material free from toxic contaminants in other than trace quantities. Asphalt products are specifically excluded for use as fill. Chromated Copper Arsenate (CCA), creosote, and other pressure treated lumber shall not be used in structures that are placed in aquatic resources.

#### 5. Cultural Resources:

Per CMS 107.10, if archeological sites, historical sites, or human remains are discovered, cease all work in the immediate area and notify the Engineer who will immediately contact the ODOT-District Environmental Coordinator and ODOT-OES-Cultural Resource Section at 614-466-2159. In the event of human remains are identified by OES-Cultural Resources Section, the Engineer shall also contact the Franklin County Sheriff's Office at 614-525-3333.

#### 6. Aquatic Resource Demarcation:

The tables attached (Table A and Table B) include detailed fill quantities authorized within the aquatic resources. Aquatic resources not authorized for impact by these Special Provisions shall be demarcated in the field as per SS 832 prior to site disturbance. The fence shall remain in place and be maintained throughout the construction process. Following the completion of the project, the fence and posts shall be removed.

#### 7. Spill containment:

Provide and Maintain an Oil Spill Kit with a minimum capacity of 65 gallons. The Spill Kit shall contain:

- 6 3 in. X 8 ft. Oil only socks
- 4 18 in. X18 in. Oil only pillows
- 2 5 in. X 10ft. Booms
- -50 - 16in. X 20 in. Oil only pads
- 10- Disposable Bags
- 1 65 Gallon drum with lid
- 25 pounds of Granular Oil Absorbent

The Oil Spill Kit shall be located within 150 feet of any equipment working in a stream or wetland. The oil Spill Kit shall be maintained for the life of the contract. Any materials utilized during the project

will be replaced within 48 hours. All costs associated with furnishing and maintaining the above referenced spill containment kit is incidental to work.

#### 8. Blasting:

State law requires notification to the Ohio Department of Natural Resources should blasting be required within or near stream channels (See ORC 1533.58 & CMS 107.09). Notify the Engineer, in writing, a minimum of 30 days in advance of blasting, for submission to ODOT-OES-WPU (614-466-2159) for coordination with ODNR.

#### 9. Project Inspection:

Inspection of Work may include inspection by representatives of other government agencies or railroad corporations that pay a portion of the cost of the Work or regulate the Work through State and Federal law. Comments from the representatives of these agencies shall be directed to the Engineer who will immediately contact the ODOT-District Environmental Coordinator and ODOT-OES-WPU at 614-466-2159.

#### 10. Temporary Access Fills:

#### **Definitions:**

#### Hydraulic Opening

The cross-sectional area allowing an unimpeded discharge equal to twice the highest monthly flow without producing a rise in the backwater above the Ordinary High Water Mark (OHWM).

#### Standard Temporary Discharge

Discharge equal to twice the *highest monthly flow* without producing a rise in the backwater above the OHWM. The U.S. Geologic Service publication "Techniques for estimating Selected Streamflow Characteristics of Rural Unregulated Streams in Ohio" provides equations that estimate monthly flow for Ohio Waterways These flows are also available in a web application by USGS StreamStats, (https://water.usgs.gov/osw/streamstats/ohio.html). The highest monthly flow is the highest monthly mean discharge occurring in a 12-month period from January to December.

#### **Average Monthly Flow**

The average monthly flow represents the estimated "normal" flow.

#### **Temporary Access Fills (TAFs)**

Include, but are not limited to, dewatering fills, causeways, cofferdams, access pads, temporary bridges, etc. below the OHWM.

#### Requirements

21 calendar days prior to the initiation of any in-stream work, provide the Engineer with Working Drawings that include:

- project

• Plan view drawing (50 scale or less) showing the location of all TAFs proposed for use on the

• Scaled cross section and profile drawing showing the OHWM and the proposed hydraulic opening.

- Identify the minimum diameter size, placement location and thickness of non-erodible Dumped Rock Fill material on the plan and profile.
- Calculations analyzing the hydraulic impacts of the TAF on the waterway. Include in the calculations an analysis of the hydraulic opening sized adequately to pass the Standard Temporary Discharge without producing a rise in backwater above the OHWM. Include, in the analysis, calculated channel velocities adjacent to the TAF, culvert exit velocities, calculated headwater and tailwater elevations, and any additional appropriate calculations to assess potential impacts to the waterway during normal and anticipated high flow (twice the highest monthly flow) events.
- A description of all temporary material to be placed below the OHWM elevation.
- A description of the installation and staging of all temporary fill over the life of the contract.
- Identify the protection methods and/or structural Best Management Practices for minimizing impacts to the waterway.
- Volume of temporary fill below the OHWM elevation.
- A description of the diversion ditches, equipment, conduits or means for maintaining normal flows in the waterway.
- A description of the removal of all temporary fill and restoration of the channel and all areas impacted by the TAFs.
- A schedule outlining the timing of the placement and removal of all temporary fill.
- Have competent individuals prepare and check the Working Drawings and hydraulic calculations. Provide a cover sheet containing the preparer(s) and checker(s): First Name, Last Name and Initials. The preparer(s) and checker(s) shall not be the same individual. Have an Ohio Registered Engineer review, approve, sign, seal and date the Working Drawings and hydraulic calculations according to ORC 4733 and OAC 4733-35. Include the following statement on the Working Drawings:

"These Working Drawings were prepared in compliance with the terms of these Special Provisions and all contract documents."

The TAFs shall be designed and constructed in accordance with the plan sheets and associated quantities attached to these Special Provisions.

Do not begin in-stream work until the Engineer has accepted the Working Drawings and hydraulic calculations.

The design and construction of the Contractor's TAF must minimize impacts to water bodies, stream banks, stream beds, and riparian zones to the maximum extent practicable.

Fording of waterways and other aquatic resources is prohibited.

Construct TAFs in such a manner that will maintain flows, minimize upstream flooding, and avoid overtopping the TAF on a regular basis. TAFs shall be designed and constructed so that the hydraulic opening provides capacity for a discharge equal to twice the highest monthly flow without producing a rise in the backwater above the (OHWM).

If the Contractor proposes a TAF which does not meet all the requirements of these Special Provisions, the Contractor must submit a request in writing for a modified TAF to the Engineer. The request must include all Working Drawings and hydraulic calculations required by these Special Provisions. The Department makes no guarantee to grant the request. The Contractor's proposed TAF request will be coordinated by OES with the USACE and the OEPA, as appropriate. The time frame allowed for the Special Provisions: FRA-70/71-(4R)(6R), PID: 105523

coordination of the contractor's proposed TAF will be a minimum of 60 days.

Installation of any temporary fill without appropriate authorization is strictly prohibited. All direct coordination with the USACE and/or OEPA will be performed through OES.

#### **TAFs Construction and Payment**

Begin planning and installing causeways and access fills as early in construction as possible to avoid conflicts with these Special Provisions or other environmental commitments that have been included in the construction plans.

TAFs in Streams and Rivers may include, but are not limited to, causeways, cofferdams, access pads, sheet piling, temporary bridges, etc. The Contractor must make every attempt to minimize disturbance to waterbodies, stream banks, stream beds and riparian zones during the construction, maintenance, and removal of the TAF. Construct the TAFs as narrow as practical. Install in-stream conduits parallel to the stream banks. Make the TAFs in shallow areas rather than deep pools where possible. Minimize clearing, grubbing, and excavation of stream banks, and approach sections. Construct the TAFs as to not cause erosion or allow sediment deposits in the waterway.

Prior to the initiation of any in-stream work, establish a monument upstream of the proposed TAF to visually monitor the water elevation in the waterway where the fill is permitted. Maintain the monument throughout the project. Provide a visual mark on the monument that identifies the elevation 1 foot above the OHWM. Ensure that the monument can be read from the bank of the waterway. Have this elevation set and certified by an Ohio Registered Surveyor. All costs associated with furnishing and maintaining the above referenced monument is incidental to the work.

Should the surface water elevation exceed the elevation 1 foot above OHWM, the Department will compensate the Contractor for repair of any resulting damage to the TAF up to the elevation of 1 foot above the OHWM, except as noted. The Department will recognize this event as an excusable, noncompensable delay in accordance with Section 108.06 B. of the Construction & Materials Specifications.

Follow the requirements in Item 502 for Structures for Maintaining Traffic and in Item 503 for Cofferdams and Excavation Bracing and any modifications to these items as shown in the plans. The Department will not pay for repair and maintenance of TAFs associated with Items 502 and 503 as a result of surface water elevation exceeding 1 foot above the OHWM. Compensation for damages associated with waterway flows will be provided as described in Items 502 and 503.

Construct the TAFs, not including Items 502 and 503, to a water elevation at least 1 foot (0.3 m) above the OHWM. If more than one-third the width of the stream is filled, then use culvert pipes to allow the movement of aquatic life. Ensure that any ponding of water behind the TAF will not damage property, flood roadways, or threaten human health and safety.

The following minimum requirements apply to TAFs where culverts are used:

A. Furnish culverts on the existing stream bottom.

- adverse impact to the waterway.
- D. Furnish culverts with a minimum diameter of 18 inches (0.5 m).

All TAFs must be constructed of suitable materials. Causeways and access fills must be encapsulated with clean, non-erodible, nontoxic Dumped Rock Fill, Type A, B, C, or D, meeting the requirements of C&MS 703.19.B. Utilize appropriately sized Dumped Rock Fill determined by the Contractor's engineer for encapsulating the sides of the TAF. Encapsulate all sides of the TAF with the non-erodible material.

B. Avoid a drop in water elevation at the downstream end of the culvert that would result in an

C. Furnish a sufficient number of culverts in addition to stream openings to provide a discharge equal to twice the highest monthly flow without producing a rise in the backwater above the OHWM.

For causeways, contractors may use clean aggregate meeting C&MS 703.01 Size Number 1 and 2 for creating a working surface above the OHWM. Extend the non-erodible encapsulating material to at least the elevation of the top of the working surface. Extend clean aggregate up the slope from the original stream bank for 50 feet (10 m) to remove erodible material and prevent tracking from equipment onto the TAF.

When the work requiring TAF is complete, all portions of the TAF (including all rock and culverts) will be removed in its entirety. Do not dispose of TAF material in other aquatic resources or where erosion into another aquatic resource is possible. The stream bottom affected by the TAFs will be restored to its pre-construction elevations. The TAFs will not be paid as a separate item but will be included by the Contractor as part of the total project cost.

Unless specific TAF compensation is included in the plans, all environmental protection and control associated with the authorized activities, are incidental to the work within the boundaries of the aquatic resources.

#### 11. Excavation Activities:

Excavated material will be placed at an upland site and disposed of in such a manner that sediment and runoff to streams and other aquatic resources is controlled and minimized. Additionally, no more than incidental fallback into aquatic resources is permitted during the excavation process. If any changes to the proposed work are deemed necessary, notify the Engineer who will immediately contact the ODOT-District Environmental Coordinator and ODOT-OES-WPU at 614-466-2159

#### 12. Demolition Debris:

The intentional discharge of demolition debris from any structure (including but not limited to bridges, culverts, abutments, wing walls, piers) is not authorized for this project. If any demolition debris inadvertently falls into aquatic resources, it must be removed immediately. Notify the Engineer immediately in writing of any inadvertent fill discharged into aquatic resources. The Engineer will immediately contact ODOT-OES-WPU at 614-466-2159 if any unintentional discharge occurs.

#### 13. Construction Completion Certification:

Upon completion of the work, notify the Engineer. The USACE Construction Completion Certifications must be completed and signed by the Engineer then provided via US mail or email to:

Waterway Permits Program Manager **ODOT** - Office of Environmental Services 1980 West Broad Street, Mail Stop 4170 Columbus, Ohio 43223 Adrienne.Earley@dot.ohio.gov

A copy of each certification has been attached to these Special Provisions.

14. United States Coast Guard Requirements:

Notification to the USCG is required no less than 30 days prior to the start of construction.

If any equipment will need to be placed in the waterway or any river closures are necessary,

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coordination with the USCG a minimum of 90 days in advance of these activities.

Any oil or oil-based product spills into the Scioto River during construction must be promptly reported to the USCG by calling 1-800-424-8802.

As-built drawings of all bridges over the Scioto River are required within 30 days of project completion. Drawings must be 8.5x11 inches and contain low steel elevations at the piers in the river and center of the channel.

The contractor shall direct all coordination with the USCG to Rob McCaskey at Rob.E.McCaskey@uscg.mil (314)269-2481, copy the Engineer and the Office of Environmental Services.

Version: July 2020

### Preconstruction Notification FRA-70/71-12.68/14.86 (Project 4R) PID 105523 8/1/2019

# TABLE A. DISCHARGE AND FILL QUANTITIES

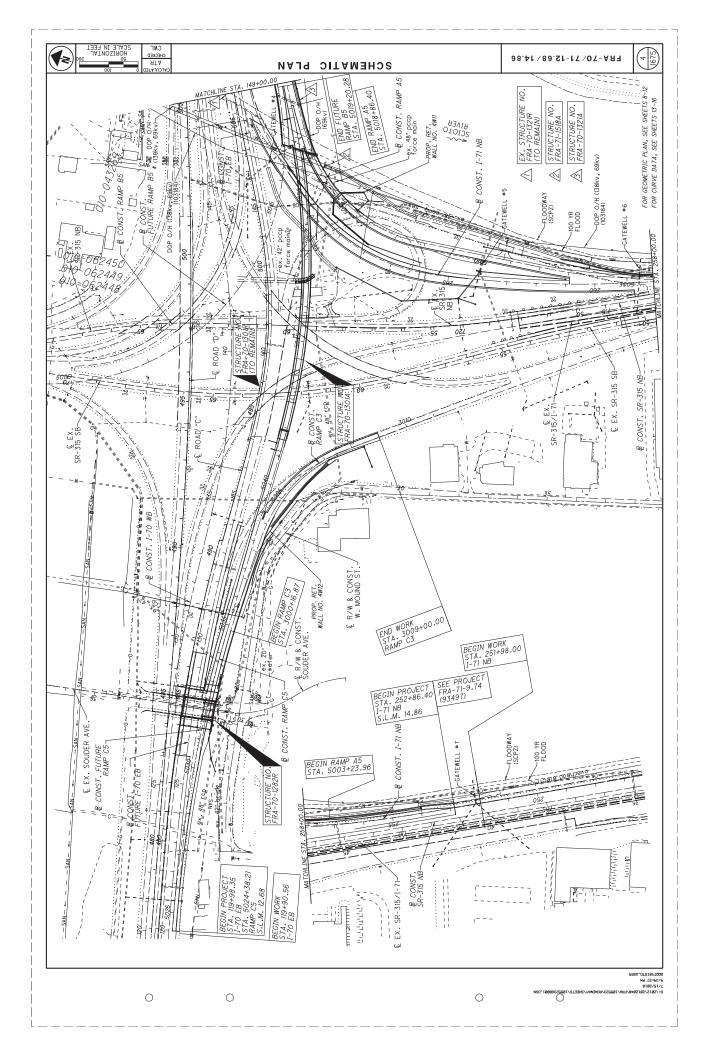
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	TOTAL IMPACT (Upstream to (Upstream) Pre-Existing Impacts)	Length (LF)	195.0	195.0	
	TOTAL IMPACT (Upstream to Downstream)	Area (AC) Volume Length Area Volume Length Area Volume Length Area (AC) Volume Length Area (AC) Volume (C) (LF) Area (AC) Volume (C) (LF) Area (AC) (C) (LF) Area (AC) (C) (LF) Area (AC) Volume (C) (C) (LF) (LF) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C	195.000	195.0	
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	emporary <sup>I</sup> OHWM	Area (AC)	1.492	1.5	
		Length (LF)	195.0	195.0	
	ll Within	Volume (CY)	108.300	108.3	
	Total Permanent Fill Within OHWM	Area (AC)	0.007	0.007	
	Total Per	Length (LF)	68.000	68.0	
	:eel, Etc.)	Volume (CY)		0.0	
	l Other (St	Area (AC)		0.0	
	Proposed	Length (LF)		0.0	
	Proposed Earthen, Granular, or Embankment Fill	Volume Length Area Volume Length Area Volume Length (CY) (LF) (AC) (CY) (LF) (AC) (CY) (LF)		0.0	
	Proposed Earthen, Inular, or Embankm Fill	Area (AC)		0.0	
	Pro Granula	Length (LF)		0.0	
		Volume (CY)		0.0	
LETHIBIERT FILL WITHIN DEIDW ORWIN	Proposed RCP	Area (AC)			
		Length (LF)		108.3 0.0	
	Includes butments,	Volume Length (CY) (LF)	108.300	108.3	
	Proposed Concrete (Includes Jivert, Piers, Walls, Abutment etc.)	Area (AC)	0.007	0.007	
	Propos Culvert, I	Length (LF)	68.0	SUM: 68.0	
	stream Depth (LF)		10	SUM:	
	Stream Width { (LF)		535		
(13	Total Length Within Project Area		1,256		
21 REALIVIS	Description of Total Length Impacts/Activities Within Project Stream Width Stream Width Stream Depth Culvert, Piers, Walls, Abutments, Within OHWM Area		Temp access for new bridge construction and new piers		
	Station		5052- 5059+50		
	Aquatic Resource ID		Scioto River		

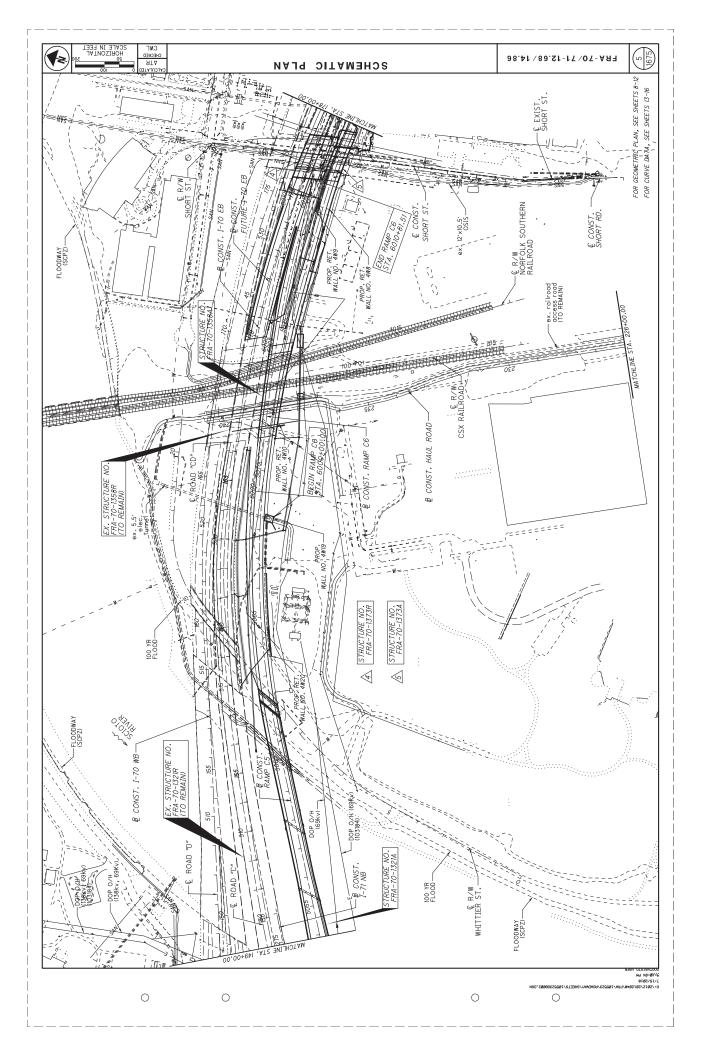
LF = linear feet; AC = acres; CY = cubic yards; RCP = rock channel protection or the like (specify if different, ie. concrete block matting); NA = Not Applicabl

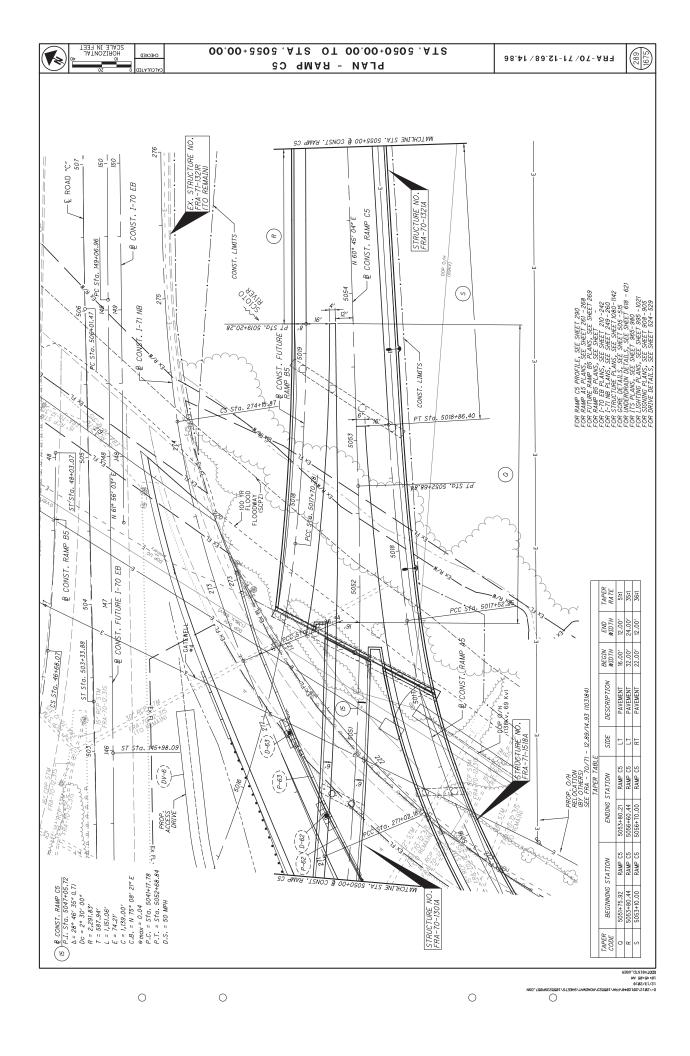
USACE Section 404 Permit Package and PCN FRA-71-14.36 (Project 6R), PID 105588 December 2019 TABLE B: DETAILED STREAM IMPACT BREAKDOWN

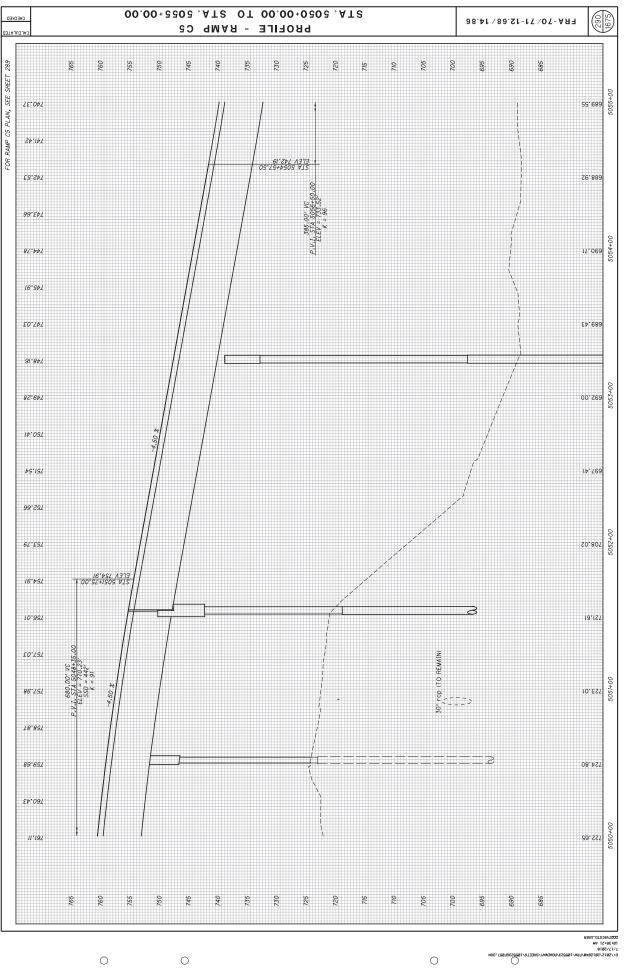
	TOTAL NEW IMPACT (Total Impact Minus Pre-Existing Impacts)
	TOTAL IMPACT (Upstream) Downstream)
	Total Temporary Fill Within OHWM
	Total Permanent Fill Within OHWM
	Proposed Other (Steel, Etc.)
	Proposed Earthen, Granular, or Embankment Fill
	Proposed RCP
	Proposed Concrete (Includes Culverts, Piers, Walls, Abutments, etc.)
	Stream Depth (LF)
Total Length Stream in Project Width Area (LF)	
Station	
	Aquatic Resource ID

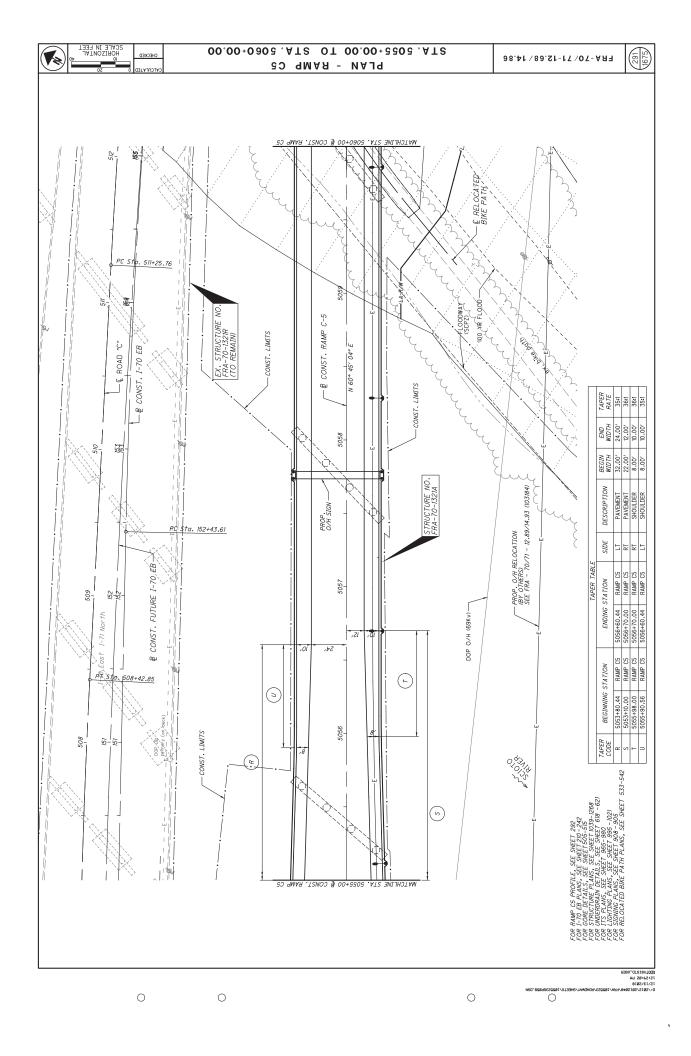
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Scioto River	

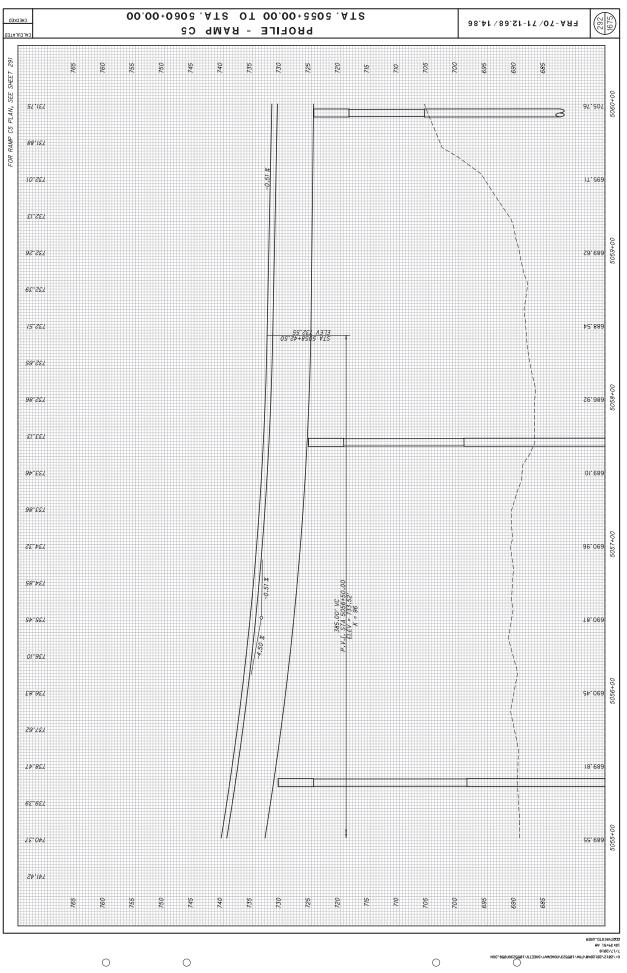


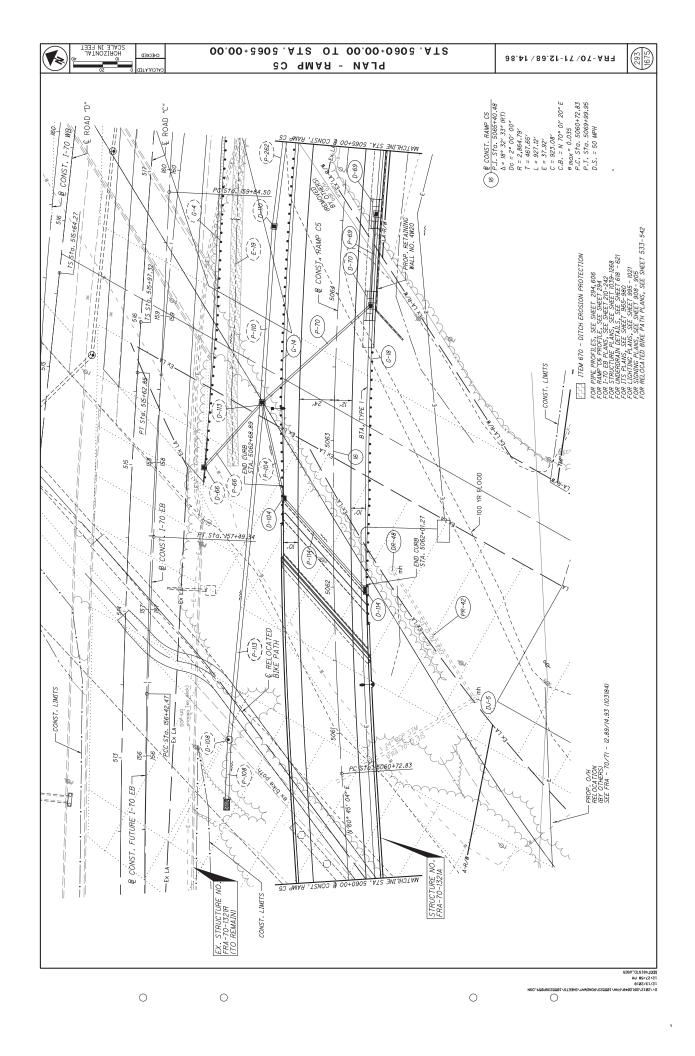


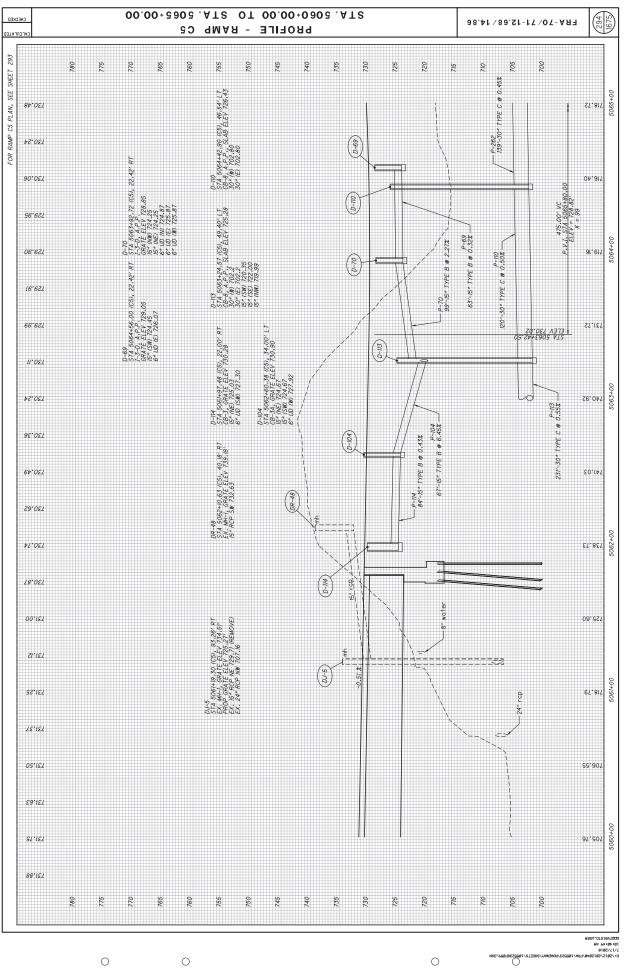


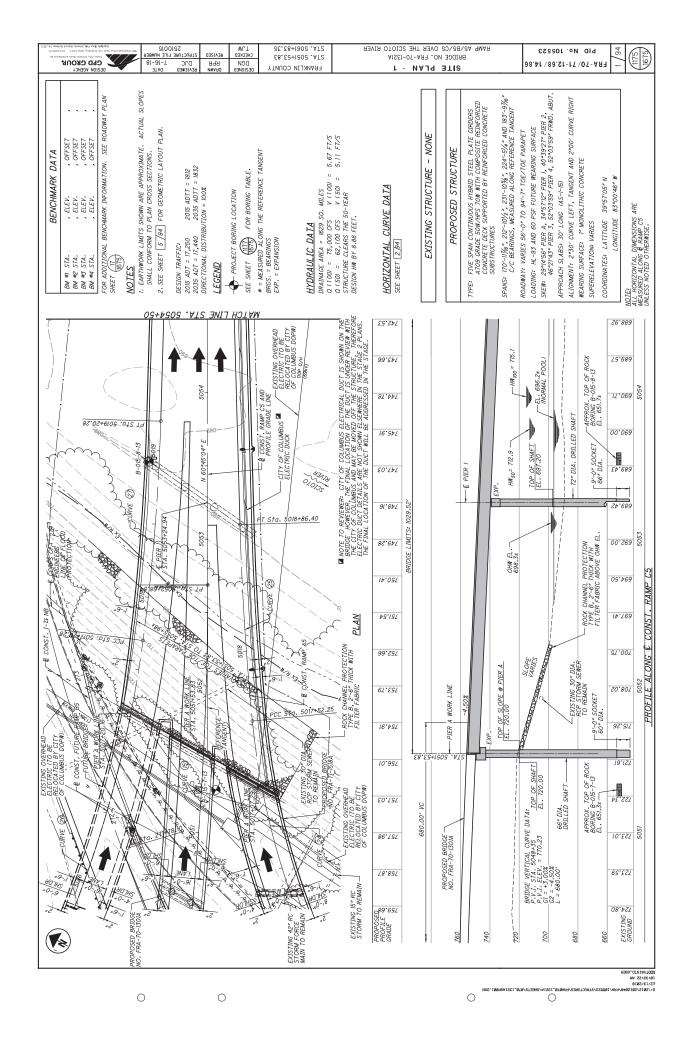


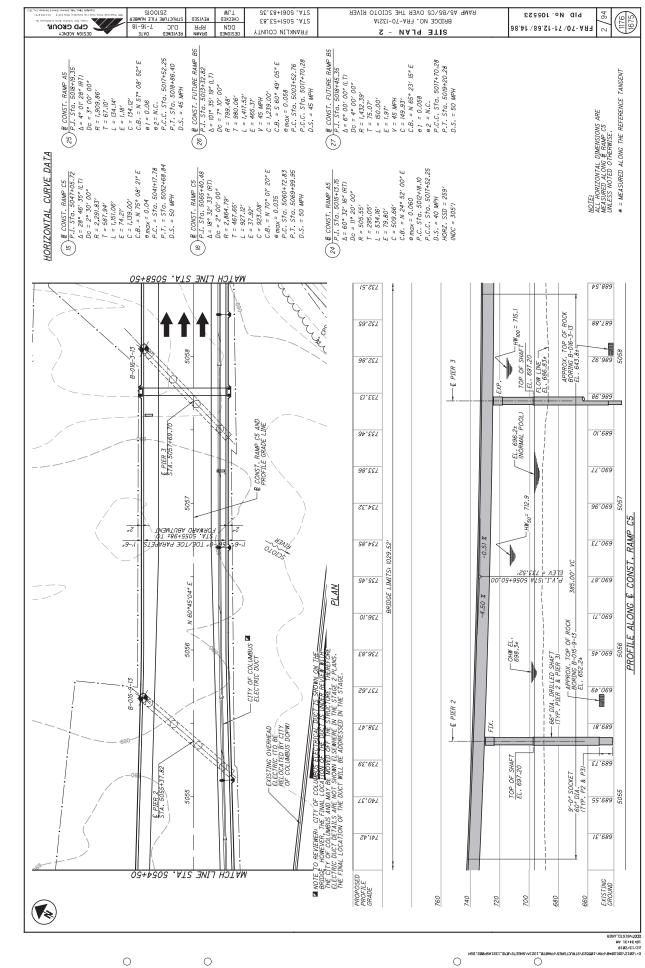




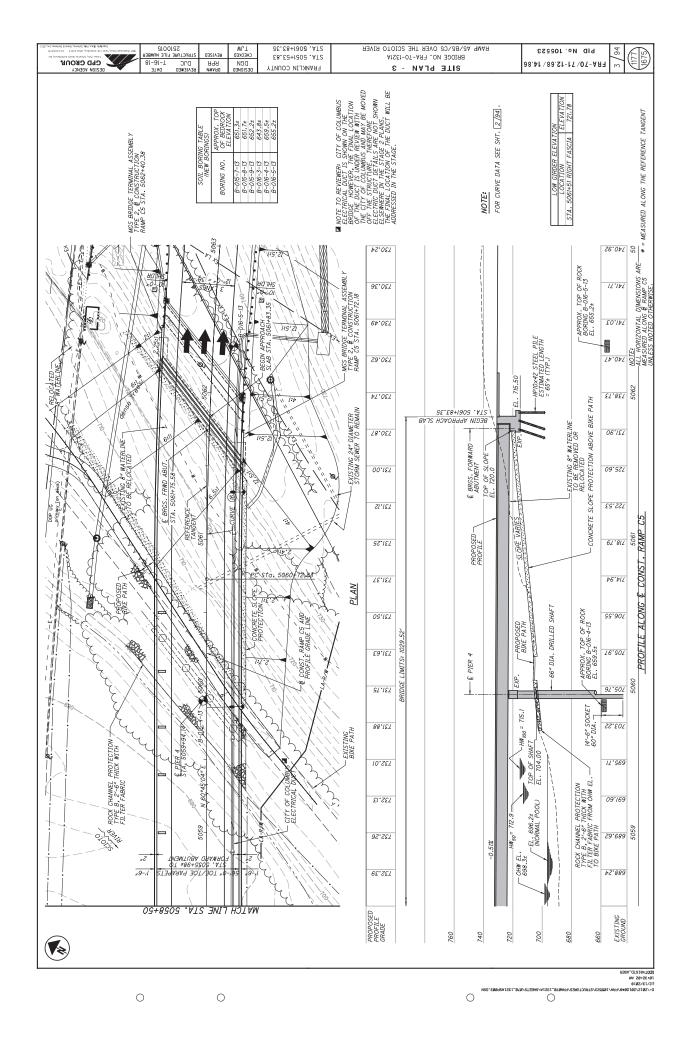


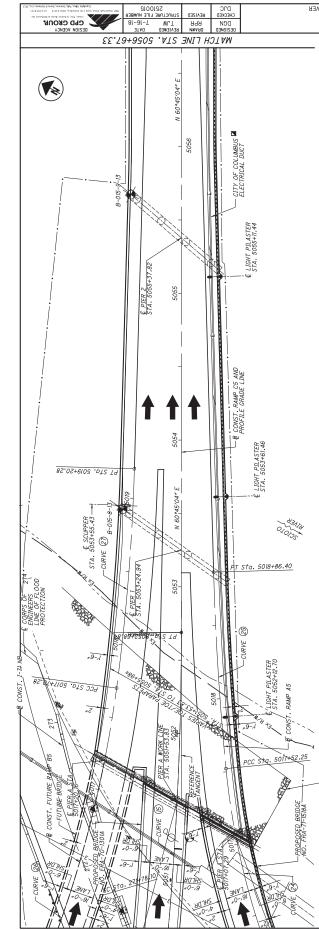




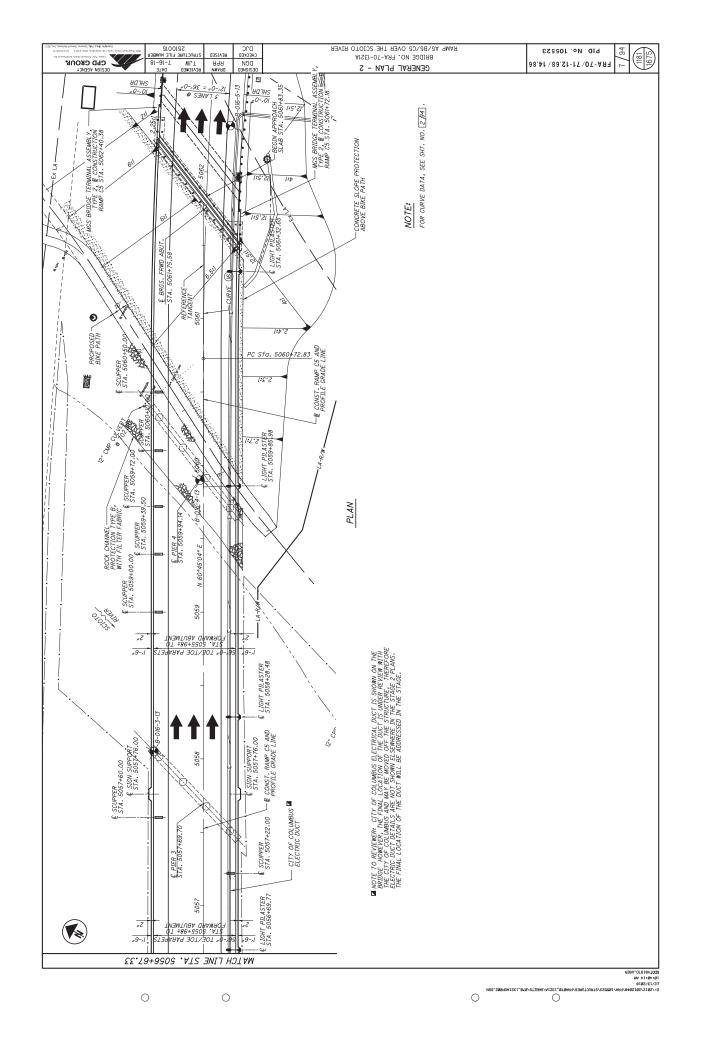


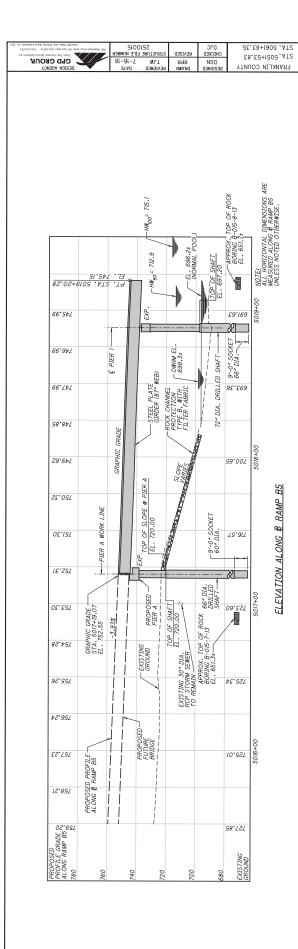
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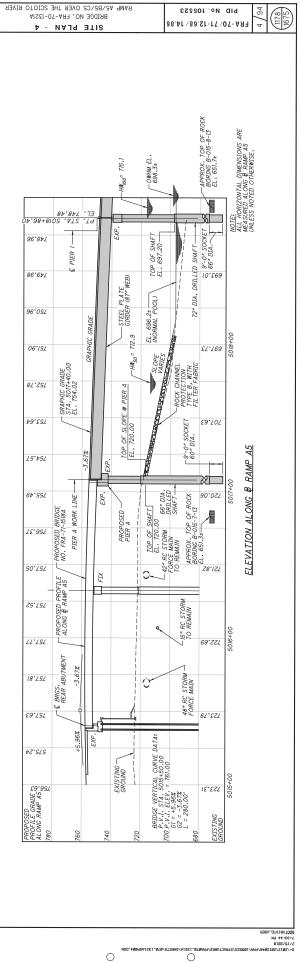


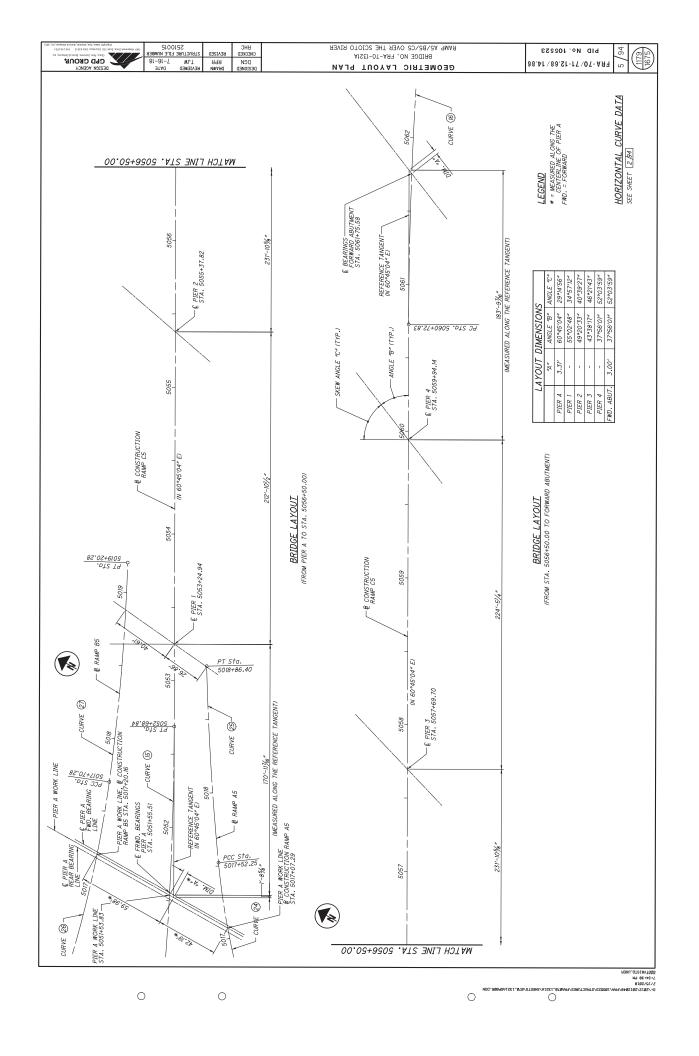


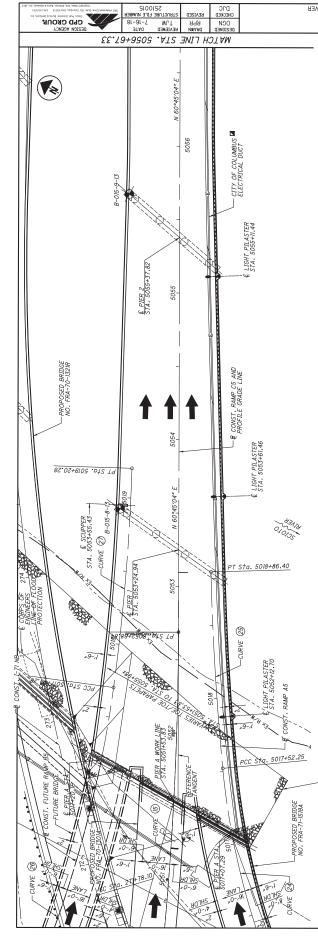
<b>NERAL PLAN - 1</b> GE NO. FRA-70-1321A /C5 OVER THE SCIOTO RIVE	0I98	0 0 0 0 0 0 0 0 0 0 0 0 0 0	1675
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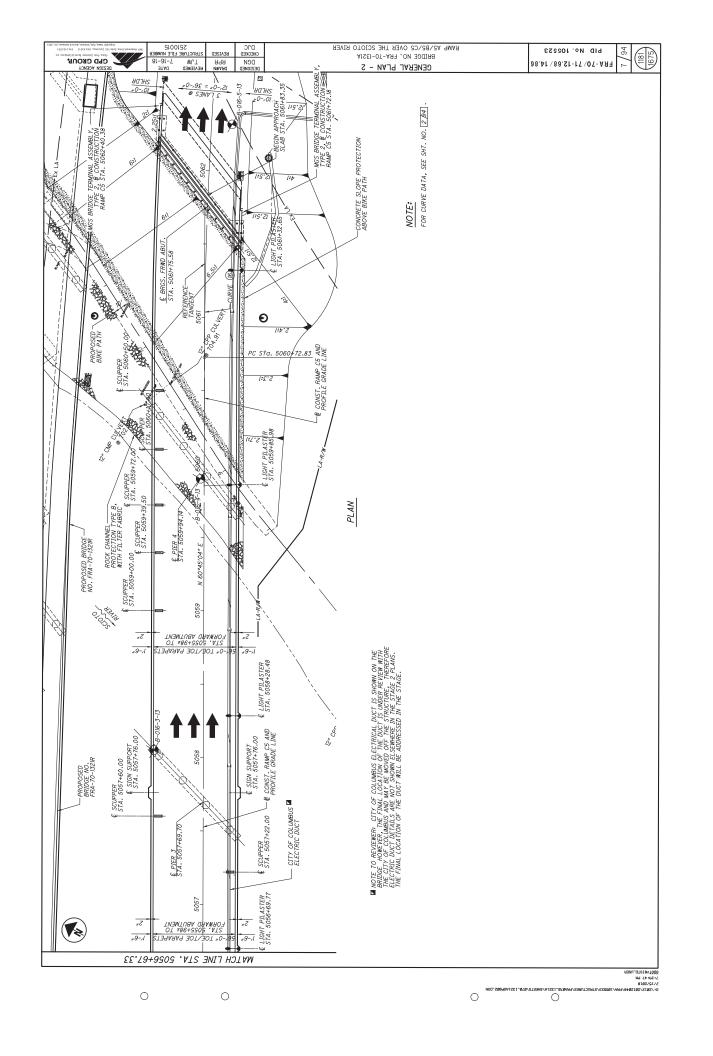


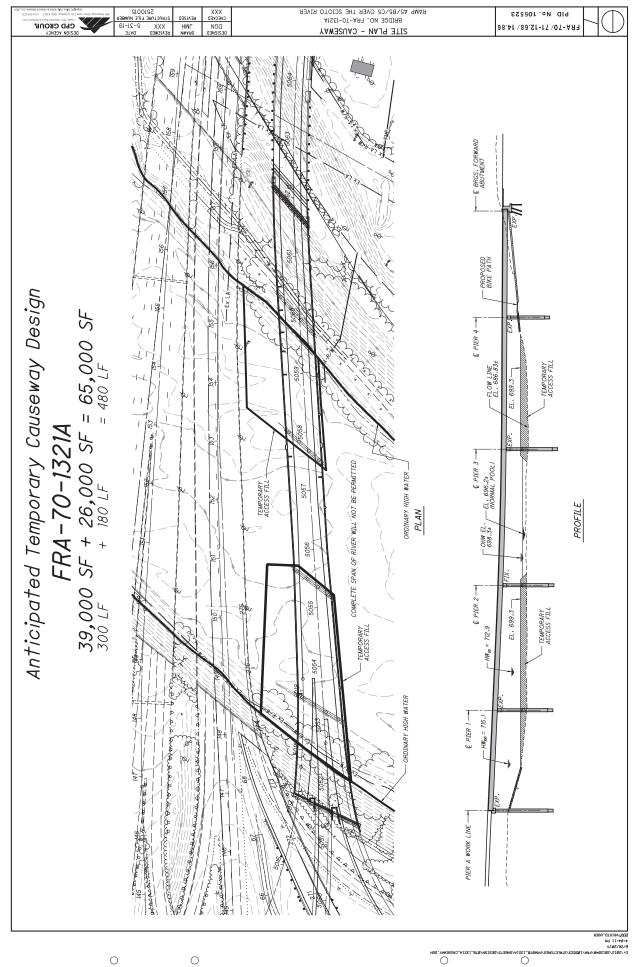


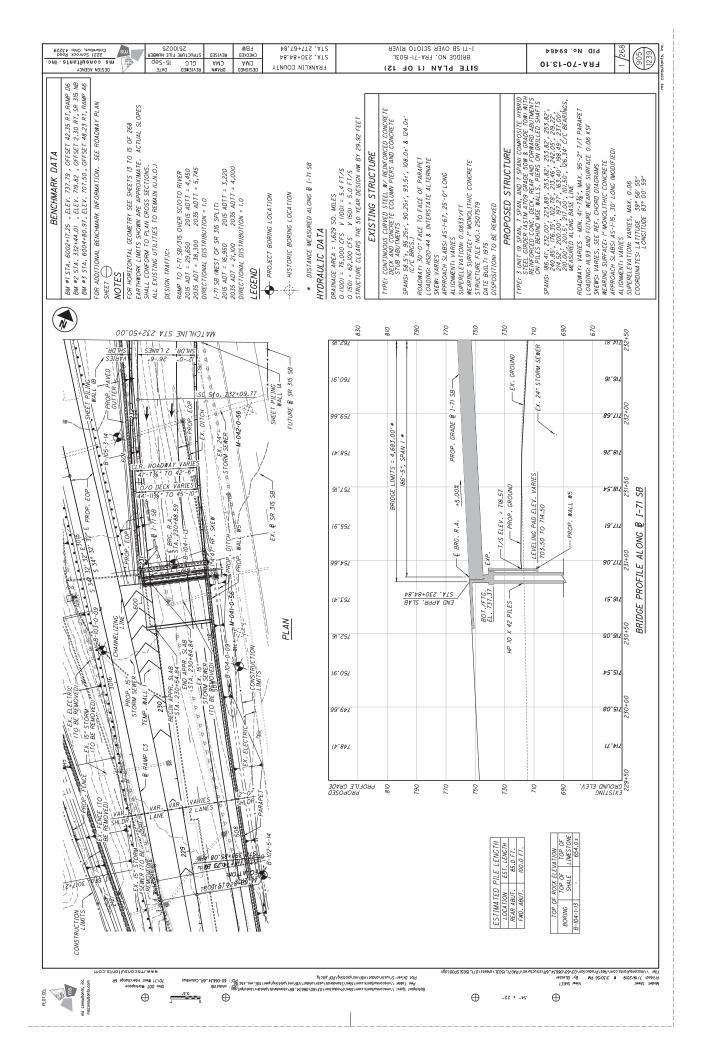


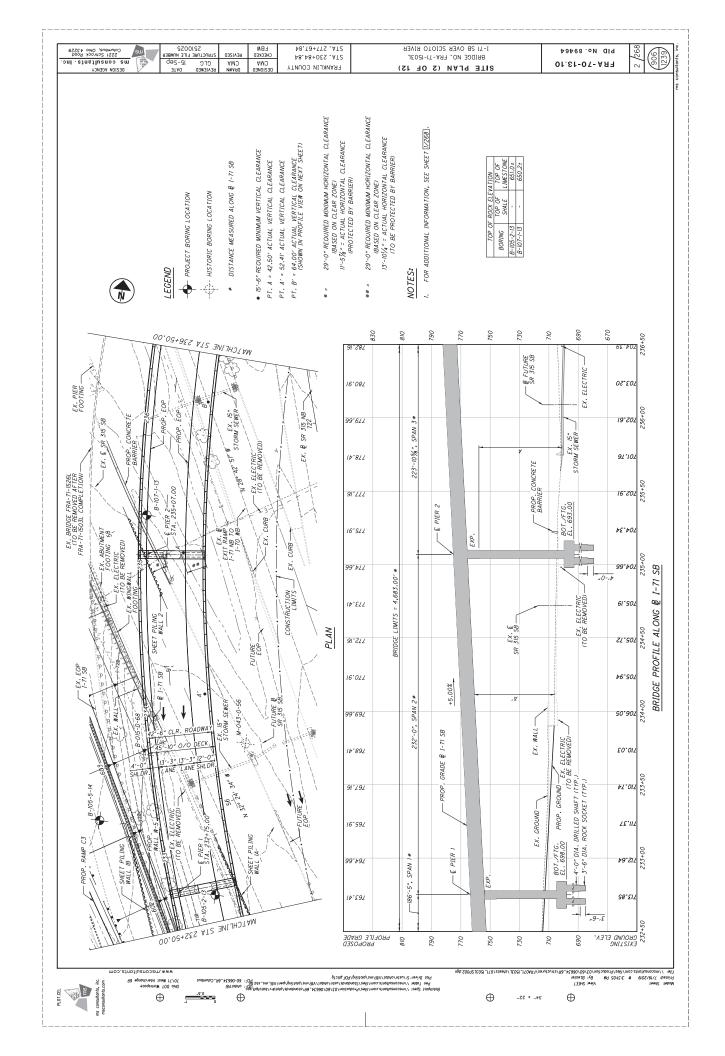


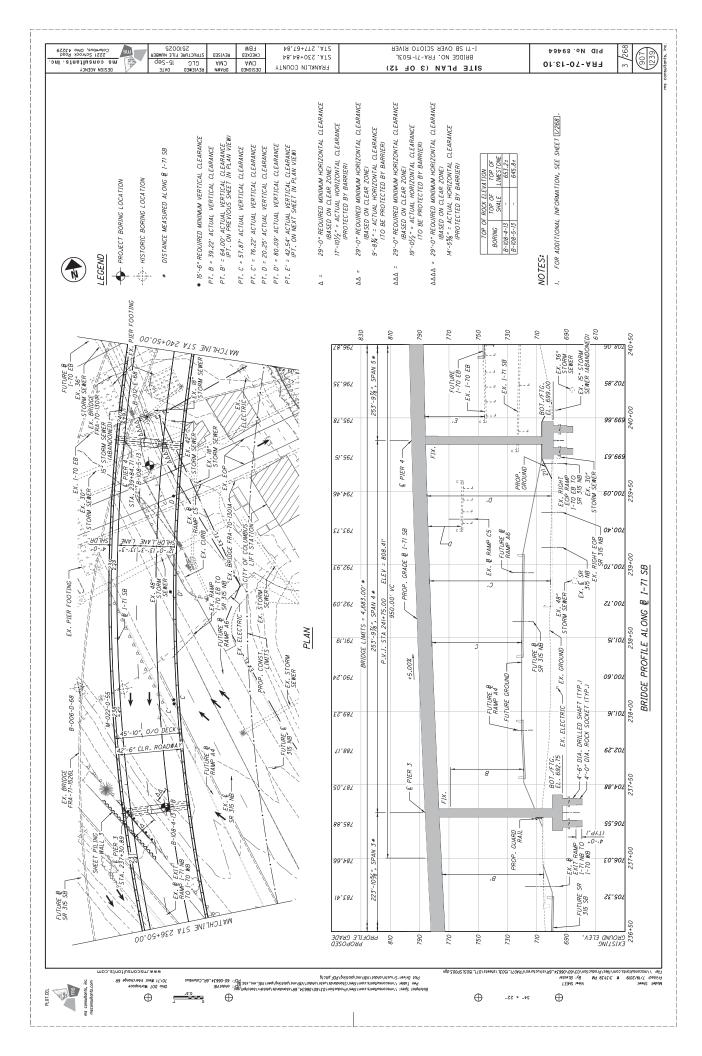
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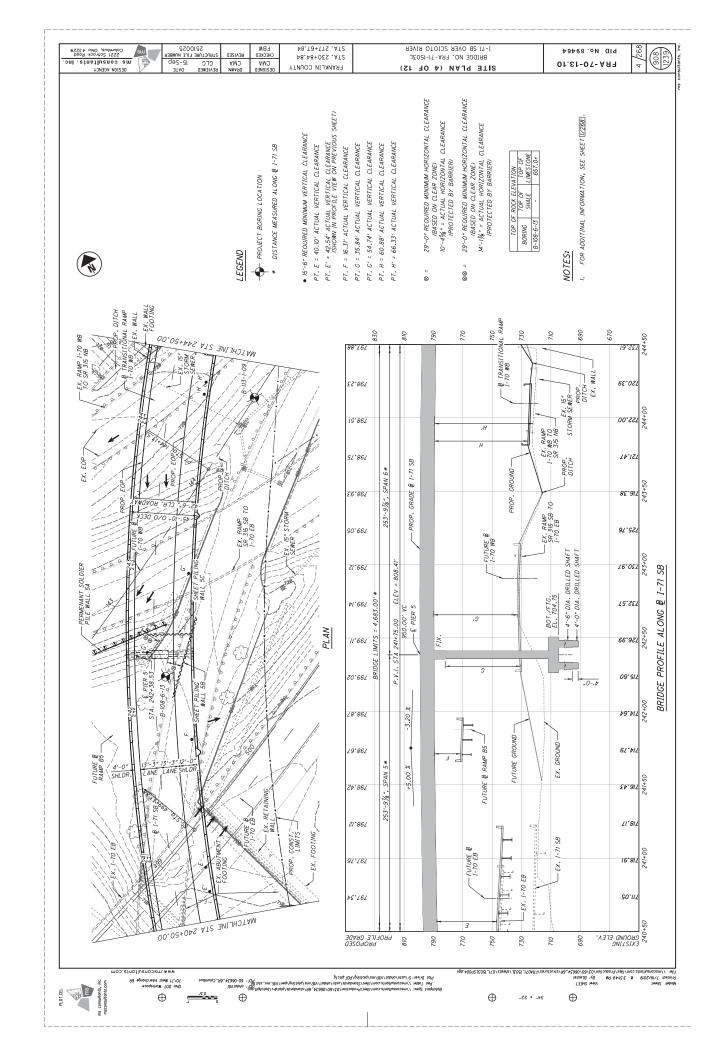


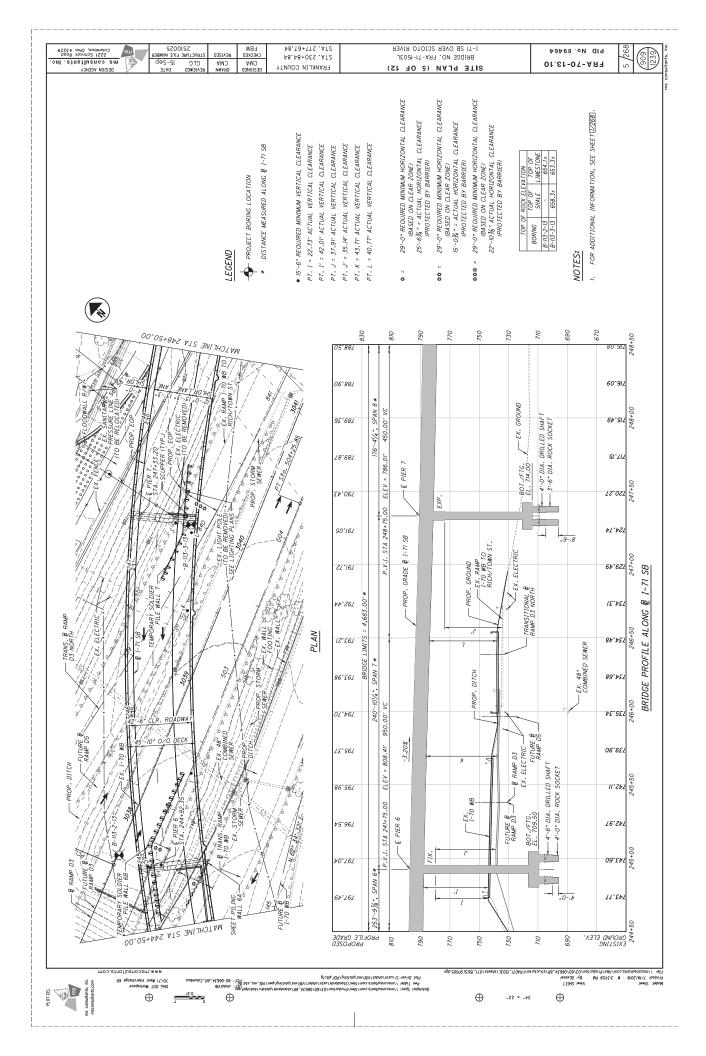


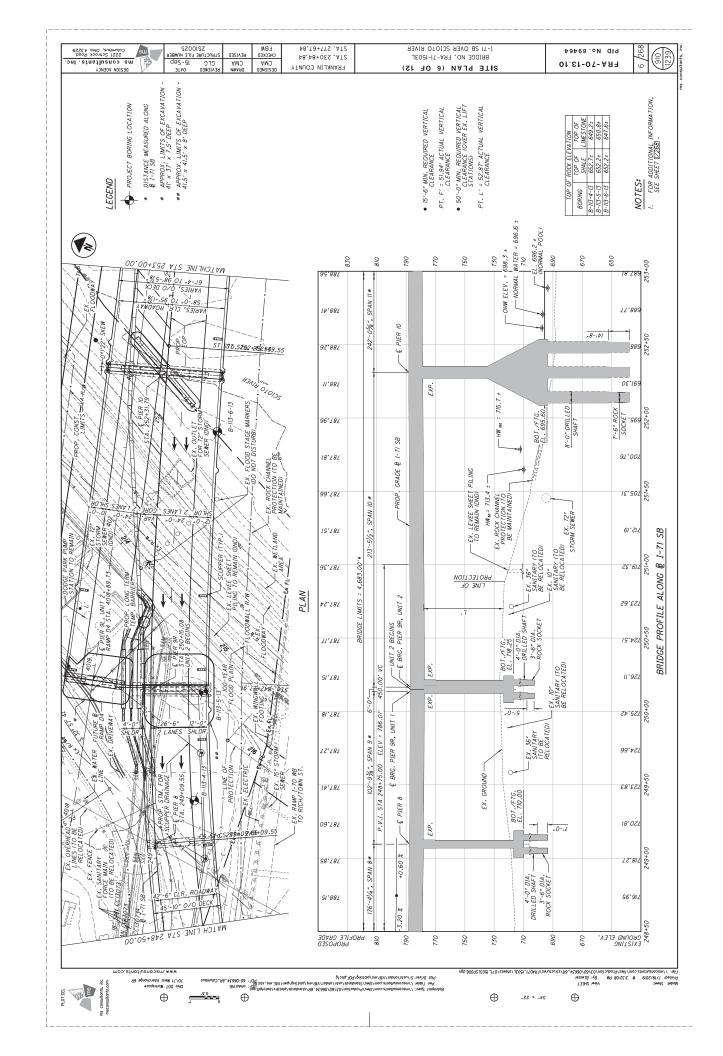


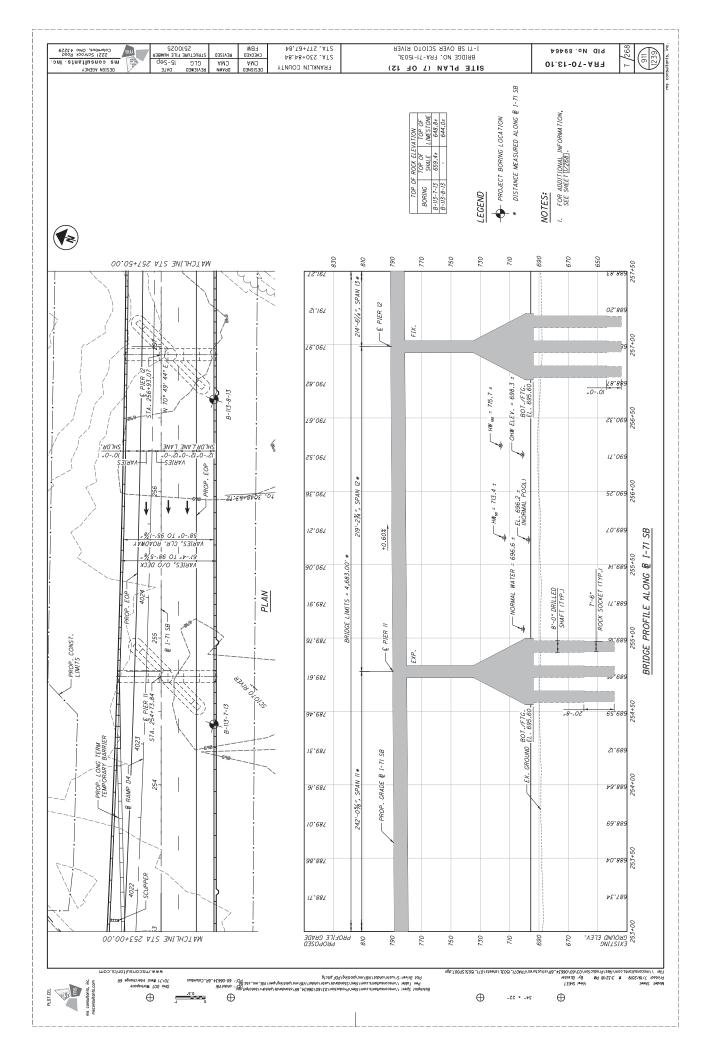


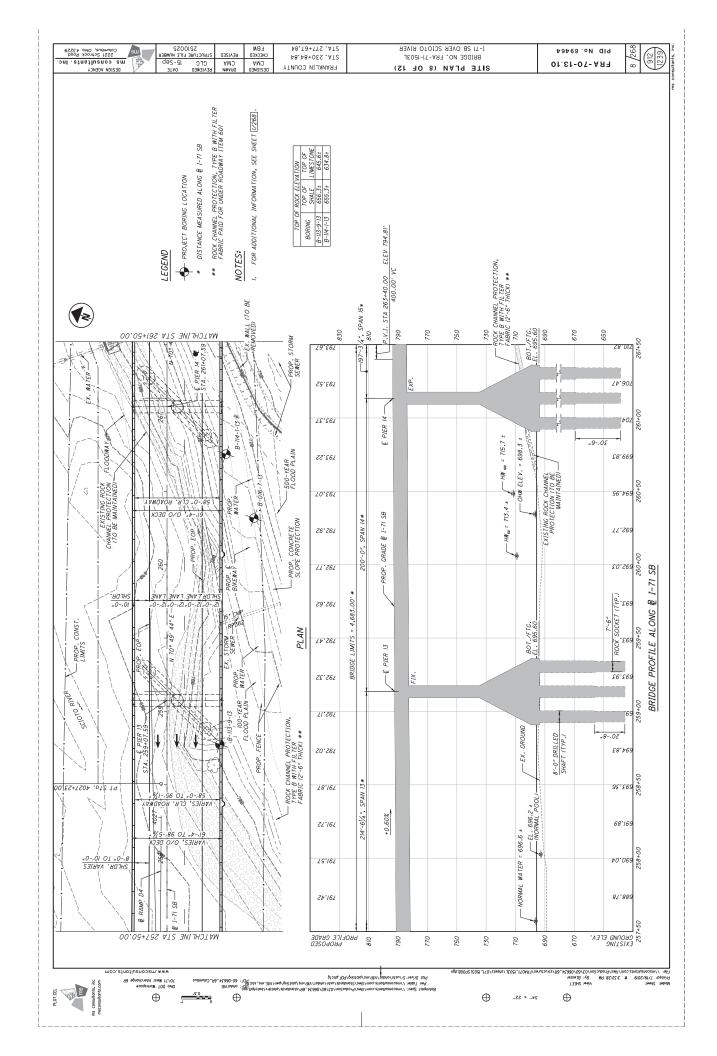


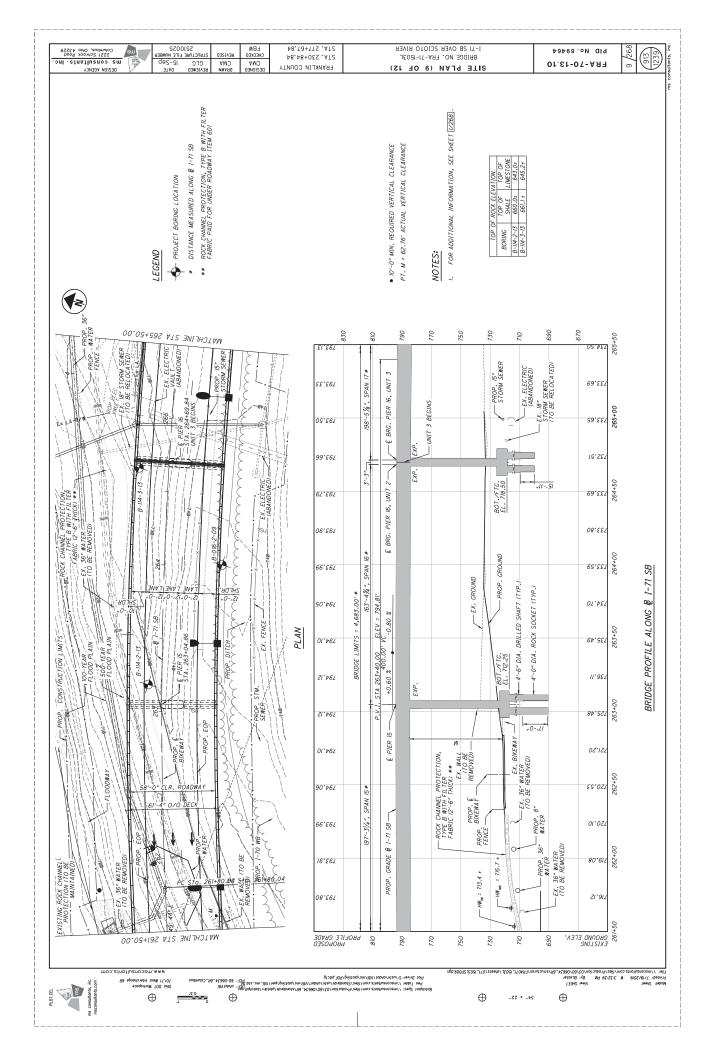


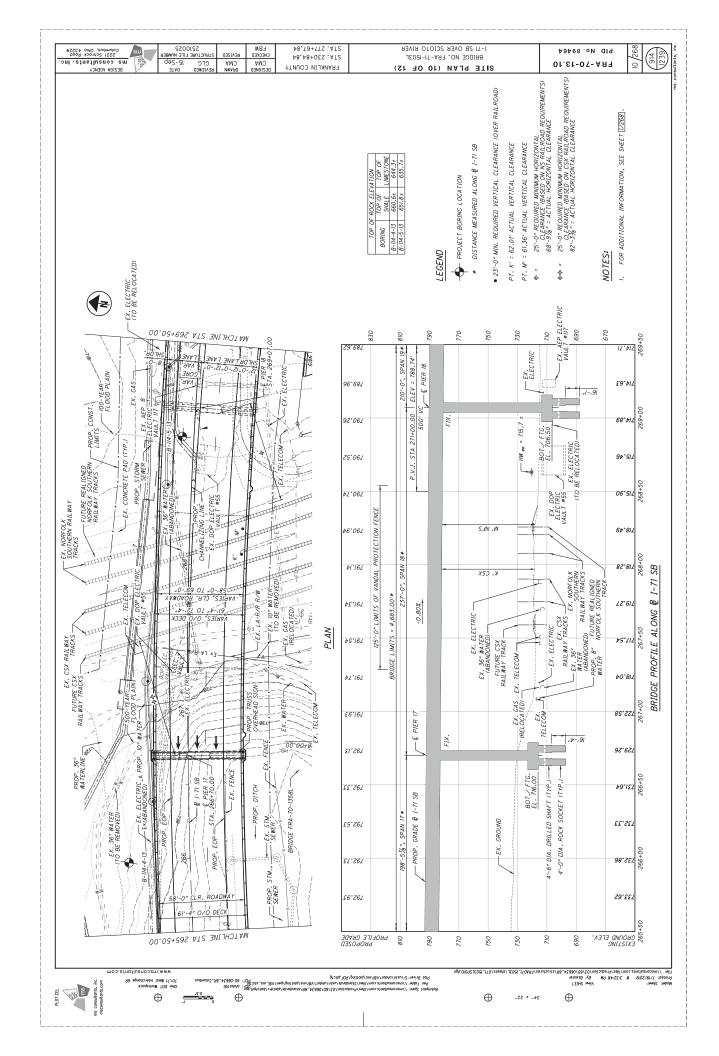


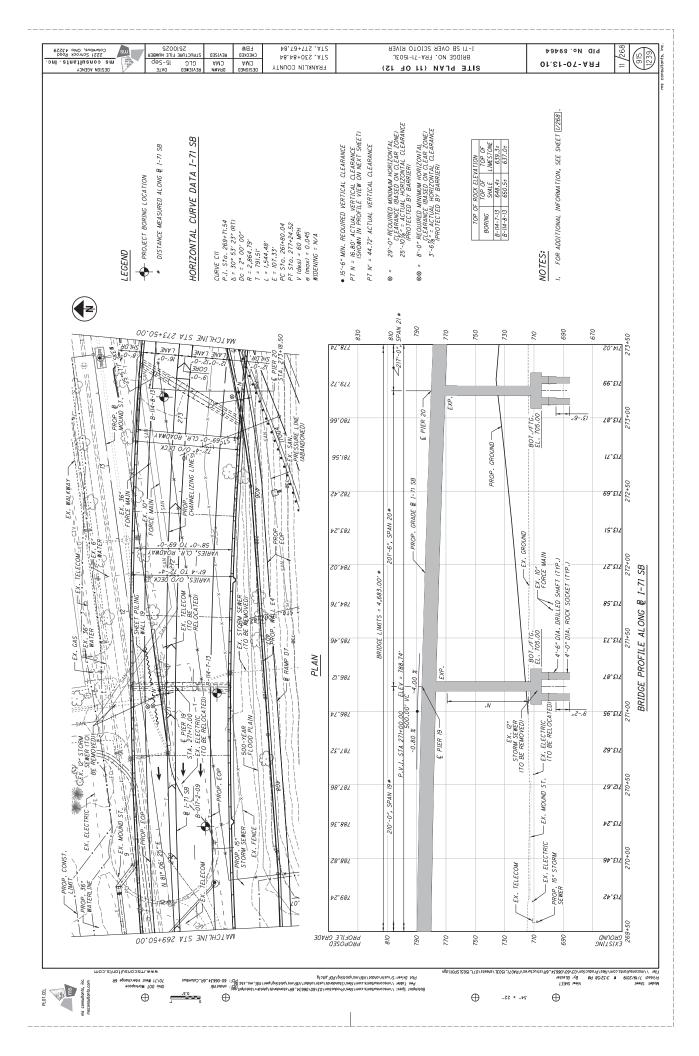


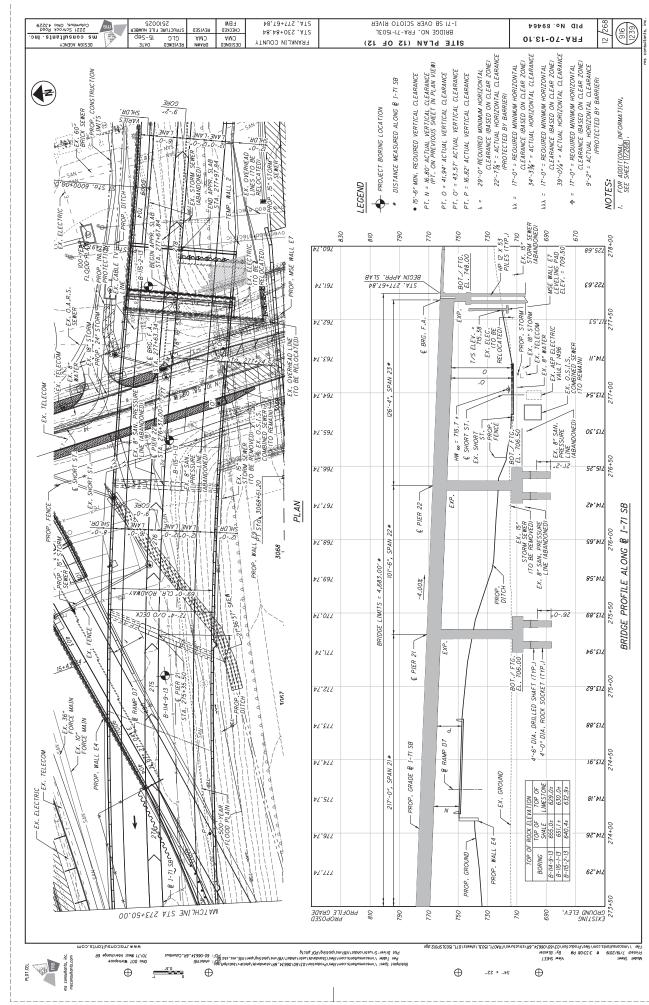


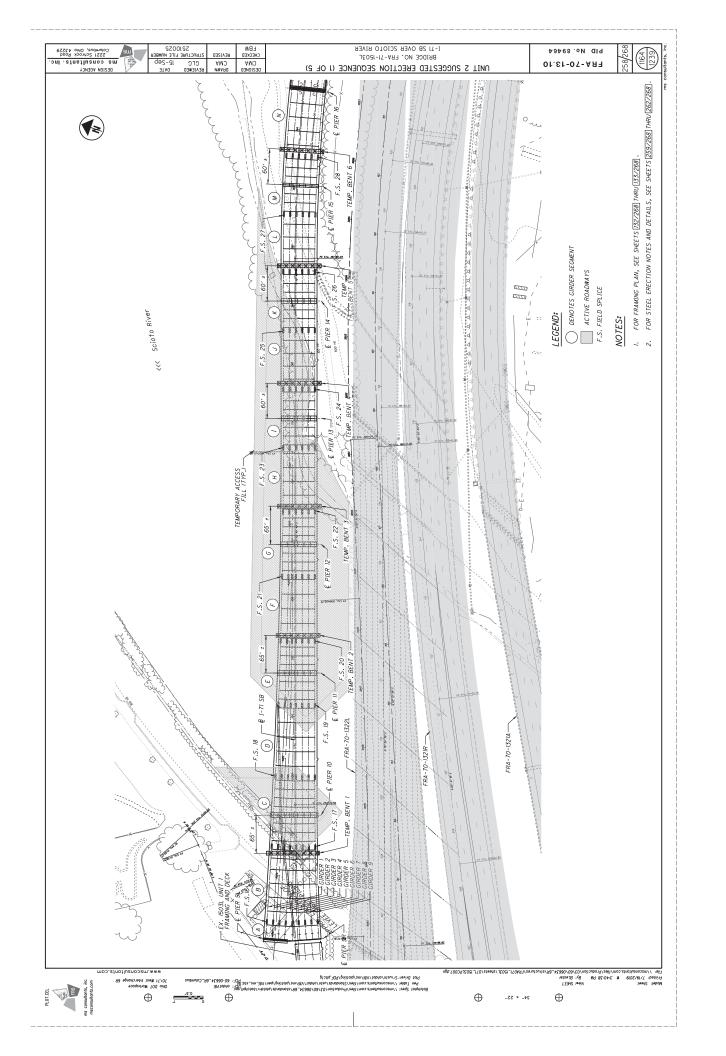


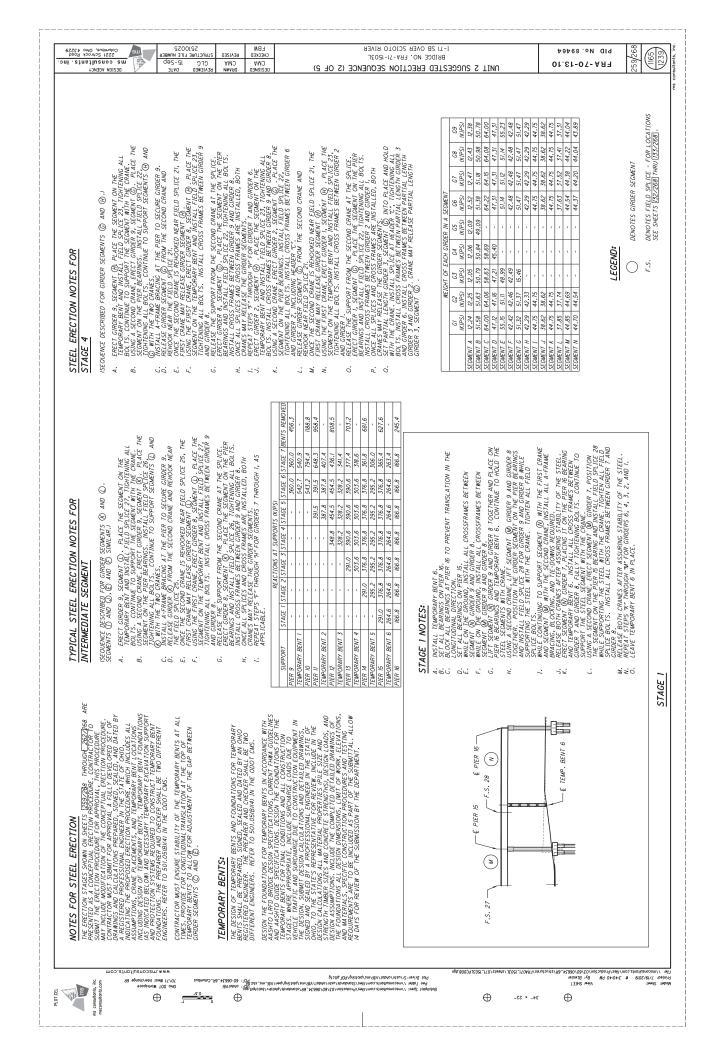


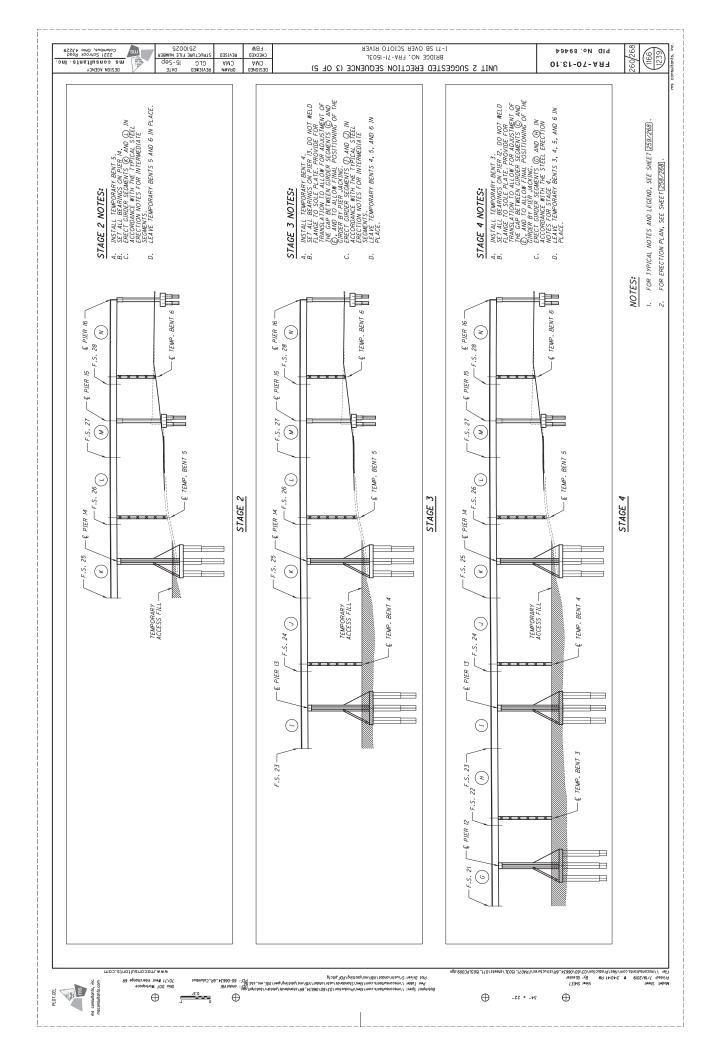


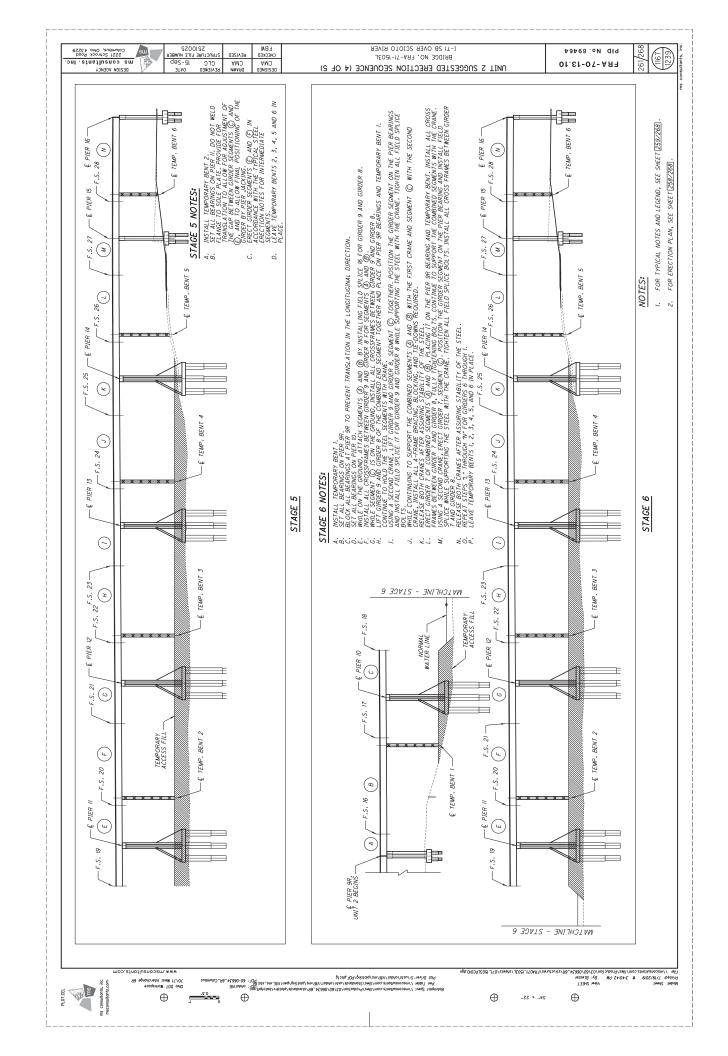


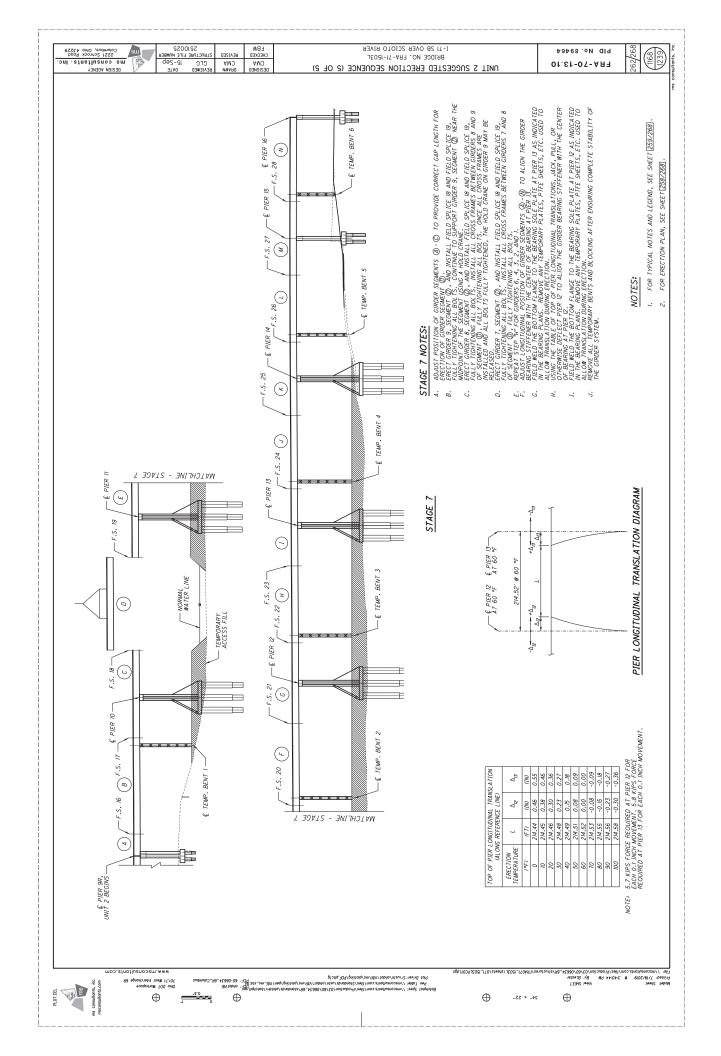














US Army Corps of Engineers Huntington District

Permit Number: 2020-00476-SCR

Name of Permittee: Ohio Department of Transportation

Date of Issuance:

Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the following address:

> Building 10/ Section 10 PO Box 3990 Columbus, OH 43218-3990

Please note that your permitted activity is subject to a compliance inspection by an U.S. Army Corps of Engineers representative. If you fail to comply with this permit you are subject to permit suspension, modification, or revocation.

I hereby certify that the work authorized by the above-referenced permit has been completed in accordance with the terms and conditions of the said permit, and required mitigation was completed in accordance with the permit conditions.

Signature of Permittee

Date

U.S. Army Corps of Engineers - Huntington District



#### US Army Corps of Engineers Huntington District

Permit Number: 2018-01012-SCR

Name of Permittee: Ohio Department of Transportation

Date of Issuance:

Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the following address:

U.S. Army Corps of Engineers - Huntington District Building 10/ Section 10 PO Box 3990 Columbus, OH 43218-3990

Please note that your permitted activity is subject to a compliance inspection by an U.S. Army Corps of Engineers representative. If you fail to comply with this permit you are subject to permit suspension, modification, or revocation.

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Signature of Permittee

Date