



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF TRANSPORTATION

Stephen C. Brich, P.E.  
Commissioner

1401 East Broad Street  
Richmond, Virginia 23219

(804) 786-2701  
Fax: (804) 786-2940

Date: September 10, 2024

Project Number: 0264-122-491, C501, B660, B661

Order Number: L39

### **Pre-Bid Conference:**

Time Started: 10:00 AM

Date: September 10, 2024

Location: VDOT Hampton Roads District Office

### **Site Visit:**

Time Started: 1:00 PM

Date: September 10, 2024

Location: Berkley Bridge (Assemble near the base of the Berkley Bridge adjacent to 225 State Street, Norfolk, VA)

**Required Attendance:** Yes  No

### **MEMORANDUM**

**TO:** Ben Coaker, P.E., CCM, Assistant State Construction Engineer

**FROM:** Mark Grass

**RE:** Project Showing

On this date the captioned project was shown to potential bidders in accordance with the guidelines of CD-2013-05.01. Attached are the minutes of the showing and the attendance sheet indicating the interested parties present.

\*\*There were no questions that could not be answered at the showing.

#### Attachments:

- Firm Requirements
- Individual Requirements
- Pre-bid Conference C-15
- Pre-bid Site Visit C-15
- Site Visit C-15
- Meeting Minutes
- Slides

#### CC:

Bruce Duvall, PE, Asst. District Engineer/Hampton Roads Project Development  
Joseph Ludwig, PE, District Construction Engineer

William Collier, PE, District Maintenance Engineer  
Mohamed Ali, PE, District Bridge Engineer  
Tim Haynam, PE, District Traffic Engineer  
Jeffrey Minnix, PE, Areas Construction Engineer  
Christopher Wojtowicz, PE, Area Construction Engineer  
Shannon Ternes, PE, District Special Structures Engineer  
James Swanson, PE, State Construction Contracts Manager / Construction Division  
Gil Falasco, PE, Contract Development Manager  
Carlos Reyes, E.I.T, Construction Engineer / Construction Division

Order L39 Mandatory Pre-bid & Site Visit Firm Requirements					
Company	CII/SSI Form	ID	10 AM Pre-bid Attendance and Sign-in	1PM Site Visit Attendance	All Requirements Met
Advantage Steel & Construction	Yes	Yes	Yes	Yes	Yes
Aldridge Electric	Yes	Yes	Yes	Yes	Yes
Archer Western	Yes	Yes	Yes	Yes	Yes
Brayman Construction	Yes	Yes	Yes	Yes	Yes
Cianbro	Yes	Yes	Yes	Yes	Yes
Crofton Construction	Yes	Yes	Yes	Yes	Yes
Faith Technologies	Yes	Yes	Yes	Yes	Yes
Johnson Brothers Corp (A Southland Company)	Yes	Yes	Yes	Yes	Yes
Kiewit	Yes	Yes	Yes	Yes	Yes
Mclean	Yes	Yes	Yes	Yes	Yes
PCL	Yes	Yes	Yes	Yes	Yes
Quality Electric Contracting	Yes	Yes	Yes	Yes	Yes
Scaffolding Solutions	Yes	Yes	Yes	Yes	Yes
Southern Road and Bridge	Yes	Yes	Yes	Yes	Yes
Steward Machine Company	Yes	Yes	Yes	Yes	Yes
Triad Electric Solutions	Yes	Yes	Yes	Yes	Yes
WM Schlosser	Yes	Yes	Yes	Yes	Yes
Best Repair Co	Yes	Yes	Yes	No	No
Precon Marine	No	No	No	Yes	No
Spivey Services	Yes	Yes	Yes	No	No
The Kennedy Company	Yes	Yes	Yes	No	No

Legend
Eligible to bid as Prime
No eligible to bid a prime
Item Missing

L39 - 121173 - Pre-bid Individual Requirements						
Firm	Attendee Name	CII/SSI NDA Form	Photo-ID	Present at 10AM Pre-Bid	Present at 1PM Site Visit	All Reqs Met
Advantage Steel & Construction	Tyler Perry	Yes	Yes	Yes	Yes	Yes
Aldridge Elec	Joseph Tominovich	Yes	Yes	Yes	Yes	Yes
	Curt Braun	Yes	Yes	Yes	Yes	
Archer Western/Walsh Group	Laurence Wadman	Yes	Yes	Yes	Yes	Yes
Brayman Construction Corp.	Joseph Flowers	Yes	Yes	Yes	Yes	Yes
Cianbro	Andrew Bowden	Yes	Yes	Yes	Yes	Yes
	Gabriel Sloane	Yes	Yes	Yes	No	
	Matthew Hebert	Yes	Yes	Yes	Yes	
	Nathan Frazier	Yes	Yes	Yes	Yes	
	Garrett Frank	Yes	Yes	Yes	No	
Crofton Construction Services, Inc	Jason Obereiner	Yes	Yes	Yes	No	Yes
	Eric Mullen	Yes	Yes	Yes	Yes	
	Salecedo (Sal) Mejia	Yes	Yes	Yes	No	
Faith Technologies	Kevin Crofton	Yes	Yes	Yes	Yes	Yes
	Justin Putman	Yes	Yes	Yes	Yes	
Johnson Bros. Corp. (A Southland Company)	Paul Bauman	Yes	Yes	Yes	Yes	Yes
Johnson Bros. Corp. (A Southland Company)	Tracy Moore	Yes	Yes	Yes	Yes	Yes
Kiewit Infrastructure South Co.	Thomas Neubauer	Yes	Yes	Yes	Yes	Yes
Mclean Contracting	Thomas Bettcher	Yes	Yes	Yes	Yes	Yes
	Samantha Tran	Yes	Yes	Yes	Yes	
PCL Construction Inc.	Camden Barnett	Yes	Yes	Yes	No	Yes
	Jordan Robbins	Yes	Yes	Yes	Yes	
	Dustin Guskiewicz	Yes	Yes	Yes	Yes	
	Zachary Mckinley	Yes	Yes	Yes	Yes	
	Gary Dale	Yes	Yes	Yes	Yes	
Quality Electric Contracting Inc.	Vincent Darragh	Yes	Yes	Yes	Yes	Yes
	Brittany Henderson	Yes	Yes	Yes	No	
	Tom Rice	No	No	No	Yes	
Scaffolding Solutions, LLC	Gregory Wolf	Yes	Yes	Yes	Yes	Yes
Southern Road & Bridge	James Caron	Yes	Yes	Yes	Yes	Yes
	Drossos Strobel	Yes	Yes	Yes	Yes	
Steward Machine Company	Craig Cox	Yes	Yes	Yes	Yes	Yes
Triad Electrical Solutions, Inc.	Christopher Bailey	Yes	Yes	Yes	No	Yes
	Joseph Turner	Yes	Yes	Yes	Yes	
	Edward Garner	Yes	Yes	Yes	Yes	
	Perry Janik	Yes	Yes	Yes	Yes	
WM Schlosser Co.	William Hoggard	Yes	Yes	Yes	Yes	Yes
Best Repair Co. Inc	Gary Phelps	Yes	Yes	Yes	No	No
	Steve Bott	Yes	Yes	Yes	No	
Precon Marine, Inc.	Robert Thomas	No	No	No	Yes	No
Spivey Services	Larry Willford	No	No	Yes	No	No
	Daniel Samuels	Yes	Yes	Yes	No	
The Kennedy Company	Kurt Kennedy	Yes	Yes	Yes	No	No

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
PROJECT SHOWING ATTENDANCE SHEET

CONTRACT ID. NO.: C0000121173C PROJ. NO.: 0264-122-491, C501, B660, AREA CONSTRUCTION ENGINEER: Jeff Minnix  
 ROUTE: 264 COUNTY: Norfolk City DATE: 9/10/2024  
 DISTRICT: Hampton Roads CONSTRUCTION AREA: Pre-bid Conference TIME: 10:00 AM

REPRESENTATIVE	COMPANY	COMPANY ADDRESS	EMAIL ADDRESS	PHONE NUMBER
MARK GRASS	VDOT	7511 BURGESS DR. SUITE 104, MARK GRASS VDOT	MARK.GRASS@VDOT.VA	757-375-4723
Chris Wojtowicz	VDOT	1992 S. Military Hwy, Chesapeake	chris.wojtowicz@vdot.virginia.gov	757-322-7791
LARRY WADMAN	ARCHER WESTERN		lwadman@walsingroup.com	301-221-9176
SAM TRAN	MCLEAN	757.692.9099 3100 BELTLINE DR	stran@mcleancontracting.com	
TRACY MOORE	JOHNSON BROS. CORPORATION	1100 KENNEDY BLVD, GREENSBORO, NC 27405	tracy.moore@johnsonbrosholdings.com	919-293-1263
Jason Obercink	Cianbro	6005 Pittman Rd, Blm	jobercink@cianbro.com	860-340-0379
Nate Frazier	Cianbro	101 Cianbro Square, Pittsfield, ME	nfrazier@cianbro.com	207-416-9578
ANDREW BOWDEN	CIAMBRO	101 Cianbro Sq, Pittsfield, ME	abowden@cianbro.com	207-615-5043
Matthew Hebert	CIAMBRO	101 Cianbro Sq, Pittsfield, ME	mhebert@cianbro.com	860-883-7984
Paul Bauman	Faith Technologies	201 Main St, Menasha, WI	Paul.Bauman@faithtechinc.com	920-843-1752
Bill HOGGARD	WM SCHLOSSER		Bills@wmschlosser.com	7372 0649
Justin Putnam	Faith Technologies	201 Main St, Menasha, WI	Justin.Putnam@faithtechinc.com	920-255-0453
Tom Nouravon	Kiewit	2062 Henry Dr, Apex, NC	Tom.Nouravon@kiewit.com	847 264 0500
Joey Tommasot	Aldridge Elec.	844 E. Rockford Rd., Libertyville, IL 60048	JTommasot@aldridgegroup.com	301-440-0005

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Libertyville, IL 60048

group.com

REPRESENTATIVE	COMPANY	COMPANY ADDRESS	EMAIL ADDRESS	PHONE NUMBER
Travis Kimmie	U+H	-	TKimmie@hardestymovers.com	757-234-4069
Jon Hewko	H+H	-	jheko@hardestymovers.com	724-7662345
Art Blacy	Aldridge Electric	-	cbrown@aldridge-electric.com	813-321-918
Paddy Kostadinov	H+H	-	TKostadinov@HardestYHemover.com	646-428-8516
STEVEN BOTT	BEST REPAIR CO	2404 DEBREE AVE	STEVEN.BOTT@BESTREPAIR.NET	
GARY PHILLIPS	BEST REPAIR CO	" "	GARY.PHILLIPS@BESTREPAIR.NET	
Kevin Crofton	Crofton Construction Services, Inc.	16 Harper Ave., Portsmouth, VA	kkcrofton@crofton.com	757-818-3910
SAL MEJIA	CROFTON CONST. SERVICES INC	16 HARPER AVE. PORTSMOUTH.	smejia@crofton.com	757 397 1131
ERIC MULLEN	CROFTON	16 HARPER AVE, PORTSMOUTH	EMULLEN@CROFTON.COM	757-397-1131
Kurt Kennedy	The Kennedy Company Va	2924 A. R. R. Rd. Cityman	kkenn@thekennedyco.com	757-469-8038
JAMES CARON	SOUTHERN ROADS BRIDGE		jcaron@southernrb.com	828-417-2278
Tyler Perry	Advantage Steel & Construction	2300 South Noah Dr	t-perry@advsteel.com	(412) 585-0589
Joseph Flowers	Brayman Construction Corp	1020 John Roebling Way	jflowers@brayman.com	724-443-1533
Drossos Stobal	Southern Road & Bridge		FISH@SouthernRB.com	418 691 8770
Gabriel Sloane	Cianbro	Pitman Rd, Baltimore MD	gsloane@cianbro.com	443-947-2936
Garrett Frank	Cianbro	Pillman Rd, Baltimore MD	gfrank@cianbro.com	410-3035481
GREG WAT	SCAFFOLDING SOLUTIONS	2408 INDIAN RIVER RD. LAESDPEARE, VA	gwalt@scaffolding-solutions.com	757-418-7853
TOM BETTCHEN	MCLEAN CONTRACTING	3100 BELTLINE DR 23329	tbettchen@mcleancontracting	757-651-6265
DUSTIN GUSEKIEWICZ	PCL	1 N. DALE MADRY HWY TAMPA, FL 33609	DJGUSEKIEWICZ@PCL.COM	321-202-8353
GARY DALE	PCL	" "	GRDALE@PCL.COM	386-804-0606
CAMDEN BARNETT	PCL	" "	cbarnett@pcl.com	813-557-7646

REPRESENTATIVE	COMPANY	COMPANY ADDRESS	EMAIL ADDRESS	PHONE NUMBER
ZACHARY MCKINLEY	1 NORTH DUNE NABAY HWY FL	FL	zmckinley@pci.com	813 469 4808
JORDAN ROBBINS	PCL	1 N. DUNE NABAY HWY, TAMPA, FL	JROBBINS@pci.com	561-232-9773
Craig Cox	Steward Machine Co.	3711 13th Ave. North Birmingham AL	CCOX@stewardmachine.com	804-243-7913
Vincent Darragh	Quality electric contracting	1377 Evercane Rd Clewiston FL	Vdarragh@Qualityelectriccontracting.com	252 698 6291
Brittany Henderson	Quality electric contracting	1377 Evercane Rd	BrittanyHenderson@Qualityelectriccontracting.com	
LARRY WILLFORD	SPIVEY SERVICES	1209 INTERNATIONAL PLAZA	LWILLFORD@SPIVEY-SERVICES.COM	757 485 8888
Daniel Samuels	Spivey Services	207 International Plaza	Dsamuel@spivey-services.com	757 485 8888
Len Turner	Triad Elec. Solutions	15225 Carrollton Blvd Carrollton, VA 23314	Lturner@triadgroup-inc.com	703-376-838
Chris Bailey	Triad Elec Solutions, Inc	15225 Carrollton Blvd Carrollton, VA 23314	Cbailey@triadgroup-inc.com	757-556-4787
Edward Garner	Triad Elect. Solution Inc	15225 Carrollton Blvd Carrollton VA 23314	egarner@triadgroup-inc.com	757-647-9275
PEERY JAMK	TRIAD ELEC SOLUTIONS INC	15225 CARROLLTON BLVD CARROLLTON VA	PTANIEL@TRIADGROUP-INC.COM	757-770-9044
Timothy Hays	VDOT		timothy.hays@...	757-504-5663
Ken Stuck	VDOT-ENV		Kenneth.stuck@...	757 334-0762
Ryan Wolfgang	RK&K	2901 LYNNHAGEN RD VIRGINIA BEACH, VA	RWOLFGANG@RKK.COM	717-329-5930
JOE LUDWIG	VDOT	HR-DISTRICT	Joseph.Ludwig@vdot.virginia.gov	757-648-0894
ERIC DANIEL	RK&K	2901 LYNNHAGEN RD VB, VA	EDANIEL@RKK.COM	755-478-8822
Vijay Modi	HDR	249 Central Park Av VA Beach VA 23452	Vmodi@hdrinc.com	757.572.7238
Stephen Grabowski	HDR	"	Stephen.Grabowski@hdrinc.com	757.222.1589
SHANNON TERVES	VDOT	HR-DISTRICT	SHANNON.TERVES@VDOT.VIRGINIA.GOV	757-956-3817
Tracy Moore	Johnson Bros Corp.	1100 Kubota Gardner, VA	bidding@johnsonbrosholding.com	817-293 4263

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PROJECT SHOWING ATTENDANCE SHEET

CONTRACT ID. NO.: C0000121173C PROJ. NO.: 0264-122-491, C501, B660, AREA CONSTRUCTION ENGINEER: Jeff Minnix  
 ROUTE: 264 COUNTY: Norfolk City DATE: 9/10/2024  
 DISTRICT: Hampton Roads CONSTRUCTION AREA: Site Visit TIME: 1:00 PM

REPRESENTATIVE	COMPANY	COMPANY ADDRESS	EMAIL ADDRESS	PHONE NUMBER
MARK GLASS	VDT	7511 BRIDGE RD SFAW, VA 23135	MARK.GLASS@VDT.VIRGINIA.GOV	757-375-6173
Matt Hebert	CIAMBRO	101 Cimbro Sq Pittsfield ME	mhebert@ciambro.com	888-60-883-7894
Dresses Simbol	Southern Road & Bridge		FISH@SouthernRd.com	918-691-8170
Nate Frazier	Cimbro	101 Cimbro Sq Pittsfield, ME	nfrazier@ciambro.com	207-416-9578
LARRY WADMAN	ARMED WESTERN		lwadman@armedwestern.com	301-221-9156
Andrew Bowden	CIAMBRO	101 Cimbro Sq Pittsfield ME	abowden@ciambro.com	207-416-5437
Vincent Parrush	Quality Electric		Vparrush@QualityElectric.com	252-698-6291
Tom Rice	Quality Electric			252-698-6291
Justin Putnam	Faith Technologies	201 Main St. Manassas, VA	Justin.Putnam@FaithTech.com	920-255-0453
Paul Bowman	"	"	Paul.Bowman@FaithTech.com	920-943-1752
Teddy Kostadinov	H&H		TKostadinov@huestyknarc.com	646-428-8516
Jon Hewko	H&H		jhewko@huestyknarc.com	724-766-2395
James Caran	Southern Road & Bridge		jcaran@SouthernRd.com	828-417-2256
Stephen Grabowski	HDK		stephen.grabowski@hdk.com	919-938-1947

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**Order L39**  
**UPC 121173**  
**State Project #: 0264-122-491, P101, C501, B660, B661**  
**#SS – Berkley Mechanical and Electrical System Replacement**  
**Mandatory Pre-Bid Conference**  
**September 10, 2024**  
**MINUTES**

**Pre-bid Meeting:**

- Opening
  - o Pre-bid conference to start 10:05 AM
  - o Sign-in sheet (Form C-15) available at 9:00 AM
  - o Welcome
  - o Introductions
- Administrative:
  - o Purpose of meeting: Order L39 Mandatory Pre-bid conference
  - o Requirements:
    - o Sign-in
    - o A photo ID will be required (example: a valid Driver's License or a valid passport).
    - o An agreement for Release of Critical Infrastructure Information/Sensitive Information (CII/SSI) must be completed, signed.
    - o Bid will only be accepted from those bidders who are represented at this mandatory Pre-Bid showing conference and Site Visit. Attendance at this mandatory showing conference will be evidenced by the representatives' s signature on the Department's attendance roster.
    - o Bidders are invited to bring a copy of the solicitation proposal with them. Any changes resulting from this mandatory Pre-Bid Showing Conference and Site Visit will be issued in a written addendum to the solicitation proposal.
    - o Morning Pre-bid Conference and afternoon site visit are both mandatory.
    - o Site visit sign-in sheet.
  - o No commitments to plan revisions or specification changes will be made at the pre-bid meeting.
  - o An attendee will be permitted to represent more than one firm only when the firms represented are affiliated. The attendee must sign in for each firm he or she represents.
- Collection of sign-in sheet and announcement – No one else will be allowed to sign-in and only those listed on the sheet will be allowed to bid.
  - o Bidders must be present from the beginning to the conclusion of both the pre-bid conference and the site visit.
- Projected Procurement Schedule:
  - o Advertisement: August 13, 2024
  - o Mandatory Pre-bid conference and site visit: September 10, 2024
  - o Bid-Letting: November 20, 2024
- Project Overview – presentation by HDR/H&H
  - o Project Location

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**#SS – Berkley Mechanical and Electrical System Replacement**  
**Mandatory Pre-Bid Conference**  
**September 10, 2024**

**MINUTES**

- Berkley Bridges – General Background
- Project Purpose
  - Overall the purpose of the project is to ensure the safety and reliability of this critical water crossing.
    - Westbound bridge machinery was not upgraded in previous rehab when the bridge was widened and is undersized.
    - Machinery on both bridges is not code compliant and in a condition that warrants replacement.
    - Majority of electrical equipment has exceeded its useful life and has been rated severe per the latest AASHTO inspections.
    - The existing thyristor drives are no longer supported and pose a risk to the reliability of bridge operations.
    - Project will place the bridge on its own dedicated utility feed, separate from ERC and integrate the new on-shore generators
- Contract Documents
  - Fully Executed L39 Proposal Documents
    - Includes Special Provision Copied Notes (SPCN), Special Provisions, Supplemental Specifications and attachments (e.g. Blue Card Package)
  - VDOT Road and Bridge (R&B) Specifications
  - Contract Plans
  - VDOT R&B Standard Drawings referenced in documents above.
  - All Memoranda of Understanding per Section 103.01 of VDOT R&B specs.
  - Change Orders
  - Predetermined Wage Rates
    - Refer to L39 for Virginia DOLI Wage Rates applicable to the project
  - DBE/SWaM Requirement
    - Requirement = Swam (1%), DBE (None)
  - Substantial Completion: October 31, 2030
    - Substantial Completion Date is based on an NTP date of April 1, 2025
  - Liquidated Damages/Lane User Fees/Penalties
    - LD's are assessed per VDOT R&B Specs Section 108.06
    - Lane User Fees assessed per Special Provision Section 108.02- Limitations of Operations
    - Penalties levied by USCG per CFR – 33 U.S.C. 495(b) shall be the responsibility of the Contractor
  - Incentives/Disincentives
    - None associated with this project

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**September 10, 2024**  
**MINUTES**

- Milestones
    - Temporary Operating System, Contractor responsibility for O&M
  - Project Scope – Multidisciplinary project including but not limited to:
    - Temporary Operating System (TOS)
      - Westbound and Westbound Plan View
      - Hydraulic modes of Operation
      - Control Equipment and Modes
        - Two modes:
          - Auto (PLC)
          - Emergency (PB)
- HDR advised one temporary drive system is to be furnished which will be relocated to each bascule leaf.
- Mechanical Work
  - Replacement of main drive machinery
  - Replacement of aux drive machinery
  - HVAC systems in new rooms (utility and electrical)
  - Span Balancing (Preliminary/Interim/Final)
- Electrical Work
  - Replacement of submarine cables
  - Replacement of droop cables
  - Replacement of control and drive systems
  - Replacement of warning gates
  - Replacement of control desk and installation of HMI
  - Installation of conduit and conductors from South abutment to new electrical room
    - Connection of new onshore generators, electrical feed, and commissioning on new bridge equipment.
- Structural Work
  - Westbound cross girder repairs
  - Warning gate platform modifications
  - Roadway hatches (constructability)
  - Machinery room and rack support modifications
  - Installation of electrical and utility rooms
  - Submarine cable support and protection
  - Bascule pit ladder replacements
- Architectural Work
  - New electrical room
  - New utility room

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**MINUTES**

- New exterior stairs and enclosure
  - Civil and Erosion and Sediment Control
    - E&S for laydown area
    - E&S for new utility conduits/conductors at South abutment
    - Stormwater Pollution Prevention Plan
  - Right of Way
    - All work is within VDOT ROW
  - MOT and Roadway Work Includes
    - Single lane closures
    - Double lane closures
    - Primary Hatches
    - Temporary Hatches
    - Primary Hatches (Temporary & Permanent)
    - Optional Hatches (Temporary & Permanent)
- HDR advised that access to the machinery rooms is not the same for the east and west bridges and recommended bidders observe this during the site visit.
- Fire Protection Work
    - Installation of fire alarm system
    - Installation of clean agent system in new electrical and utility rooms
  - Long Lead Time Materials
    - Timely submission of shop drawings/procedures to begin procurement
      - CCTV Equipment and Layout
      - Room Layouts
      - Sub-cables
      - Control System
      - Transformers/ATS/Switchgear/MCC's
      - Motors and Drives
      - Switchboards
      - Gear Reducers
      - Traffic Gates
      - Hydraulic Cylinders/HPU/TOS Remote Panel/HMI
  - Requirements and Constraints
    - Work hours when not impacting traffic may be 24 hours
    - Operation of the bridge shall not be delayed w/o approval
      - Required to operate 24/7
    - Specific attention shall be paid to sequencing of work
      - Refer to Suggested Sequence

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**MINUTES**

- Time of Year Restrictions
- Bridge Operation
  - Temporary Operating System (TOS) used during rehab of main drive systems
  - Contractor is responsible for bridge operation and maintenance from acceptance of TOS until final bridge commissioning and startup
  - To include emergency response within 30 minutes
- Vehicular and Navigational Constraints
  - Vehicular Constraints
    - Full Shutdowns to Vehicular Traffic Shall not be allowed
    - Lane Closures (Double or Single) shall be in accordance with the Allowable Lane Closure Hours for State Highway System in Hampton Roads District and Lane Closure Coordination (LCC)
      - Non-compliance user fees may be assessed
    - Contractor is responsible for LCAMS/VAt traffic coordination
    - Lane closures will require coordination with ERC – Contractors are to participate in the weekly Thursday VDOT Hampton Roads District lane closure coordination call.
  - Navigational Constraints
    - Bridge operation as follows:
      - On-demand except from 5 AM to 7 PM M-F except Federal Holidays
        - During these times:
          - On signal at 9 AM, 11AM, 1 PM, & 2:30 PM
          - With 6 hours notice for vessels with a draft of 18+
    - Submarine cable/dredging work in accordance with USCG permit
    - Navigational deviations must be submitted a minimum of 45 days in advance
    - Penalties levied by the USCG shall be the responsibility of the Contractor
- Environmental Constraints/Permits
  - Time of Year Restrictions
    - Falcon: February 15<sup>th</sup> to July 15<sup>th</sup> w/in 600 ft. of nest
      - Exceptions reviewed
    - Atlantic Sturgeon: March 15<sup>th</sup> to June 15<sup>th</sup> & August 1<sup>st</sup> to November 15<sup>th</sup>
    - Anadromous Fish: February 15<sup>th</sup> to June 30<sup>th</sup>
  - Permits



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**MINUTES**

- Refer to Blue Card Package attached to the L39 proposal. Issued Permits include:
  - VGP-1
  - Nationwide Permit 3
- Permits allow for:
  - Rehabilitation of the Berkley Bridges
  - Identify TOYR and exceptions
  - Dredging and Installation of new submarine cable
    - Outlines requirements for as-built survey in addition to the requirements outlined in the special provisions.
- Meetings and Notifications
  - VDOT and the Prime contractor will hold meetings before and during the project including at a minimum:
    - Project kick-off meeting with VDOT
    - Pre-Construction meeting for project team
    - Planning meetings with the USCG, VMA, and River Users
      - Planning meetings are dependent on means and methods for this project.
    - All other meetings required for the completion of work.
  -
- District Traffic Engineering:
- District Environmental:
- District Structure & Bridge:
- Construction Division/Project Controls:
- Q&A – All questions submitted via CABB for official responses.
  - All questions asked during the pre-bid conference shall be submitted through CABB.
  - All questions shall be answered through CABB and with an addendum as required.
  - No questions, while on site will be answered. All questions shall be submitted through CABB.
- Q&A at the conclusion of the presentation:
  - Q: Will taking photos be allowed during the site visit?
    - A: Discuss with your group team leader during the site visit about taking photos.
- Q: Can a copy of the sign-in sheet be provided?
  - A: The sign-in sheet will be posted in ProjectWise along with the meeting minutes and PowerPoint presentation.

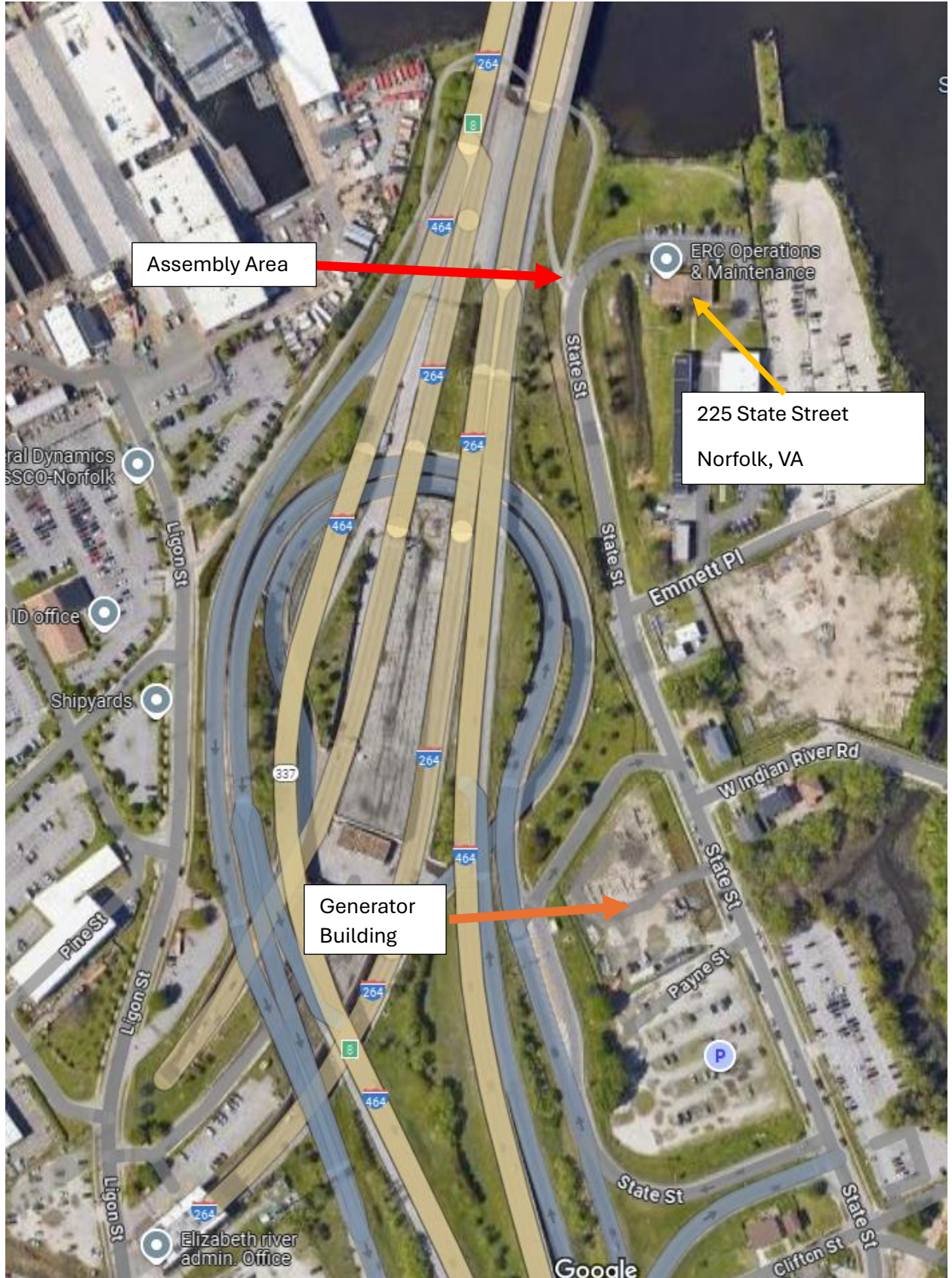
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**Mandatory Pre-Bid Conference**  
**September 10, 2024**  
**MINUTES**

- Site Visit:
  - o September 10, 2024
  - o 1:00 PM
  - o Assemble near the base of the Berkley Bridge adjacent to 225 State Street, Norfolk, VA
  - o Parking in area may be challenging due to local shipyard. Allow time to find parking. DO NOT PARK WITHIN EXISTING GENERATOR FACILITY.
  - o PPE required (hardhat, vest, eye protection).
- Closing:
  - o Copy if minutes will be posted in ProjectWise
  - o Roll call for firm attendance confirmation
  - o Conclude Pre-bid meeting

**Pre-bid Site Visit:**

- Confirmation of sign in
- Berkley Bridge Tour
  - o Electrical Room
  - o Control Room
  - o WB Machinery Platform
  - o WB Bascule pit/sub-cable room
  - o EB Machinery Platform
  - o EB Bascule pit/Location of new Electrical Room
  - o Gates – fairly typical – viewed from pedestrian walkway (outer gates, inner gates, and pedestrian gates)
  - o Existing stairs
- Berkley Generator Building Tour
- All questions to be posted in CABB
- Conclude site visit

Order L39  
UPC 121173  
State Project #: 0264-122-491, P101, C501, B660, B661  
#SS – Berkley Mechanical and Electrical System Replacement  
Mandatory Pre-Bid Conference  
September 10, 2024  
MINUTES





# **BERKLEY MECHANICAL & ELECTRICAL REHAB UPC 121173**

Mandatory Pre-Bid Meeting

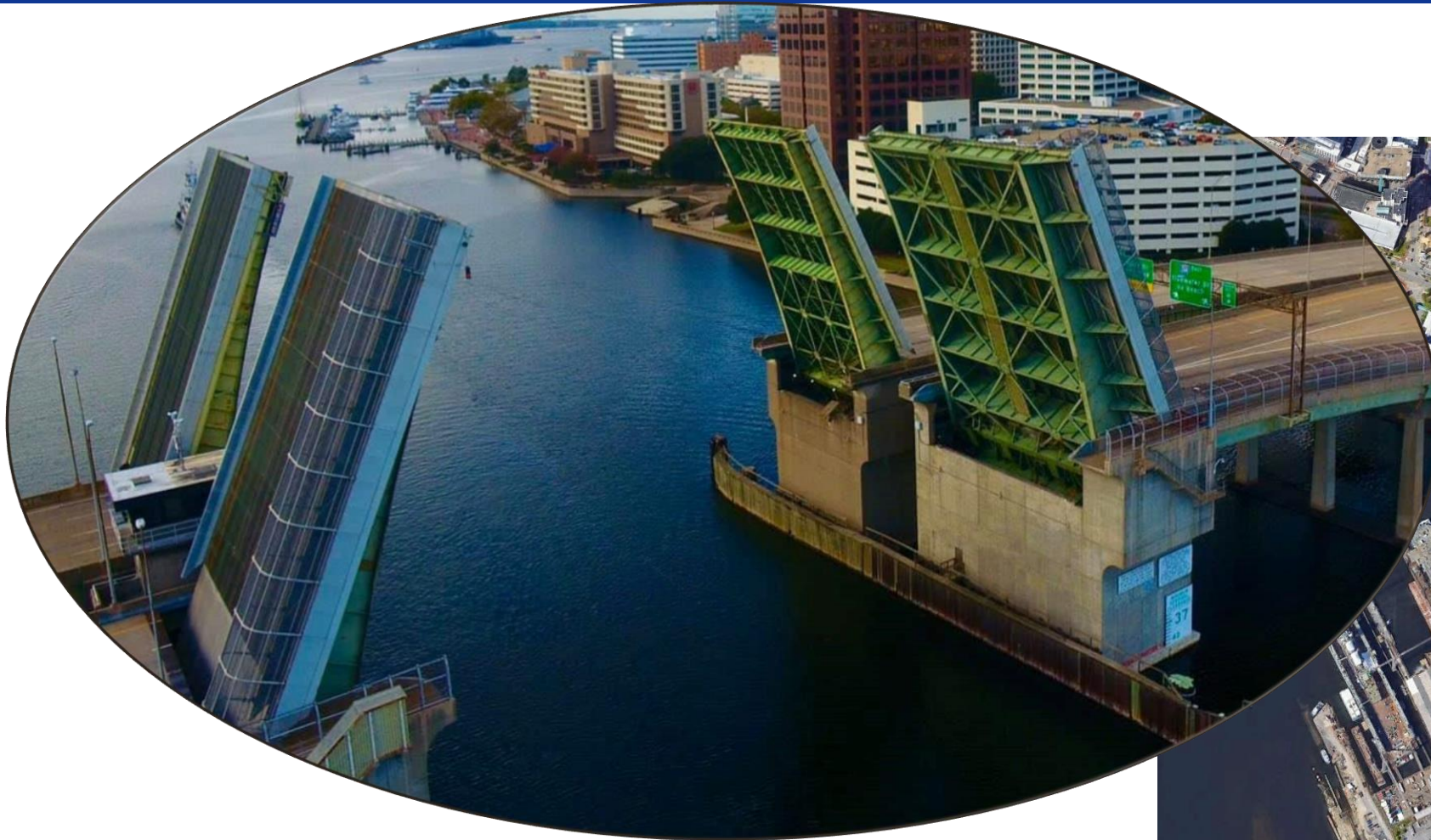
**| VDOT/HDR**

September 10, 2024

# Agenda

Topics	Facilitators	Duration
<b>Attendance</b>	Mark Grass (Hampton Roads District Special Structures Project Administrator)	5 min
<b>Welcome/Introductions/ General Comments</b>	Mark Grass	10 min
<b>Project Location &amp; Background</b>	Stephen Grabowski (EOR)	2 min
<b>Purpose, Contract Documents &amp; Scope</b>	Stephen Grabowski	20 min
<b>Requirements &amp; Constraints</b>	Stephen Grabowski	10 min
<b>General Q&amp;A</b>	Stephen Grabowski	5 min

# Project Location



# Berkley Bridges – General Background

**The original Westbound bridge opened in 1952 as part of the I-264 Downtown Tunnel complex connecting Portsmouth and Norfolk.**

**The Westbound bridge was widened, and the Eastbound bridge was built in 1991 to handle increased traffic merging I-264 with I-464.**

**The bridges consist of four rolling bascule leaves over the eastern branch of the Elizabeth river.**



# Project Purpose

**Overall the purpose of the project is to ensure the safety and reliability of this critical water crossing.**

- Westbound bridge machinery was not upgraded in previous rehab when the bridge was widened and is undersized.**
- Machinery on both bridges is not code compliant and in a condition that warrants replacement.**
- Majority of electrical equipment has exceeded its useful life and has been rated severe per the latest AASHTO inspections.**
- The existing thyristor drives are no longer supported and pose a risk to the reliability of bridge operations.**
- Project will place the bridge on its own dedicated utility feed, separate from ERC and integrate the new on-shore generators.**

# Contract Documents

## Contract Documents consist of:

- **Fully Executed L39 Proposal Documents**
  - Includes Special Provision Copied Notes (SPCN), Special Provisions, Supplemental Specifications and attachments (e.g. Blue Card Package)
- **VDOT Road and Bridge (R&B) Specifications**
- **Contract Plans**
- **VDOT R&B Standard Drawings referenced in documents above.**
- **All Memoranda of Understanding per Section 103.01 of VDOT R&B specs.**
- **Change Orders**

# Contract Documents Continued

## Predetermined Wage Rates

- Refer to L39 for Virginia DOLI Wage Rates applicable to the project

## DBE/SWaM Requirement

- Requirement = SWaM (1%), DBE (None)

## Substantial Completion: October 31, 2030

- Substantial Completion Date is based on an NTP date of April 1, 2025

# Contract Documents Continued

## Liquidated Damages/Lane User Fees/Penalties

- LD's assessed per VDOT R&B Specs Section 108.06
- Lane User Fees assessed per Special Provision *Section 108.02 – Limitations of Operations*
- Penalties levied by USCG per CFR – 33 U.S.C. 495 (b) shall be the responsibility of the Contractor

## Incentives/Disincentives

- None associated with this project

## Milestones

- Temporary Operating System, Contractor responsibility for O&M

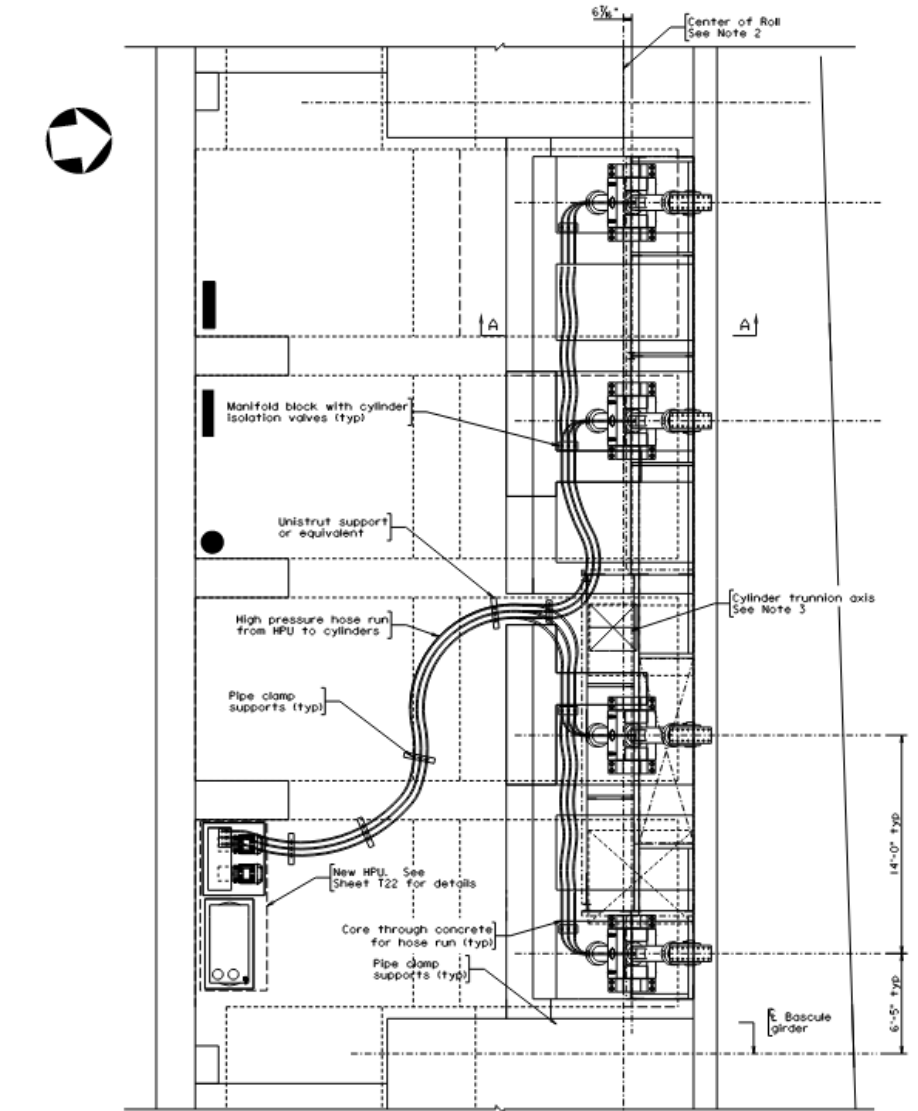
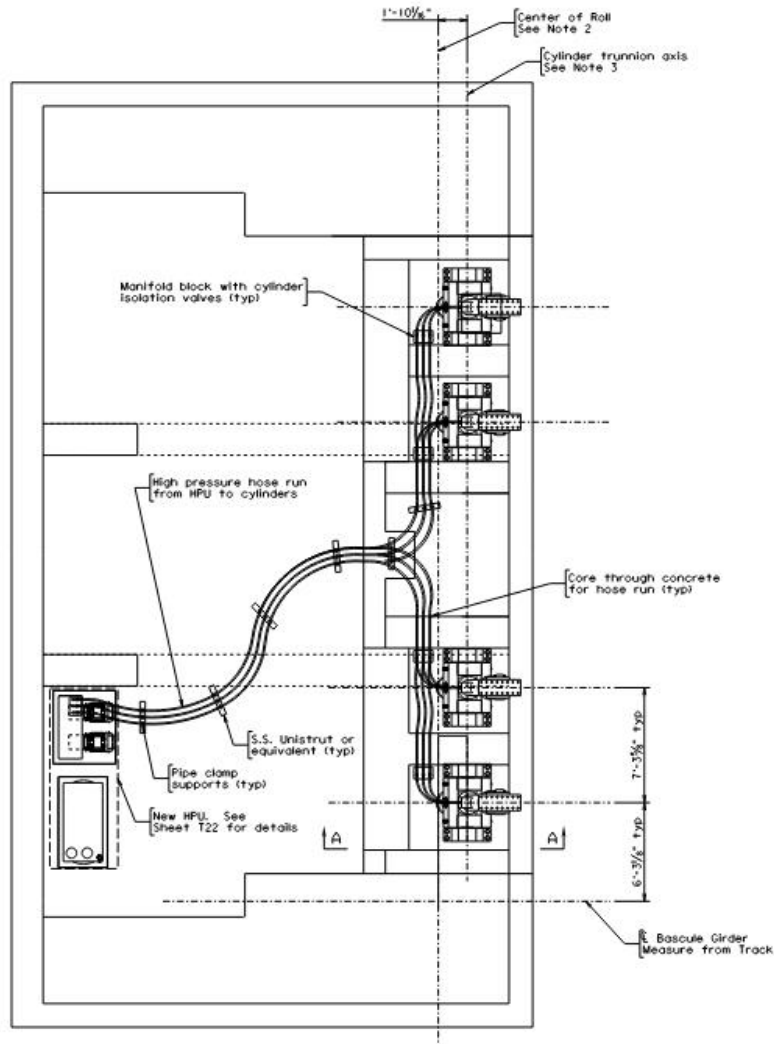
# Project Scope

## **Multidisciplinary project including but not limited to:**

- **Temporary Operating System (TOS)**
- **Mechanical Work**
- **Electrical Work**
- **Structural Work**
- **Architectural Work**
- **Civil & Erosion and Sediment Control**
- **MOT and Roadway Work**
- **Fire Protection Work**

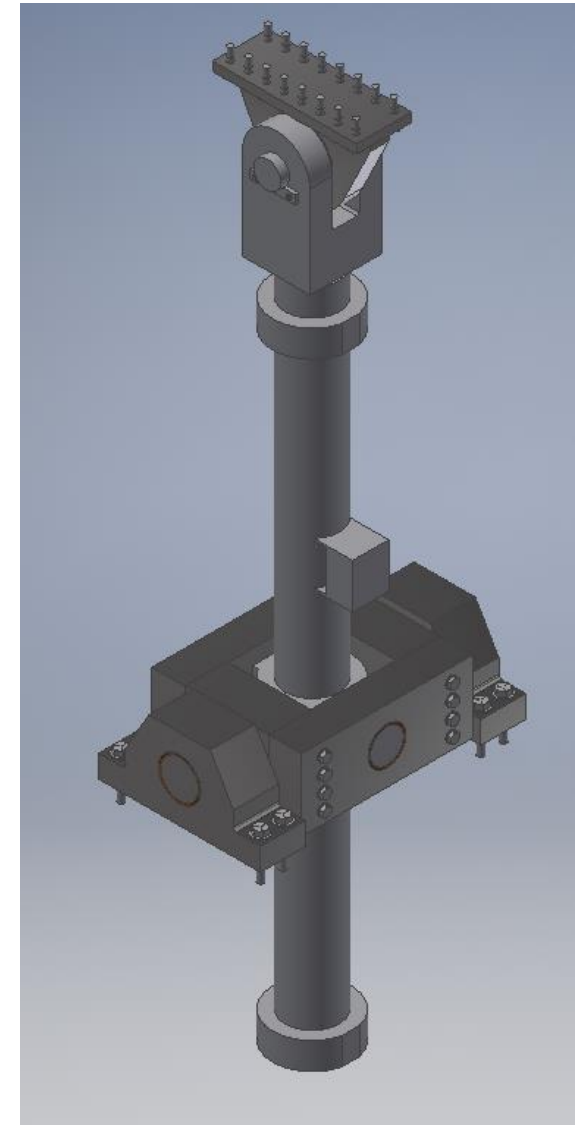
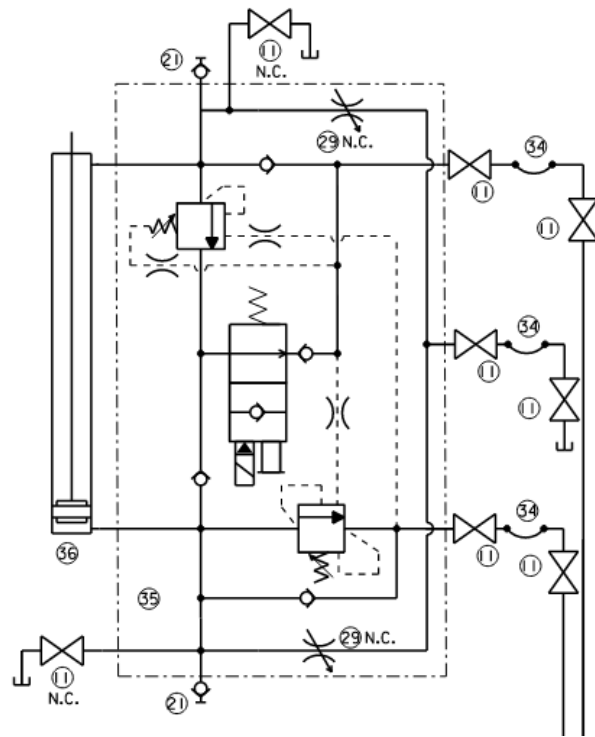
# Temporary Operating System Westbound Plan View

# Eastbound Plan View



# Temporary Operating System - Hydraulic Cylinders

- **Gimbal Mounted**
- **Regeneration on Demand Circuit**

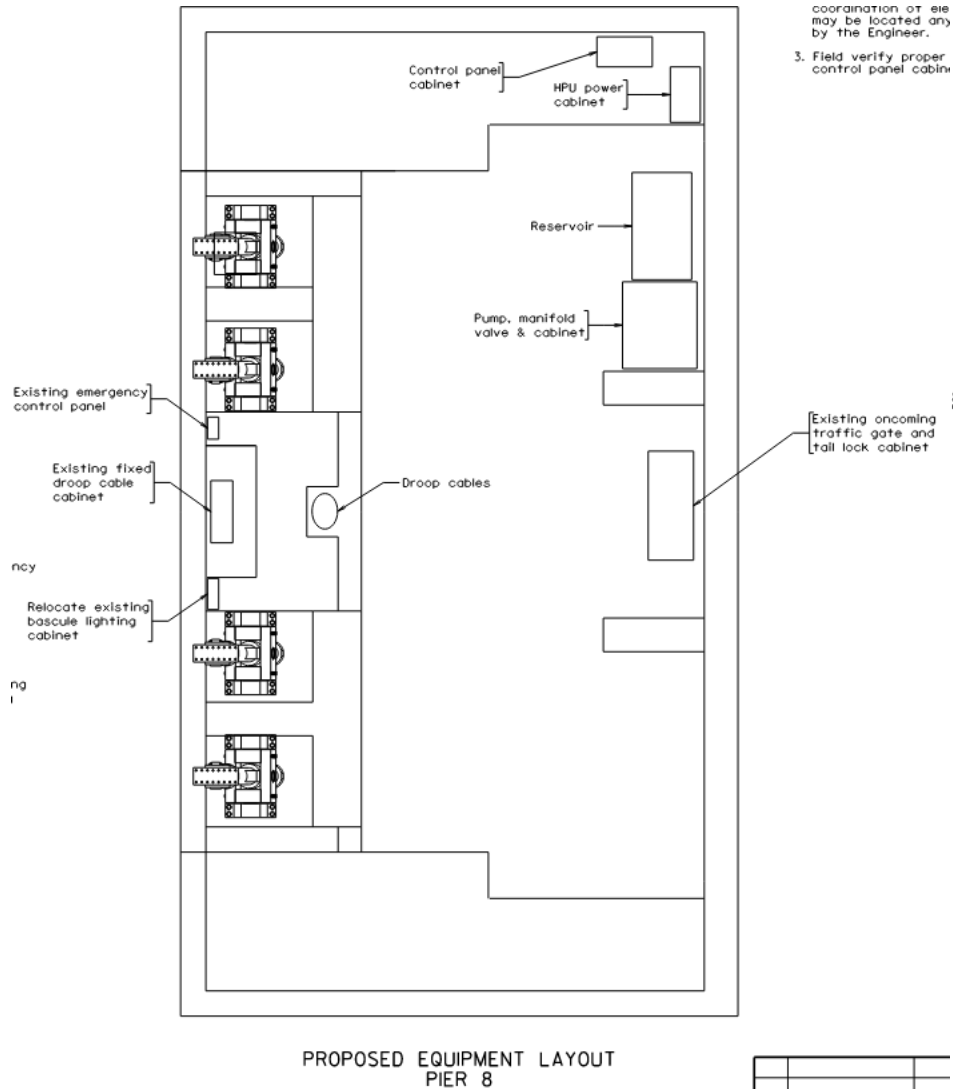


# Temporary Operating System - Hydraulic Modes of Operation

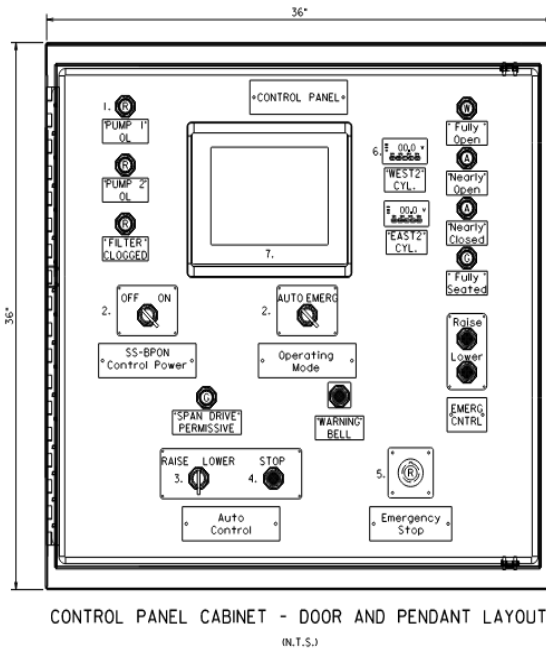
TEMPORARY OPERATING SYSTEM MODES OF OPERATION	
Mode	Description
1) Normal Operation, Span Raise	Both pumps are operating, cylinders are in regeneration mode (pressure provided to both sides of the piston), 4 cylinders are operating. Cylinders are synchronized via span stiffness.
2) Normal Operation, Span Lower	Both pumps are operating, cylinders are not in regeneration mode (pressure only provided to the rod side), 4 cylinders are operating. Cylinders are synchronized via span stiffness.
3) Normal Operation, Overload	In the event that an overload occurs, regeneration mode will be disabled for the remainder of the opening. The bridge will open at $\frac{1}{2}$ speed, but the cylinders will be capable of producing approximately double the force.
4) Emergency Operation, 3 Cylinders	The bridge may be operated without wind restrictions with 3 cylinders. Regeneration shall be disabled and the bridge will operate at $\frac{1}{2}$ speed.
5) Manual Lower	This mode of operation is used to lower the bridge in the event of a significant hydraulic failure or loss of power. The needle valves on the cylinders will be slowly opened to lower the bridge. One operator per pair of cylinders is required at a minimum.



# Temporary Operating System - Control Equipment and Modes



coordination of size may be located any by the Engineer.  
3. Field verify proper control panel cabinet

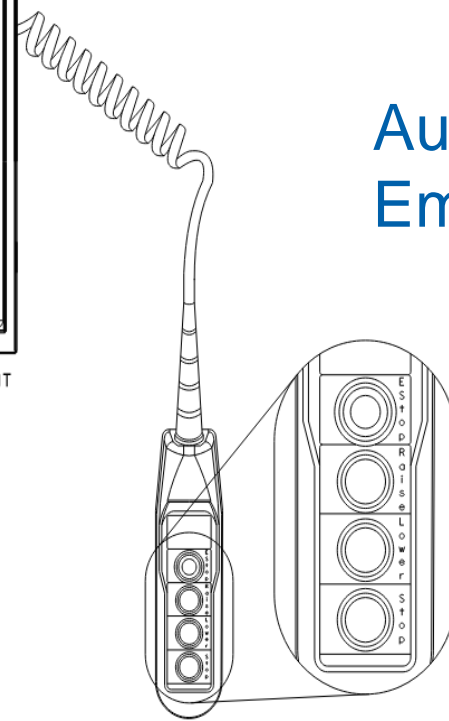


VA 264 0264-122-491.P101.C501.B660.B664 3

Notes:

1. See Special Provisions for component specifications.
2. All of the pendant pushbuttons are illuminated pushbuttons.
3. All of the pendant pushbuttons are momentary contact.

Two Modes:  
Auto (PLC)  
Emergency (PB)



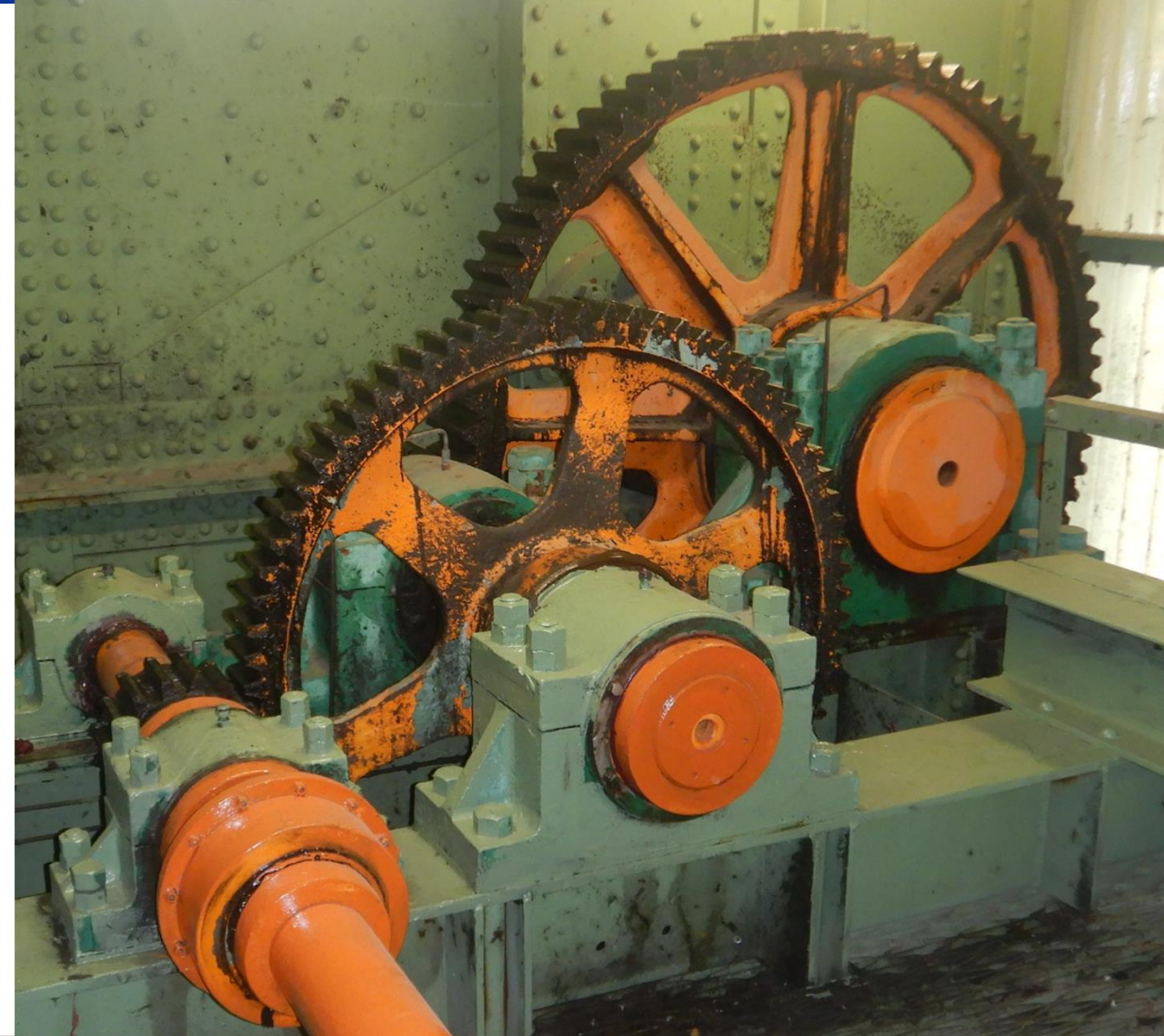
Door and Pendant Layout - Bill of Materials

Item	Quantity	Description
1	8	Pilot Lights (Push-to-Test)
2	2	2 Position Maintained Switch
3	1	3 Position Switch, Spring Retn Center
4	4	Pushbutton Switch
5	1	E-Stop PB, Red PL
6	2	Panel Meters, 4-20MA, 3 Relay Form C
7	1	HMI, Touchscreen, 10" SVGA Display
8	1	D2X Attachable Pendant Pushbutton

# Mechanical Work

## Mechanical Work Includes:

- Replacement of main drive machinery
- Replacement of aux drive machinery
- Span balancing
- HVAC systems in new rooms (utility and electrical)
- Span Balancing
  - Preliminary/Interim/Final



# Electrical Work

## Electrical Work Includes:

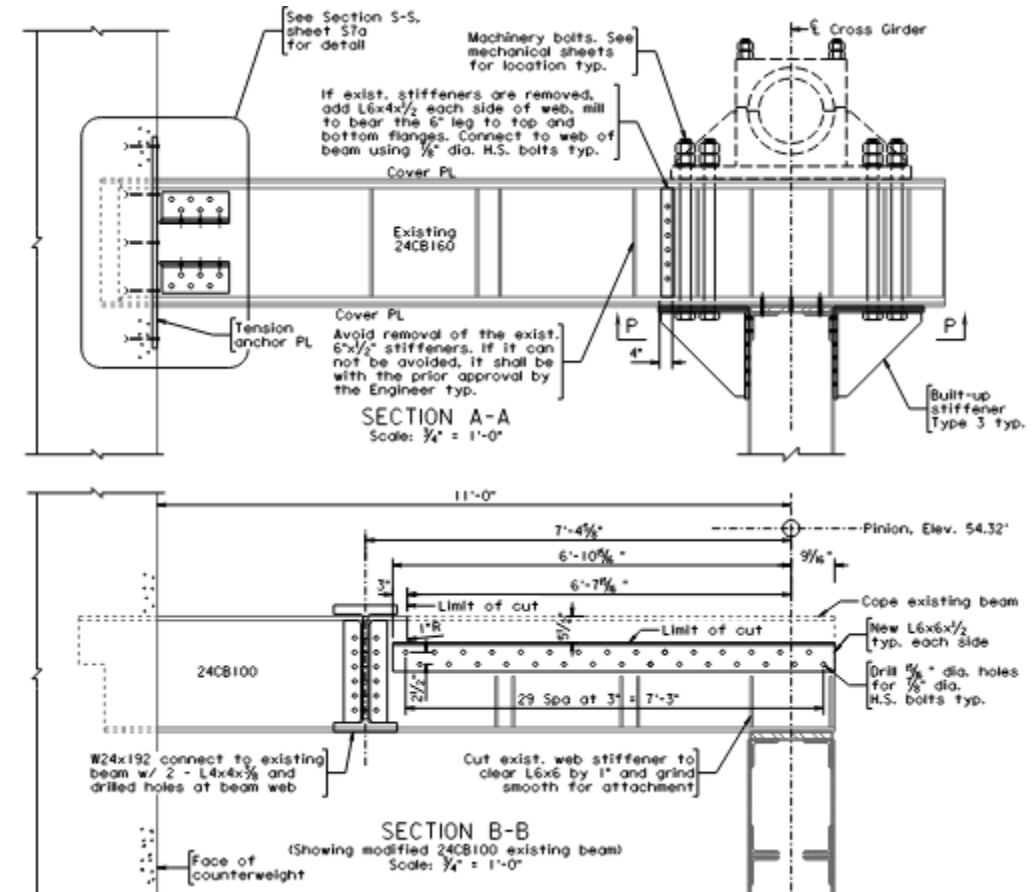
- Replacement of submarine cables
- Replacement of droop cables
- Replacement of control and drive systems
- Replacement of warning gates
- Replacement of control desk and installation of HMI
- Upgrade of CCTV system
- Installation of conduit and conductors from South abutment to new electrical room.
  - Connection of new onshore generators, electrical feed and commissioning on new bridge equipment



# Structural Work

## Structural Work Includes:

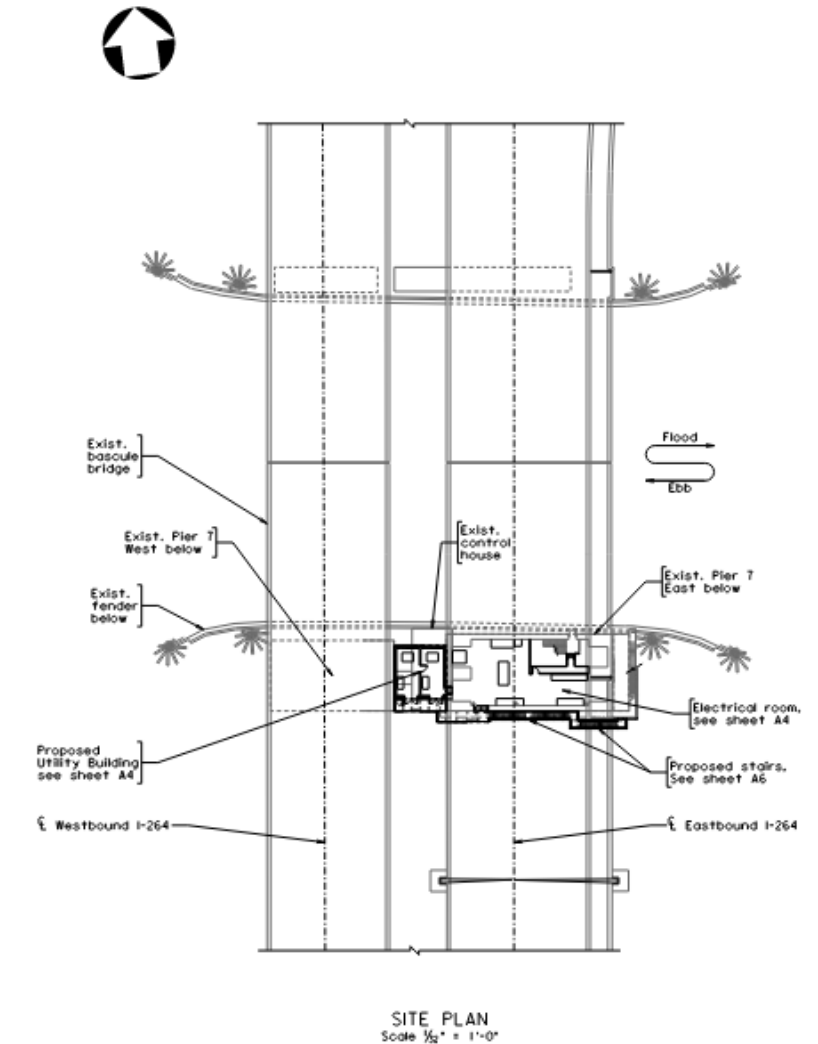
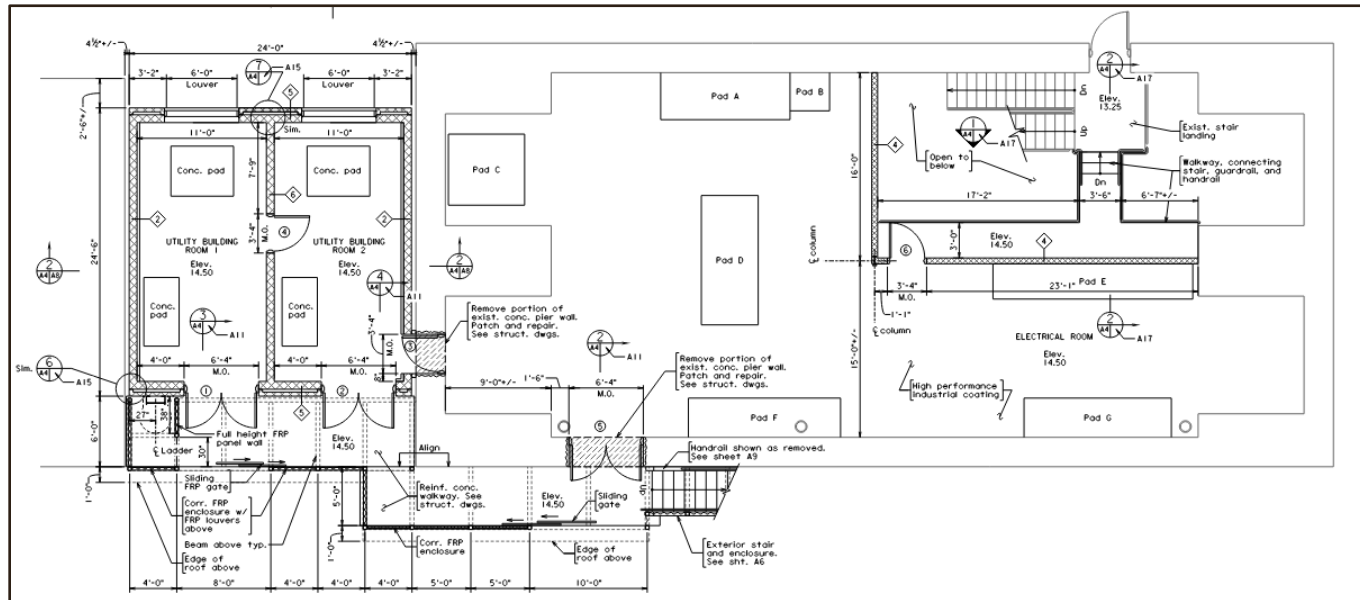
- Westbound cross girder repairs
- Warning gate platform modifications
- Roadway hatches (constructability)
- Machinery room and rack support modifications
- Stairway and access modifications
- Installation of electrical and utility rooms
- Submarine cable support and protection
- Bascule pit ladder replacements



# Architectural Work

## Architectural Work Includes:

- New electrical room
- New utility room
- New exterior stairs and enclosure



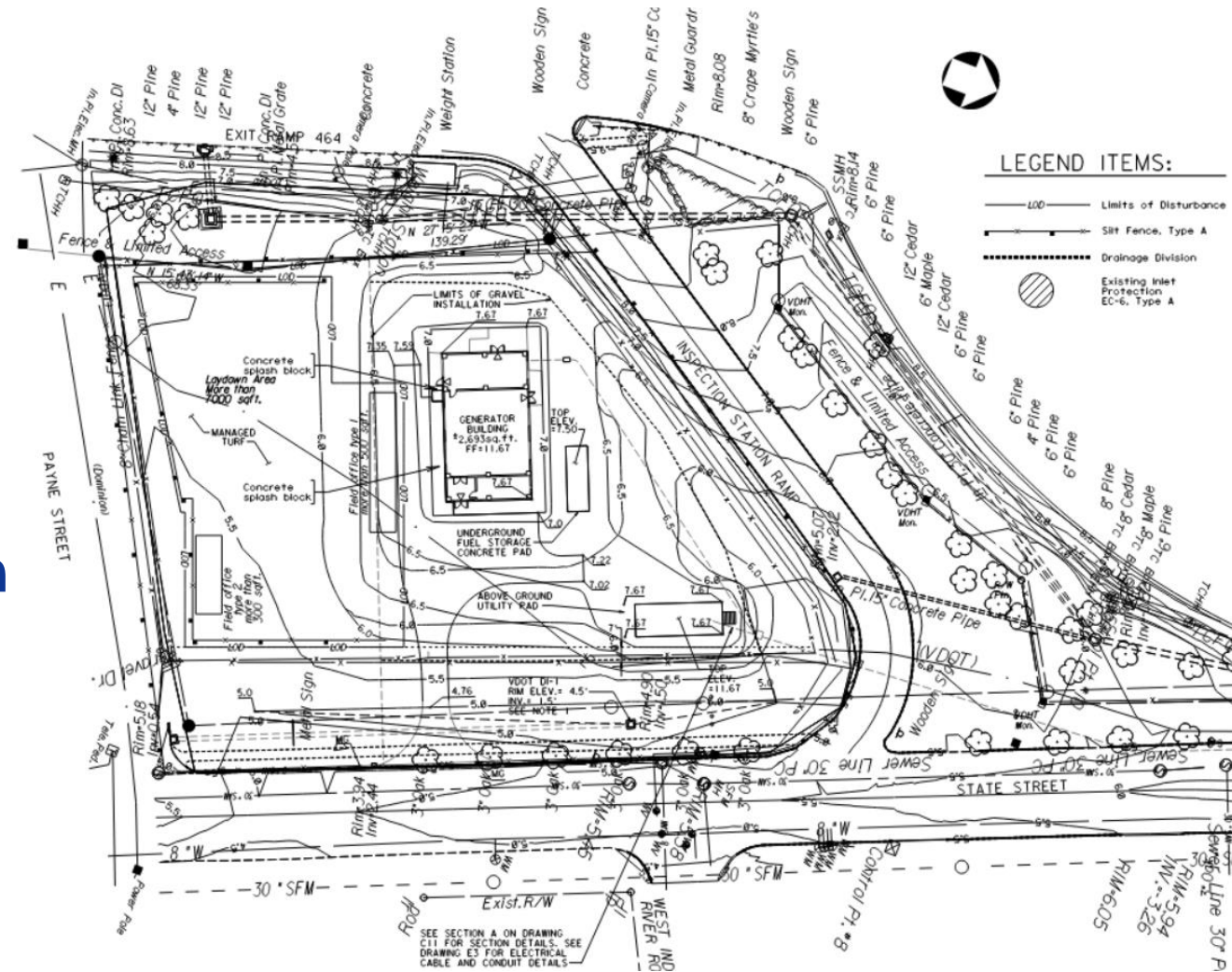
# Civil and Erosion and Sediment Control

## Civil and E&S Work Includes:

- E&S for laydown area
- A proposed laydown area is defined in the plans
- E&S for new utility conduits/conductors at South abutment
- SWPP

## Right of Way

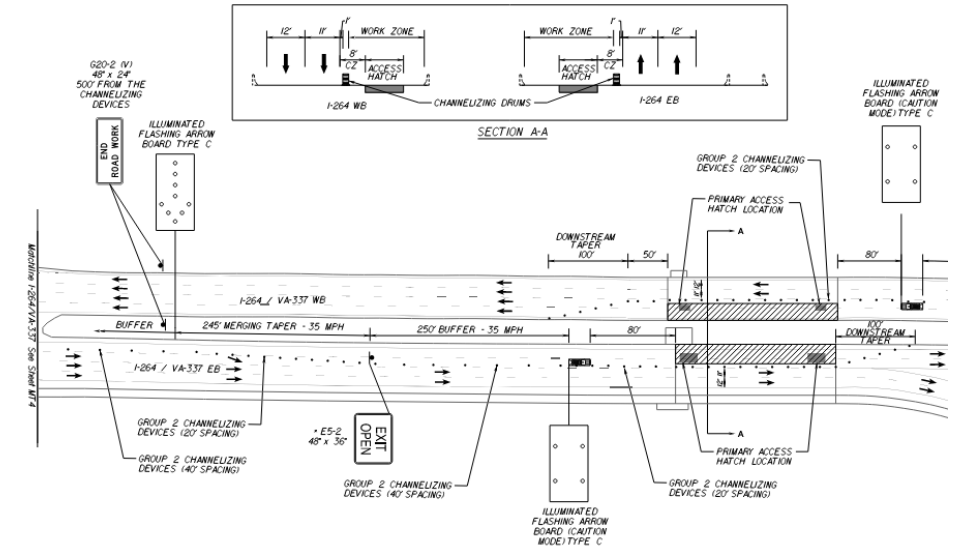
- All work is within VDOT ROW



# MOT and Roadway Work

## MOT and Roadway Work Includes:

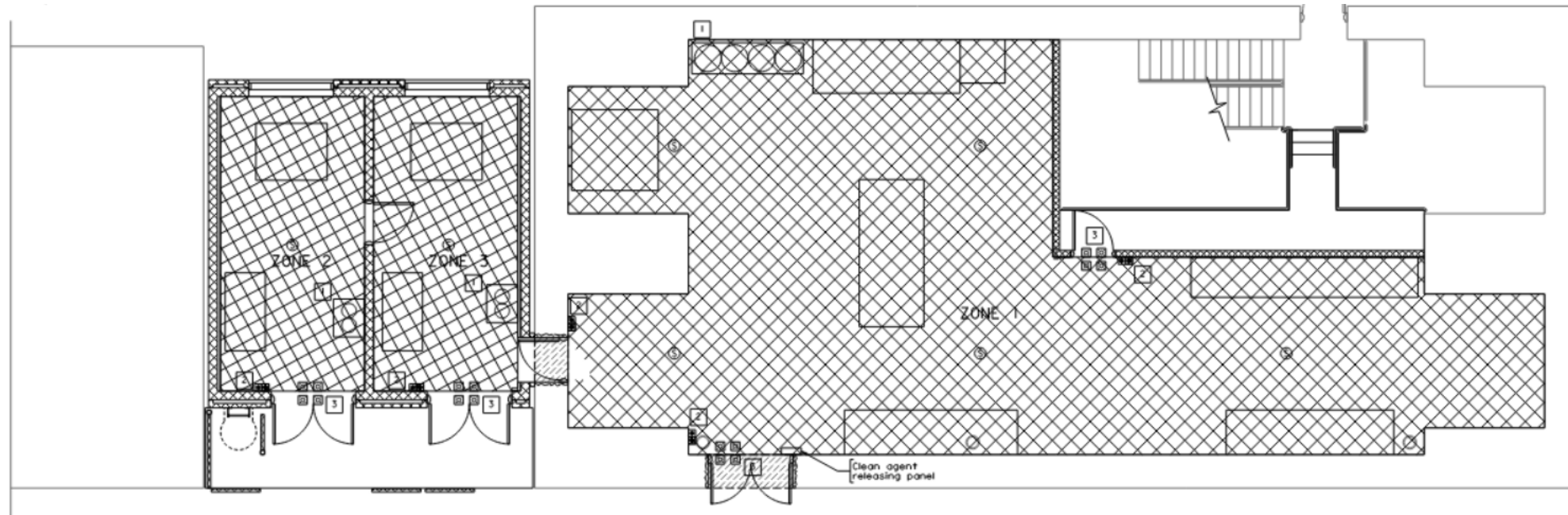
- Single lane closures
  - CCTV
  - Traffic Gates
  - Miscellaneous
- Double lane closures
  - Hatches and Repairs
  - Primary Hatches (Temporary & Permanent)
  - Optional Hatches (Temporary & Permanent)
  - Lane closures will require coordination with ERC



# Fire Protection

## Fire Protection Work Includes:

- Installation of fire alarm systems.
- Installation of clean agent system in new electrical and utility rooms.



FIRE PROTECTION UTILITY AND ELECTRICAL ROOM LAYOUT  
Scale: 1/4" = 1'-0"



# Long Lead Time Materials

## Contract requires long lead time materials

- **Timely submission of shop drawings/procedures to begin procurement**
  - **CCTV Equipment and Layout**
  - **Room Layouts**
  - **Sub-Cables**
  - **Control System**
  - **Transformers/ATS/Switchgear/  
MCC's**
  - **Motors and Drives**
  - **Switchboards**
  - **Gear Reducers**
  - **Traffic Gates**
  - **Hydraulic Cylinders/HPU/TOS  
Remote Panel/HMI**

# Requirements and Constraints

- **Work hours when not impacting traffic may be 24 hours**
- **Operation of the bridge shall not be delayed w/o approval**
  - **Required to operate 24/7**
- **Specific attention shall be paid to sequencing of work**
  - **Refer to Suggested Sequence**
- **Time of Year Restrictions**

# Requirements and Constraints Continued



- **Bridge operation**
  - **Temporary Operating System (TOS) used during rehab of main drive systems**
  - **Contractor is responsible for bridge operation and maintenance from acceptance of TOS until final bridge commissioning and startup**
  - **To include emergency response within 30 minutes**

# Vehicular and Navigational Constraints

## Vehicular Constraints

- Full Shutdowns to Vehicular Traffic Shall not be allowed
- Lane Closures (Double or Single) shall be in accordance with *Allowable Lane Closure Hours for State Highway System in Hampton Roads District* and Lane Closure Coordination (LCC)
  - Non-compliance user fees may be assessed
- Contractor is responsible for LCAMS/VA traffic coordination
- Lane closures will require coordination with ERC

# Vehicular and Navigational Constraints Continued

## Navigational Constraints

- **Bridge operation as follows:**
  - **On-demand except from 5a.m. to 7p.m. M-F except Federal Holidays.**  
**During these times:**
    - On signal at 9a.m., 11a.m., 1p.m. & 2:30p.m.
    - With 6 hours notice for vessels with a draft of 18+
- **Submarine cable/dredging work in accordance with USCG permit**
- **Navigational deviations must be submitted a minimum of 45 days in advance**
- **Penalties levied by the USCG shall be the responsibility of the Contractor**

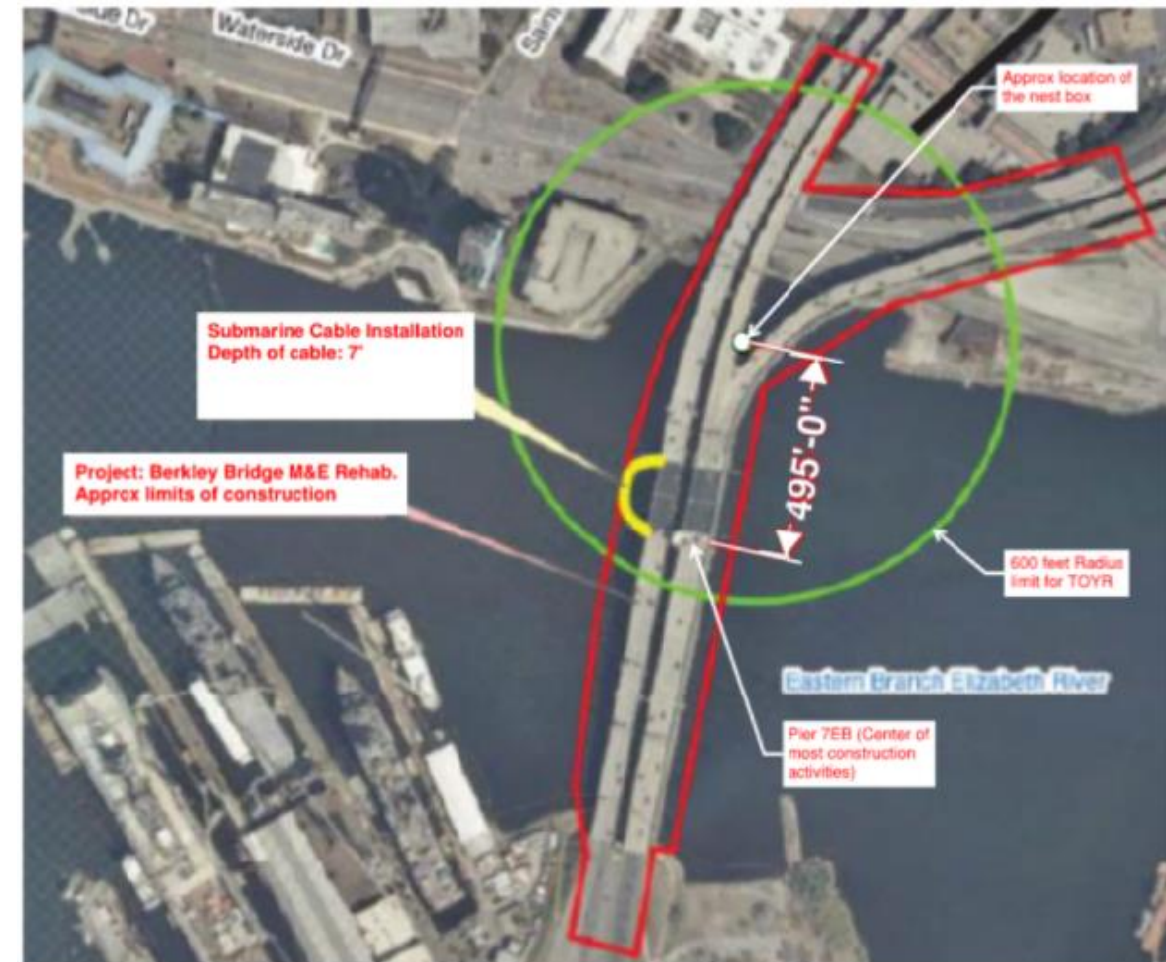
# Environmental Constraints/Permits

## Time of Year Restrictions

- **Falcon - Feb 15<sup>th</sup> to July 15<sup>th</sup> w/in 600 ft of box. Exceptions include:**

- a. Saw cutting and drilling (including core drilling) of southern bascule Pier 7 for access.
- b. Construction of Electrical and Utility Rooms between the bascule piers.
- c. Installation of exterior stairwell Pier 7.
- d. Installation of structural supports and conduits/conductors and miscellaneous related work below the south bridge approach up to the southern bascule pier.
- e. Staging barge along south bascule pier and occasionally, for short duration (a few hours) on the north side of the south bascule pier within the channel.

- **Atlantic Sturgeon – March 15<sup>th</sup> to June 15<sup>th</sup> & August 1<sup>st</sup> to Nov 15<sup>th</sup>**
- **Anadromous Fish – Feb 15<sup>th</sup> to June 30<sup>th</sup>**



Time of Year Restriction Activity Radius

# Environmental Constraints/Permits

## Permits

- Refer to the Blue Card Package attached to the L39 proposal. Issued Permits include:
  - VGP-1
  - Nationwide Permit 3
- Permits allow for:
  - Rehabilitation of the Berkley Bridges
  - Identify TOYR and exceptions
  - Dredging and Installation of new submarine cables
    - Outlines requirements for *as-built survey* in addition to the requirements outlined in the special provisions.

# Meetings & Notifications

**VDOT and the Prime contractor will hold meetings before and during the project including at a minimum:**

- **Project kick-off meeting with VDOT**
- **Pre-Construction meeting for project team**
- **Planning meetings with the USCG, VMA and River Users**
  - **Planning meetings are dependent on means and methods for this project**
- **All other meetings required for the completion of work.**



# Questions

**All questions asked during the pre-bid conference shall be submitted through CABB.**

**All questions shall be answered through CABB and with an addendum as required.**

**No questions, while on site will be answered. All questions shall be submitted through CABB.**