I-64 Hampton Roads Express Lanes (HREL) Segment 4C Volume I

VDOT

State Project No.: 0064-114-374 P101, R201, C501

Federal Project No.: NHPP-064-3(522) Contract ID Number: C00117841DB111

May 12, 2022















ATTACHMENT 4.0.1.1

I-64 HREL Segment 4C

TECHNICAL PROPOSAL CHECKLIST AND CONTENTS

Offerors shall furnish a copy of this Technical Proposal Checklist, with the page references added, with the Technical Proposal.

| Technical Proposal Component | Form (if any) | RFP Part 1 Cross Reference | Included within page limit? | Technical Proposal Page Reference |
|--|--|-------------------------------|-----------------------------|--|
| Technical Proposal Checklist and Contents | Attachment 4.0.1.1 | Section 4.0.1.1 | no | II |
| Acknowledgement of RFP, Revisions, and/or Addenda | Attachment 3.7 (Form C-78-RFP) | Sections 3.7, 4.0.1.1 | no | A-05 |
| Letter of Submittal | NA | Sections 4.1 | | 1 |
| Letter of Submittal on Offeror's letterhead | NA | Section 4.1.1 | yes | 1 |
| Identify the full legal name and address of Offeror | NA | Section 4.1.1 | yes | 1 |
| Authorized representative's original signature | NA | Section 4.1.1 | yes | 1 |
| Declaration of intent | NA | Section 4.1.2 | yes | 1 |
| 120 day declaration | NA | Section 4.1.3 | yes | 1 |
| Point of Contact information | NA | Section 4.1.4 | yes | 1 |
| Principal Officer information | NA | Section 4.1.5 | yes | 1 |
| Interim Milestone and Final Completion Date(s) | NA | Section 4.1.6 | yes | 1 |
| Any Unique Milestone dates introduced by the Offeror | NA | Section 4.1.7 | yes | 1 |
| Proposal Payment Agreement or Waiver of Proposal Payment | Attachment 9.3.1 or 9.3.2 | Section 4.1.8 | no | A-06 |
| Certification Regarding Debarment Forms | Attachment 11.8.6(a) Attachment 11.8.6(b) | Section 4.1.9 | no | A-010 |
| Commitment to achieving six (6%) DBE goal | NA | Section 4.1.10 | no | 1 |
| Confirmation on commercial and professional registration | NA | Section 4.1.11 | no | 1 |

ATTACHMENT 4.0.1.1

I-64 HREL Segment 4C

TECHNICAL PROPOSAL CHECKLIST AND CONTENTS

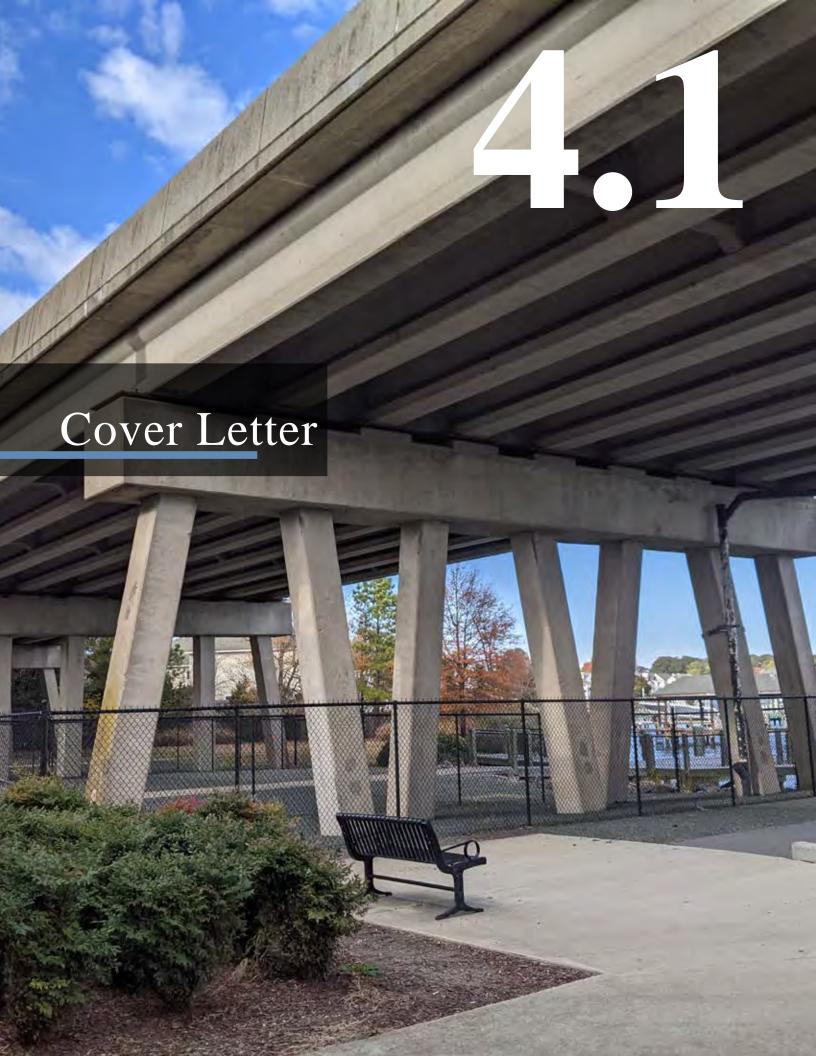
| Technical Proposal Component | Form (if any) | RFP Part 1 Cross Reference | Included within page limit? | Technical Proposal Page Reference |
|---|---------------|-------------------------------|-----------------------------------|--|
| requirements | | | | |
| Offeror's Qualifications | NA | Section 4.2 | | 2 |
| Confirmation that the information provided in the SOQ submittal remains true and accurate or indicates that any requested changes were previously approved by VDOT | NA | Section 4.2.1 | yes | 2 |
| Organizational chart with any updates since the SOQ submittal clearly identifying the changes | NA | Section 4.2.1 | yes | 3 |
| Organizational chart shall identify the names of the individuals selected for the positions of Deputy Key Personnel (if applicable), Environmental Compliance Manager and Contractor Incident Management Coordinator. | NA | Section 4.2.1 | yes | 3 |
| Revised narrative when organizational chart includes updates since the SOQ submittal | NA | Section 4.2.1 | yes | 2 |
| Design Concept | NA | Section 4.3 | | 5 |
| Conceptual Roadway Plans and description | NA | Section 4.3.1.1 | yes | 7 |
| Conceptual Structural Plans and description | NA | Section 4.3.1.2 | yes | 12 |
| Project Approach | NA | Section 4.4 | | 20 |
| Environmental Management | NA | Section 4.4.1 | yes | 21 |

ATTACHMENT 4.0.1.1

I-64 HREL Segment 4C

TECHNICAL PROPOSAL CHECKLIST AND CONTENTS

| Technical Proposal Component | Form (if any) | RFP Part 1 Cross Reference | Included within page limit? | Technical Proposal Page Reference |
|---|---------------|-------------------------------|-----------------------------|--|
| Utilities | NA | Section 4.4.2 | yes | 24 |
| Geotechnical | NA | Section 4.4.3 | yes | 29 |
| Quality Assurance/ Quality Control (QA/QC) | NA | Section 4.4.4 | yes | 32 |
| Construction of Project | NA | Section 4.5 | | 35 |
| Sequence of Construction | NA | Section 4.5.1 | yes | 35 |
| 11" x 17" graphics demonstrating proposed Sequence of Construction. | NA | Section 4.5.1 | yes | 75-80 |
| Transportation Management Plan | NA | Section 4.5.2 | yes | 45 |
| 11" x 17" graphics demonstrating proposed MOT for each phase of Sequence of Construction. | NA | Section 4.5.1 | yes | 75-79 |
| Proposal Schedule | NA | Section 4.6 | | S-1 |
| Proposal Schedule | NA | Section 4.6 | no | S-23 |
| Proposal Schedule Narrative | NA | Section 4.6 | no | S-1 |
| Proposal Schedule in electronic format | NA | Section 4.6 | no | Separate file |







Alternative Project Delivery Division Virginia Department of Transportation (VDOT) 1401 E. Broad Street, Annex Building, 5th Floor Richmond, Virginia 23219 Attention: Suril R. Shah, P.E. DBIA (APD Division)

Dear Suril Shah,

Wagman - Fay SE, a Joint Venture (The JV), is pleased to submit our Technical Proposal for Phase 2 of the I-64 Hampton Roads Express Lanes (HREL) Segment 4C Design-Build (DB) project. In accordance with the Letter of Submittal requirements for section 4.1, we offer the following additional information for review:

- **4.1.1** Legal Name and Address Wagman Fay SE, a Joint Venture, with an address of 3290 North Susquehanna Trail, York, PA 17406, is defined as the legal entity who will execute the contract.
- **4.1.2** Offeror's intent It is the intent of the Wagman Fay SE, a Joint Venture, if selected, to enter into a contract with VDOT for the project in accordance with the terms of this RFP.
- **4.1.3** Validity of Offer Wagman Fay SE, a Joint Venture, declares that the offer represented by the Technical and Price Proposals will remain in full force and effect for one hundred twenty (120) days after the date the Price Proposal is actually submitted to VDOT ("Price Proposal Submission Date").
- **4.1.4** Authorized Representative/Point of Contact Glen Mays, DBIA, Design-Build Project Manager 26000 Simpson Road, North Dinwiddie, VA 23803 P. 804.631.0000 | F. 804.733.6281 Email: gkmays@wagman.com

4.1.5 Principal Officer of the Offeror **Greg Andricos, P.E., President & COO** 3290 North Susquehanna Trail, York, PA 17406 P. 717.767.8292 | F. 717.767.5546 Email: gmandricos@wagman.com

- **4.1.6** Interim Milestone and Final Completion Wagman Fay SE, a Joint Venture, commit to an interim milestone date of 06/10/2026. Additionally, the JV proposes a final completion date of 12/10/2026.
- **4.1.7** Unique Milestone Dates Wagman Fay SE, a Joint Venture proposes to remove all temporary river impacts(trestle, barges, cranes) by February 28, 2026 providing benefit to all Federal, State, Local and Recreational Stakeholders.
- **4.1.8** Executed Proposal Payment Agreement The Wagman-Fay, SE, a Joint Venture team has included an executed Proposal Payment Agreement which can be found on page A-06.
- **4.1.9** Debarment Forms Debarment forms are included on page A-010 as required in the RFP.
- **4.1.10** Commitment to DBE Participation Wagman Fay SE, a Joint Venture, is committed to achieving a six percent (6%) DBE participation goal for the entire value of the contract.
- **4.1.11** Team Registration Requirements Statement Wagman Fay SE, a Joint Venture, confirms that all commercial and professional registration requirements set forth in the offeror's statement of qualifications, including, but not limited to those requirements of the Virginia State Corporation Commission (SCC) and the Virginia Department of Professional and Occupational Regulations (DPOR) are complete and accurate and that the JV, and business entities on our team, remain in good standing with all applicable regulatory bodies and are eligible to provide the services required of the Project.

The JV has a successful history serving Virginians on numerous projects. As a single, integrated DB Team, we will design and construct this project and ensure the greatest opportunity for success, including the potential for an expedited delivery. Thank you for the opportunity to submit our Statement of Qualifications.

Respectfully,

Wagman - Fay SE, a Joint Venture

Glen Mays, DBIA, - Design-Build Project Manager







4.2 Offeror's Qualifications

4.2.1 Confirmation of True and Accurate Information

The offeror confirms the information in the SOQ remains true and accurate with the following exceptions.

In reference to Part 1 - Section 11.4 of the RFP documents, Wagman-Fay-EXP Design Build Team (DBT) confirms that the Key Personnel have not changed since the submission of the Statement of Qualification (SOQ) on June 29, 2021. However, the organization chart and narrative have been updated to identify the following new key positions as required per Part 1 – Section 4.2.1 of the RFP documents. As a clarification, the DBT had already anticipated and included these two (non-Key Personnel) positions with the SOQ submittal. The following includes the summary of personnel changes as approved by VDOT on May 4, 2022:

Environmental Compliance Manager (ECM; Non-Key Personnel at the Time of SOQ Submission) Ian Westbrook (Wagman Heavy Civil, Inc., voluntary termination of employment) | Proposing Julia Conners (WSSI, Inc) as Key Personnel per Part 2 – Section 2.4.9.2: As ECM, Julia will actively participate in development of the project-specific Environmental Management Plan (EMP). She will be responsible for proper implementation of the EMP, including conformance of the construction means, methods and associated activities with all the applicable environmental requirements, projectspecific environmental permit conditions, and all other applicable contractual commitments and requirements such as the environmental commitment requirements and applicable Road and Bridge Specifications.

Contractor Incident Management Coordinator (CIMC; Non-Key Personnel at the Time of SOQ) **Submission**) | Proposing Danny Plott (WF) as the replacement for George Polizos (Polizos and Company Communications) as Key Personnel per Part 2 – Section 2.4.9.2: As CIMC, Danny will actively participate in development of the projectspecific Incident Management Plan (IMP) and will be responsible for implementation of it. As the main Point-of-Contact, Danny will be on site for the duration of the construction and will respond to all incidents within the project limit. Danny is familiar with and has significant experiences with application of National Incident Management System (NIMS) principles and practices to projects with similar characteristics and complexities.

Additionally, we have modified the organizational structure of the following individuals in non-Key Personnel roles:

Hydrologic & Hydraulic/ River Mechanics | Beth Wangaard, P.E. (EXP U.S. Services, Inc., voluntary termination of employment) | Replaced by Brian Olson, PE (EXP U.S. Services, Inc.) with over 12 years of relevant experience.

Railroads Engineering/ Coordination | Nate Morriss, P.E., S.E. (EXP U.S. Services, Inc., voluntary termination of employment) | Replaced by John Flint, PE (EXP U.S. Services, Inc.) with over 41 years of relevant experience.

Demolition Expert | Les Carpenter (WF, voluntary termination of employment) | Replaced by Clint Filges (WF) with over 25 years of relevant experience.

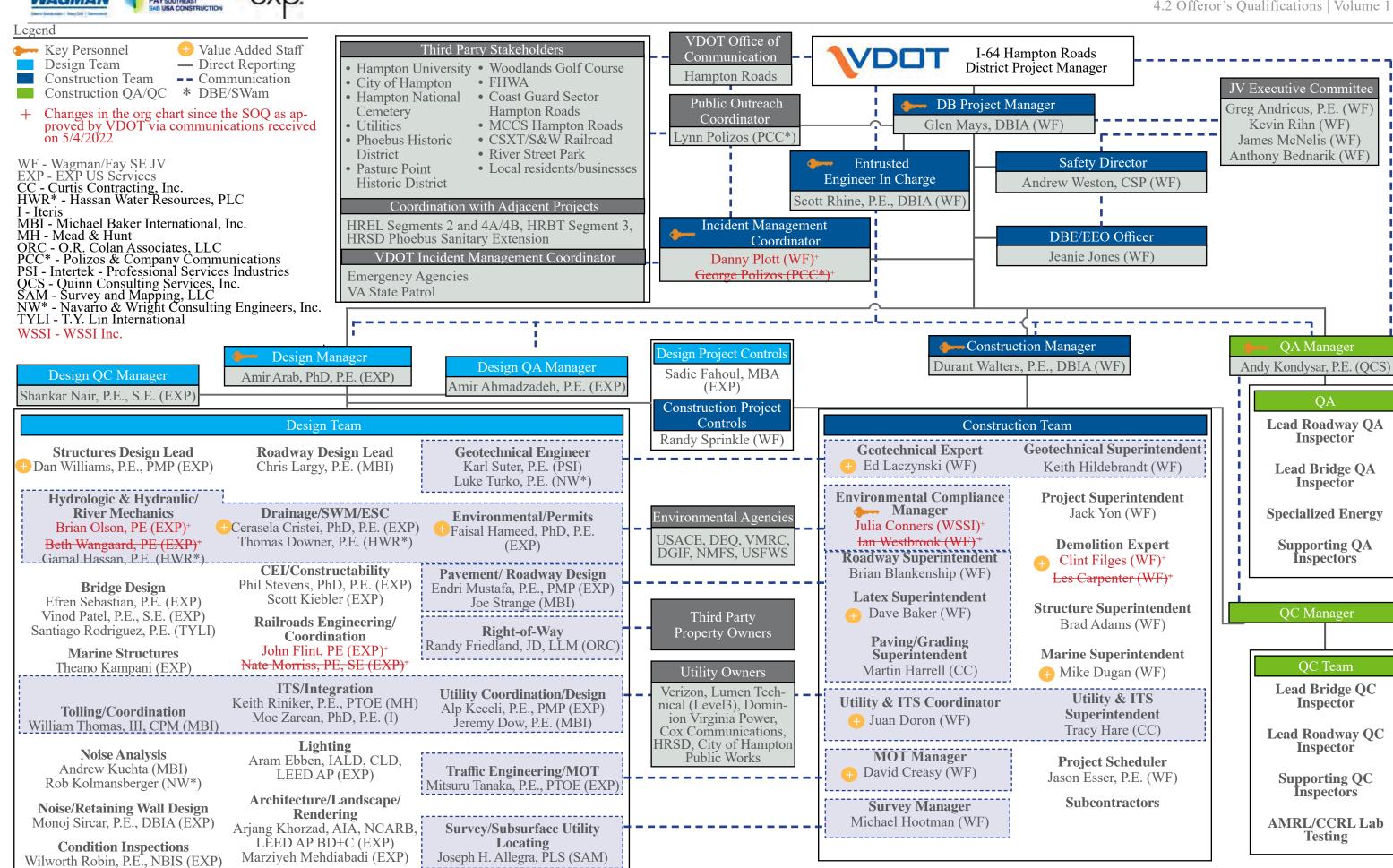
In addition to the personnel changes above, The DBT has added Wetland Studies and Solutions, Inc. (WSSI) to the Team after the submission of the SOQ. This organizational change has been approved by VDOT per the letter of Conflict of Interest Determination dated May 4, 2022. Section 4.8 Appendix II includes the pertinent approval email and letter.

4.2.2 Organizational Chart and Revised Narrative

As previously mentioned, The DBT had already included the ECM and CIMC positions in the organizational structure as part of SOQ submittal. As such, the chain-of-command and the functional relationships among the positions as described in our SOQ narrative remains unchanged, true, and accurate. With the introduction of the two new key positions (ECM and CIMC), we have further enhanced the following communication lines given the roles and responsibilities of CIMC as follows:

 CIMC reports directly to DB Project Manager and has direct lines of communication to the Public Outreach Coordinator, VDOT Incident Management Coordinator, Emergency Agencies and Virginia State Police.

Provided on the following page is our revised SOQ Organization Chart with red-line markups of the proposed changes previously approved in writing by VDOT.











4.3 Design Concept

One of the most important factors influencing the success of Design-Build (DB) projects is the degree to which the selected team can work together to efficiently deliver high-quality design and construction. Our design team lead, EXP, is fully integrated with construction partners, Wagman and Fay SE, in this design-build joint venture (DBT). This alignment of interests positions us to deliver management and production resources to design and construct the Project, as the success of the DBT is tied to delivering the project on time and on budget. The DBT will advance the current design level into a final design that meets or exceeds the design standards for the I-64 HREL project, including the requirements of the RFP and addenda. Our goals align with the project priorities: reducing cost, enhancing the design concept, full constructability, design quality assurance, and a project approach that limits risks to VDOT, the public and all stakeholders.

This section demonstrates how our team structure and procedures will deliver an efficient and enhanced design aligned with our project priorities.

The DBT has evaluated the preliminary plans and information provided in the RFP documents and has developed a design concept that will benefit the end users in terms of safety, operations, schedule, construction, public acceptance and long-term sustainability. In addition to demonstrating compliance with the RFP, we will improve and enhance the RFP Conceptual Plans.

The DBT has experience in working on multiple DB projects. We have worked together throughout the proposal phase as an integrated design and construction team to classify, calculate and cultivate design solutions that offer VDOT the most value for the project. This I-64 HREL project will benefit from the DBT's collective experience and the existing relationships within our team both as companies and individuals. Moreover, the DBT will require no learning curve throughout any phase of the project as we are an established, well-functioning team.

With regards to VDOT's \$60M fast-track Route 7 Battlefield DB Project "Wagman's well-planned, orchestrated and coordinated effort and their customer-service approach led to the early completion of the project... and within budget."

Sanjeev Suri, P.E. | VDOT NOVA District

Design Approach

Our design approach mitigates risks to the traveling public and stakeholders. In accordance with best practices for DB project delivery we developed an initial risk register using VDOT's Risk Management Worksheet to identify and address risks and challenges early, when they can most easily be avoided or mitigated. This risk register will be updated, monitored, and reviewed with VDOT throughout the project. We have performed

preliminary constructability, environmental, and safety reviews on the design developed to date which will reduce impacts to all stakeholders, and reduced impacts. We have carefully considered the means and methods, resources and management approach applicable to this project. The DBT's engineering and construction tools, coupled with our wealth of DB experience and innovative approach will deliver a quality project on schedule and within budget.

Design coordination among the team members is essential and our Design Manager, Amir Arab, PhD, PE, with his hands-on leadership, will ensure that this is carried out effortlessly. He will rely upon EXP's design best practices to deliver a quality and on time design. Amir has extensive knowledge and experience on bridge structures and will be supported by all the discipline leads.

Our design approach including all design elements:

- Meets or exceeds all requirements as listed in the Design Criteria included in the RFP Documents.
- Have been carefully coordinated and optimized in order to enhance overall project safety and further minimize maintenance efforts and costs.
- Limits construction final built conditions wholly within the right of way limits as shown on the RFP Conceptual Plans with the exception of the temporary construction and utility easements as necessary.
- Does not require Design Exceptions and/or Design Waivers unless they are already identified or included in the RFP, Addendums or Approved ATC No. 1.
- The DBT design improves the horizontal geometry of the roadway near EB Hampton River Bridge, which may require revisiting the design exception No. 7.

In the successful delivery of DB projects of similar scope and complexities, the DBT has developed and refined numerous administrative and management best practices that will be employed in the delivery of this project including:

- Efficient and streamlined scope validation process
- Discipline-specific task forces that regularly meet for the purposes of coordination, design quality assurance and quality control, cross-disciplinary coordination and timely resolution of VDOT and Stakeholder comments
- Design services and support during construction including collaboration with Entrusted Engineer In-Charge (EIC), discipline leads, and Quality Assurance Manager (QAM) to track and address RFIs, NDCs, FDCs, NCRs, and deficiencies
- Formal partnering to establish and maintain open and honest communication among all team members including timely resolution of issues at the lowest level

Volumes I and II include specific details related to our additional enhancements to our design concept, project approach and construction. Several of these design enhancements are summarized in Table 4.3.1.







| Table 4.3.1 Conceptual Roadway Plans and Description Enhancements | | | | | | | | |
|---|---|---|---|---|---|---|----------|---|
| | Safety For The Traveling Public, Construction Operations And The Environment | | | | | | | |
| | Operations And Coordination With Adjacent Projects | | | | | | | |
| Danasta e | Schedule | | | | | | | |
| Benefits & Enhancements | Constructability With Focus On Constrained Work Zones In An Urban And Marine Environment | | | | | | | |
| | Outreach, Stakeholders and Public Acceptance | | | | | | | |
| | Future Inspection, Maintenance And Asset Performance | | | | | | | |
| | Cost | | | | | | | |
| | Our design includes improvements to the existing geometric deficiencies including: 1) lengthening of the crest vertical curves at the overpasses resulting in improvements in the Stopping Sight Distance, and 2) matching the vertical alignment of the ramps with the revised vertical profile, and 3) correcting the ramp alignment and gore areas at Mallory St. | | ✓ | ✓ | ✓ | | ✓ | ✓ |
| Deed | The DBT has established a new (raised) vertical alignment for B-673 I-64 EBL providing additional 3 in of vertical clearance. | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Roadway | Horizontal alignment of B-673 I-64 EBL has been shifted towards the existing B-674 I-64 WB Bridge, resulting in: 1) increasing the radii of the connecting curved approach alignment and thus, improved superelevation and sight distance and 2) increasing the clearance between the proposed B-673 I-64 EBL Bridge and the Dominion power lines from the RFP requirement of 32'-11" (min.) to over 60 ft. | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Optimizing alignment of EBL and WBL Bridges increases continuous open space by 3,500 SF available along River Park. | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Through advance pavement analysis and design during the RFP phase, the DBT has already identified several locations throughout the corridor where pavement reconstruction has proven to be more feasible than overlay. | | ✓ | ✓ | ✓ | | ✓ | ✓ |
| | During the RFP phase, the DBT has already developed a preliminary geotechnical investigation plan that includes any gaps in available data and areas that have a CBR below 9 and/or do not meet the other suitable material requirements. | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ |
| Pavement | During the RFP phase, the DBT has already performed a preliminary analysis for a design life of 30 years to validate VDOT provided pavement structure for areas of widening/new construction accounting for the existing site conditions. | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ |
| | During the RFP phase, the DBT already completed a thorough analysis to determine the structural adequacy of the existing shoulders for limited use during MOT phasing and the improvement/strengthening solutions based on the existing site conditions and the DBT constructability reviews. | ✓ | ✓ | | ✓ | ✓ | ✓ | |
| | During the RFP phase, the DBT has already developed preliminary details with logistical applications for positive subgrade drainage. | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ |
| | The DBT has developed a drainage and SWM systems that discharges to the existing major outfalls, resulting in ZERO SWM ponds. Furthermore, our design considers future effects of climate and coastal changes . | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| SWM | Our proposed drainage and SWM systems have minimal environmental impacts and require low future maintenance. | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2 1/1/1 | Our proposed design eliminates the need for trench drains or other devices outside VDOT typical standards, reducing concerns with functionality, maintenance, and long term performance. | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Our proposed design efficiently combines open and closed drainage systems. | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Context Sensitive | DBT has analyzed the corridor view shed and developed preliminary 3D renderings and visualizations and a schematic landscaping plan in the River Park area. | | | ✓ | ✓ | ✓ | ✓ | |
| Solutions | Clear soundwall panels will be used on the bridges over the Hampton River and other noise barrier walls will be aesthetic including the FISH pattern. | | ✓ | ✓ | | | | |
| ITS | DBT has accounted for the use of Cellular Communications as needed and to ensure no interruption to the existing communications during construction. | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ |
| 115 | Our proposed design utilizes the existing Segment 1 infrastructure which optimizes future asset management for Lighting, Signing & Marking and ITS components where feasible | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ |







4.3.1 Conceptual Roadway Plans and **Description**

4.3.1.1 Conceptual Roadway Plans

Provided below is an overall description of the characteristics and proposed design concept for the roadway, pavement, stormwater management and drainage, retaining and noise barrier walls, and ITS as well as the design enhancements compared to the RFP Design. Please refer to Volume II for the proposed roadway plans and exhibits.

4.3.1.2 Roadway Design Approach and **Enhancements**

The DBT will adhere to all design requirements identified in the Technical Requirements Section 2.2 "Mainline and Other Roadway Improvements" and the major design criteria summarized in Attachment 2.2 "Roadway Inventory and Major Design Criteria".

The DBT also acknowledges the design exceptions and waivers identified in the Technical Requirements • Section 2.1.3 "Design Exceptions and Design Waivers". As directed in the Technical Requirements the DBT assumes that the waivers and exceptions identified in the RFP will be approved by FHWA and VDOT.

Vertical Alignment Optimization (Enhancement 1) Horizontal Alignment Optimization to Correct

In general, the mainline vertical alignment follows the existing alignment for both Eastbound (EB) and Westbound (WB) directions, including the overpasses which are in crest vertical curves with sags in between the overpasses.

The main controlling factor during the optimization and development of the mainline vertical alignments was the parameters for the overlay. Within the Technical Requirements Sections 2.6.1 "Pavement Requirements", both the EB and WB lanes are to receive a minimum of 1.5" of overlay; this parameter was used while optimizing the profile. Adhering to this requirement dictated the following:

- The proposed grade be above the existing grade by a minimum of 1.5" at all overlay locations
- Because of the need to match the existing bridges, the superelevation of the existing cross section is corrected
- The design profile for both the EB and WB alignments are raised slightly.

Raising the profile outside of the existing overpass bridges has allowed for lengthening of the crest vertical curves at the overpasses resulting in an approved Stopping Sight Distance at these locations. Several sag vertical curve lengths are reduced to reduce the amount of pavement overlay while remaining in compliance with the project Design

The vertical alignments of the ramps are also revised to match the revised vertical profile. Given the existing site constraints, we have taken advantage of many opportunities to optimize the roadway geometry including the ramp profiles. As such, the

relationship between the mainline and all ramps and gore areas has been enhanced in comparison to the RFP design improving functionality and safety.

Vertical Alignment Optimization of B-673 I-64 EBL over Hampton River (Enhancement 2)

Our comprehensive and iterative design process which included cross-disciplinary coordination, the DBT has optimized the vertical alignment for the referenced structure resulting in significant enhancements as listed below:

- By optimizing the EB vertical profile we are providing an additional (3in) of vertical clearance over River Street.
- Improved the vertical clearance over the Hampton River Branches including the navigational channel in comparison to the existing conditions.
- Optimize the EB vertical alignment reducing the height of substructure elements originally proposed by the RFP concept.
- The optimization of the referenced segment of the EB vertical alignment allows the use of embankment supported roadway between the Hampton River Branches and therefore less linear footage of bridge relative to the RFP Design with taller piers.

Existing Deficiencies (Enhancement 3)

We evaluated the project's horizontal alignments for compliance with standards. Through this review process there were several deficiencies identified. However, these deficiencies will be corrected through design and are described below:

- A deficiency in the westbound alignment was identified at the series of reverse curves that begins at WB Sta.1779+87.47. This deficiency was remedied by eliminating the reverse curves coming from the back tangent, adjusting the ahead tangent bearing and adding a compound curve near the WB Mallory on-ramp at approximate Sta. 1784+00.
- Relative to this mainline deficiency, the offset to the Mallory WB On-Ramp alignment was further assessed and the tie in for this ramp has been corrected.
- The offsets from the mainline to the ramp alignments were evaluated and the ramp alignments have been corrected to achieve the standard offsets.
- The ramp alignments and gores throughout the project have been optimized by our proposed design.

Horizontal Alignment Optimization of B-673 I-64 EBL over Hampton River (Enhancement 4)

Through a comprehensive and iterative design and constructability analyses which included crossdisciplinary coordination including the Construction Leads, the DBT has developed an optimized horizontal alignment by partially shifting the I-64 EB Bridge horizontal alignment towards the existing







B-674 I-64 WB Bridge. The resulting enhancements are summarized as follows:

Shifting the EB alignment towards the existing B-674 I-64 WB Bridge allowed the DBT to increase the radii of the connecting curved approach alignment and improve the superelevation and the sight distance from the existing condition.

Shifting the EB Bridge and roadway alignment towards the existing B-674 I-64 WB Bridge results in significantly increased clearances between the proposed B-673 I-64 EBL Bridge and the Dominion Power lines from the RFP minimum requirement of 32'-11" to 60 ft minimum.

The proposed horizontal alignment meets the RFP clearance requirement of 12 ft between the B-673 I-64 EBL Bridge and B-674 I-64 WB Bridge over

Hampton River.

Eliminated nine (9) piers and 400 ft of bridge

spans on B-673 I-64 EBL Bridge.

The DBT has restations the proposed baseline as 4C tie to Seg 1/HRBT @ Sta. 785+76.76 Start WB fix at 1779+87.47 match HRBT @ 1786+42.86

4.3.1.3 Pavement Design Approach and **Enhancements**

During the RFP phase, the DBT performed advance analysis and pavement design and assessment as integrated part of the alternative analyses, constructability reviews, cost and schedule projections and risk management and mitigation. The following includes a pertinent summary:

Balance of Pavement Reconstruction vs. Overlay (Enhancement 5)

During the RFP phase, the DBT evaluated the existing conditions including the irregularities in the existing pavement cross slope versus the requirement to adhere to the superelevation parameters, and the need to maintain the minimum overlay depth. The DBT has additionally identified the need for relatively thick overlay areas throughout the project and carefully established the limits of full pavement replacement vs. overlay. As a result, the DBT has further designated several locations throughout the corridor where pavement reconstruction has proven to be more feasible than overlay. This is a considerable enhancement to the project improving the service life and reducing future maintenance efforts and cost.

Mitigation of the Unsuitable Materials (Enhancement 6)

A high strength subgrade is paramount to building a long-lasting pavement structure. The DBT will analyze all data to provide a strong subgrade,

meeting RFP Requirements, which will also be used as a stable platform for the construction of the subsequent pavement layers. The DBT has reviewed the preliminary geotechnical investigation results provided in the KFP, including the additional data from previous projects within the project limits. The CBR data from the preliminary investigation shows values above the minimum requirement of 9 as stated in the Technical Requirements. **Based on our** extensive review of all existing data at this stage, soils at the pavement subgrade elevation do not include high plasticity or organic soils. Additionally, the highest swell percentage of 1.2% was below the 5% requirement. The primary driver to classifying soils as unsuitable would be low CBR values, soft, and/or overly moist soils.

There are some data points (four with a CBR closer to 6 and one just below at 8.8) that do not meet the requirement and we anticipate that there will be some isolated areas that will require treatment to increase the subgrade CBR to a minimum value of 9. We have follows: Start EB shift/restation at 714+82.02, end created a preliminary geotechnical investigation plan to fill in any gaps in data and verify the subgrade CBR throughout the project in order to locate and improve all areas that have a CBR below 9 and/or do not meet the other suitable material requirements as outlined in the RFP, such as more than 5% organic material, exhibiting more than 5% swell, CH, MH, OH, and OL per USCS, and other requirements in RFP technical requirements section 2.6.4.

> The DBT will follow the RFP requirements and VDOT MOI Chapter 3 for all areas where unsuitable materials are encountered. These areas will be treated by excavating and replacing unsuitable materials in the top 3 feet (and 2 feet beyond the outside edge of shoulders) below the subgrade or if accepted by VDOT Materials Engineer via chemical stabilization of the top 12" of the subgrade as outlined in VDOT MOI Chapter 3 Section 309.04.

In addition to CBR values along the corridor, the DBT also investigated the distribution of the near surface subgrade soil SPT N60-values in the 1st and 2nd SPT intervals along the alignment since they are an index of strength and field behavior under traffic.

A mathematical relationship (published by TRB, Issue 1219, in 1989) was used to correlate the SPT N-value and in-situ CBR to have a better understanding of any areas that may have soft soils. Using the CBR results, SPT N-values, and all other unsuitable material parameters per the TR, our team has identified all areas that potentially require subgrade improvement and evaluated remediation efforts such a remove and replace, scarify and recompact, and/or cement stabilization.







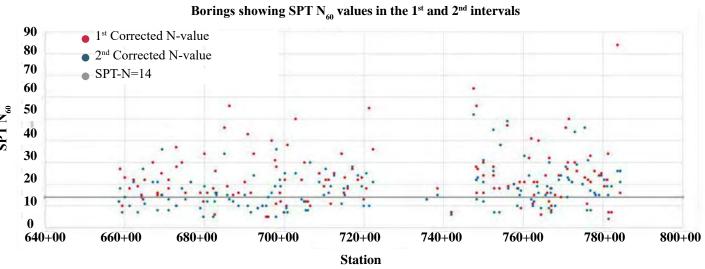


Figure 4.3.1.2.1: Borings showing SPT N_{60} Values

Widening Sections (Enhancement 7)

The DBT has performed a preliminary analysis for a design life of 30 years to validate VDOT provided pavement structure for areas of widening/ new construction. The design was performed following VDOT MEPDG User Manual and using AASHTOWare Pavement ME version 2.2.6. Following the preliminary findings, the target distresses were met using VDOT prescribed pavement structure. During final design, an updated design will be performed to validate VDOT prescribed recommendations, and a final pavement design report will be provided following all RFP, TR, and VDOT MOI Chapters 3 and 6 requirements. The DBT has already performed this thorough analysis in order to enhance the MOT stages and durations, construction schedule projections, work zone and public safety.

Temporary Shoulders Rehabilitation (Enhancement 8)

During the RFP phase, the DBT already performed a thorough analysis to determine the structural adequacy of the existing shoulders for use during MOT phasing. All available geotechnical investigation information was used during this preliminary analysis that was performed per AASHTO '93, VDOT MOI chapter 6, and TR parameters. A temporary pavement design was also evaluated. Preliminary findings showed shoulder strengthening is needed in areas that will be used for MOT in order to perform per VDOT requirements and this is included in our proposal.

Besides safety and schedule improvements, the temporary rehabilitation of the shoulders will be a value-added service life enhancement at the final built condition.

Subgrade Drainage (Enhancement 9)

One critical item when designing pavement structures involves proper drainage considerations. It is critical that there are no wet areas (blocked water) within

the pavement structure that can cause detrimental premature failures of pavements. The DBT has successfully implemented positive subgrade drainage for highway widenings with similar complexities, such as VDOT's Transform 66 outside the Beltway DB project. As such underdrains (VDOT Standard UD-4s) will be placed along widened areas of I-64 and the subgrade of these widened sections will be sloped so that the drainage layer will drain towards the UD-4s. Additionally, the DBT will follow all other requirements as specified in the TR section for underdrains.

All pavement designs, underdrains, subgrade materials, and pavement layer materials will follow VDOT Road and Bridge Standards, VDOT specifications, and VDOT Drainage Manual.

The above preliminary assessment and design targets will lead to improved safety, schedule, cost, constructability, service life improvements, enhanced future operations and lower maintenance efforts and costs.

4.3.1.4 Drainage Design Approach and Enhancements

The DBT has developed a preliminarily design for the new drainage system in compliance with the local jurisdiction, VDOT Drainage Manual, and Virginia Stormwater Management Program.

The proposed design is based on a model-based approach to our drainage design methods, allowing an analysis of all requisite 24-hour storm events and varying outfall conditions by evaluating the hydraulic grade line throughout the duration of a storm event. Drainage areas will be delineated, and sewer system capacities have been preliminarily evaluated to confirm adequacy during the temporary and final development condition. The proposed storm drainage system is an efficient balance of open and (mainly) closed systems that will integrate the existing drainage system and ensure that adequate conveyance capacity is provided with our design.







The Roadway Drainage, Stormwater Management and Water Quality, Erosion and Sediment Control, Culvert Design, and Complex 2D Hydrodynamic Coastal Modeling and Scour Analysis is based on the applicable governing standards, procedures, and applicable software listed below:

 Pooled Fund Study, Tidal Hydraulic Modeling for Bridges (Development of Hydraulic Computer Models to Analyze Tidal and Coastal Stream Hydraulic Conditions at Highway Structures), Ayers Associates, 2002, technical supervision provided by FHWA

DitchSoftVA | InletSoftVA | PipeSoftVA

- Stormwater Management Model, EPA SWMM 5.1 (PCSWMM)
- Hydraulic Tool Box 5.1.4, August 2021 (FHWA)

SWMSoft VA computer programCulvertSoftVA computer program

• HEC-RAS 6.1 computer program (USACE)

- FHWA publications; HD\$-6, HD\$-7, HEC-11, HEC-17, HEC-18, HEC-20, HEC-23, HEC-25
- Surface Water Modeling System (SMS) 13.1, FHWA

Drainage, Stormwater Management (SWM) & Water Quality (BMP) Approach (Enhancement 10)

The DBT's approach for the SWM and BMP design is constrained within the allowable project right of way, and satisfies all project roadway drainage and stormwater management requirements.

Our drainage specialist team has integrated the drainage and SWM systems to discharge to the existing major outfalls, which has resulted in the need for ZERO stormwater management ponds.

The DBT has developed a design that utilizes multiple innovative drainage and SWM practices to ensure compliance with the Part IIC criteria and MS-19 requirements throughout the project such as:

• The DBT has delineated the project-wide stormwater management areas and performed the project-wide water quality requirements calculations which confirmed the RFP requirement and VDOT Credit Purchase of 20.91 lbs/yr. Furthermore, the proposed SWM design will not require purchase of additional Nutrient Credit.

• The DBT confirmed that the grandfather conditions for the stormwater management and water quality calculations applies to this project and has utilized the grandfather condition to design the project-wide stormwater management in compliance with VDOT and DEQ requirements.

• For water quantity compliance, the DBT proposes utilizing combinations of runoff attenuation and offsets of runoff peak discharges, through dynamic drainage systems modeling utilizing PCSWMM (EPA) software.

• To achieve project-wide compliance for the drainage, SWM and BMP requirements, the DBT will utilize the following practical solutions:

Apply the 1% rule where possible and when

discharging the project's runoff to existing outfalls/streams.

 Utilize, as applicable, grass swales, water quality grass swales, level spreaders, and treatment trains throughout the project in accordance with DEQ and VDOT regulations and approval.

 Use phased stormwater management during construction based on MOT and construction sequences and through the use of temporary erosion and sediment control measures such as sediment traps/basins and check dams.

 Comply with the project specific Stormwater Pollution Prevention Plan (SWPPP).

Utilize the available Right of Way (R/W) associated with the project to design any SWM/BMP facilities and/or introduce runoff attenuation treatment train.

The proposed design has significant enhancements during the construction and at the final-built condition such as no SWM ponds, less environmental impacts, and lower future maintenance efforts and cost. The DBT has successfully utilized similar SWM and BMP approaches/designs in the Hampton Roads District on projects such as the Wythe Creek Road Improvements (Route 172, UPCs 13427 & 97715), which also resulted in the need for ZERO SWM ponds and/or facilities.

Erosion and Sediment Control (ESC) (Enhancement 11)

The DBT has developed a preliminary environmental Management Plan (EMP) including the E&S Control Provisions that will be finalized and implemented by the project Environmental Compliance Manager (ECM), Julia Conners, supported by VADEQ certified SWM and Erosion & Sediment Control (ESC) Plan Reviewers with significant past experience in projects with similar scope and complexities. The DBT's approach is to segregate the construction site's runoff from adjacent facilities which is vital to effective erosion and sediment control during construction. This best practice was successfully employed by the DBT on the MDOT sHA MD 404 Dualization DB project which achieved over \$200,000 of environmental incentives. The DBT will incorporate phased ESC for the proposed roadway project design, in concurrence with the proposed phased construction and MOT. Sediment traps/ basins will be designed and applied as necessary during the different construction phases. Local measures such as insulated turbidity curtains, ditch check dams, temporary seeding, rock construction entrances, silt fences, and drop inlet protection will be integrated into the phased ESC, as applicable.

Julia will integrate the construction team into the design process and performs regular over-the-shoulder workshops and trainings, and performs inspections to ensure the E&S controls are functioning as designed, including regular C-107 inspections. The DBT anticipates at least a two-phase E&S control plan to be required; other phases may







be needed to accommodate segmented construction phasing. A Phase I and II E&S Control Plan will be developed and provided to VDOT for their review and approval. The Plans will contain all sediment on-site in accordance with our E&S plans. The E&S Control Plan will consist of the following: silt fencing and super silt fencing throughout the project as appropriate; sediment traps as required; rock check dams for steep graded slopes; check dams prior to entering existing channels; inlet protection; outlet protection; and turbidity curtain for the work in the River as appropriate. Where possible, clean water bypasses will also be utilized as part of the plan. The E&S Plan will include measures to stabilize and revegetate.

Bay Bridge Tunnel, VA - Station ID: 8638863), and utilize FHWA's Pooled Fund Study, Tidal Hydraulic Modeling for Bridges, to calculate the combined 100, 200, and 500-year storm surge hydrographs for application in the 2D hydrodyn models. Furthermore, the DBT has preliminarily assessed the applicable sea level rise at the project location for the year 2021 and updated the 100, 200, and 500-year storm surge hydrographs for use in the Post- Construction (proposed) condition hydrodynamic model. The DBT will use the 200-year output data from the Proposed Condition hydrodynamic model to calculate scour depth and the Post-Construction (proposed) condition hydrodynamic model to calculate scour depth and Hydraulic Modeling for Bridges, to calculate the combined 100, 200, and 500-year storm surge hydrographs for application in the 2D hydrodyn models. Furthermore, the DBT was assessed the applicable sea level rise at the project and turbidity curtain for the work in the Post-Construction (proposed) condition hydrodynamic model to calculate scour depth and the Post-Construction (proposed) condition for the year 2021 and updated the 100, 200, and 500-year storm surge hydrographs for application in the 2D hydrodyn models. Furthermore, the DBT was assessed the applicable sea level rise at the project and the pr

Erosion and Sediment Control (ECS) (Enhancement 12)

The project is located in FEMA Flood Zones AE and VE, which indicates inner-coastal and tidal influenced (FIRM # 5155270026H) flood stages. The DBT has obtained copies of FEMA's effective hydrodynamic models which will be used as the basis for the Hampton River bridge project and proposed I-64 improvements. Additionally, the DBT will merge recent field survey and bathometry data to develop and calibrate the 2D hydrodynamic model for the existing conditions utilizing FEMA and VDOT approved software such as HEC-RAS 6.1 or TUFLOW 2D. The DBT has started and will finalize compilation of the tidal and Nor'Easter storms' data from NOAA Tidal Stations (Chesapeake

Bay Bridge Tunnel, VA - Station ID: 8638863), and utilize FHWA's Pooled Fund Study, Tidal Hydraulic Modeling for Bridges, to calculate the combined 100, 200, and 500-year storm surge hydrographs for application in the 2D hydrodynamic models. Furthermore, the DBT has preliminarily assessed the applicable sea level rise at the project 200, and 500- year storm surge hydrographs for use in the Post- Construction (proposed) conditions hydrodynamic model. The DBT will use the 200 and 500-year output data from the Proposed Conditions hydrodynamic model to calculate scour depth at the proposed substructure units, in accordance with HEC-18 and HEC-25 (FHWA) scour depth calculation procedures. The DBT will utilize VDOT Drainage Manual, HEC-20, HEC-23, and HEC-11 (FHWA) to design appropriate scour countermeasures at the proposed abutments and roadway embankments. The proposed design of the piers substructure and foundation stability is based on the preliminary scour depths. Finally, the DBT will complete the hydraulic report detailing the hydrologic and hydraulic analyses and procedures, scour depth calculations, floodplain analysis and flood stages, comparison tables ensuring zero backwater impact, and all HEC-RAS 6.1 or TUFLOW 2D hydrodynamic models. HWR will complete the LD 293 and LD 294 forms showing details of the hydrologic, hydraulic analysis, and scour depth calculation.

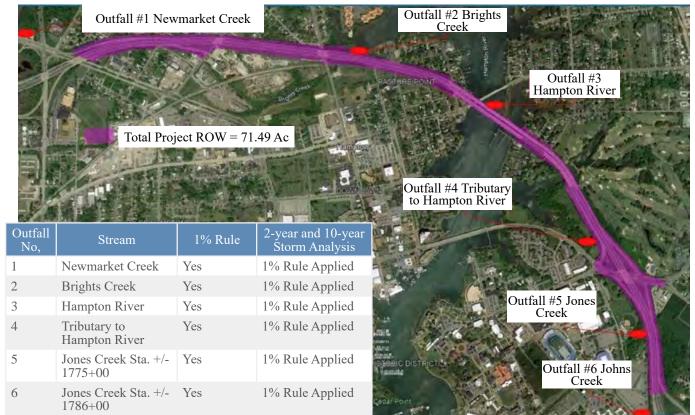


Figure 4.3.1.2.2: Outfall Analysis I-64 HREL Segment 4C







4.3.1.5 ITS Design

The traffic management systems in the project area will include CCTV surveillance, an over height detection system, and continuous count stations (CCS). The field elements will be connected to the traffic operations center via fiber optic cable and powered through individual service drops. The project will maintain the CCTV cameras and over height detection systems through the construction period until the new field elements are installed and operational or, in the case of the over height detector system, the system is no longer needed. A field of view sketch will be prepared for the ultimate locations of the CCTV cameras to ensure complete and overlapping video surveillance coverage on the roadways within the project limits throughout the project area. The over height detector systems will consist of a cabinet and controller, over height detectors, a set of flashers, a static sign, a gong, and two DMS. At locations where a CCTV camera and a traffic signal controller may be co-located, separate fiber optic switches and routers shall be provided for the CCTV camera and the traffic signal controller.

During the RFP phase, the DBT focused on ensuring that the design developed meets the Technical Requirements set forth in the RFP. Final ITS plans will be developed for approval before the installation Conceptual Plans.

Integration to tolling system and VDOT centralized traffic control systems will be completed; initiating any testing "burn in" period.

The DBT has carefully assessed the existing conditions and ITS facilities within the project limits including multiple site visits and review of the available data. The results and findings have been fed into other disciplines in order to:

- 1. Minimize impact on the ITS facilities and operations during construction
- 2. Plan for continuation of the ITS operations during all construction phases
- 3. Prepare a preliminary plan for testing and hand-over based on previous DB experience with previous projects of similar scope and complexities in Northern Virginia, Hampton Roads and nationwide
- 4. Ensure adequate lighting during the construction by de-conflicting measures incorporated in the proposed MOT schemes
- 5. Properly account for material lead times and installations

4.3.2 Conceptual Structural Plans and **Description**

Volumes I and II include specific details related to our additional enhancements to our design concept, project approach and construction. Several of these design enhancements are summarized in Table 4.3.2.

4.3.2.1 Conceptual Bridge Plans

Provided below is an overall description of the structural characteristics and proposed design concept for the bridge structures and walls included in this project, including: span configurations, transverse section description, geometric characteristics, and significant elements of the superstructure and substructure.

4.3.2.2 Conceptual Bridge Design and **Enhancements**

4.3.2.2.1 B-673 I-64 EBL over Hampton River

The Conceptual Structural Plans for the new Eastbound Lanes (EBL) bridges are included in Volume II. The description and structural concept of the bridge structure, retaining walls, horizontal and vertical clearances, and the number and widths of the lanes are narrated here.

Span Configuration: The bridge consists of four segments:

Bridge EBL-A: The first segment that crosses over the River Street has two spans of steel girders,136'-6" each.

Bridge EBL-B: The second segment is around 1200 feet consisting of precast concrete girders. This segment has 13 spans, including the one crossing over Pembroke Avenue.

of ITS devices. Our design is consistent with the RFP *Plugged Fill Area*: The third segment is over ground and the roadway is supported by 400 feet of MSE retaining wall on both the sides of the EBL structure.

> **Bridge EBL-C:** The last segment is 750 feet long and again consists of precast concrete girders. There are 7 spans of the bridge including one that spans over S. Boxwood Street.

Transverse Section

The new EBL bridge provides: a 2ft minimum width inside shoulder, four 12'-0" lanes with a 3ft buffer between the HOT lanes and GP lanes, and a 10'-0" minimum width outside shoulder.

Geometry

- The enhanced horizontal geometry of the I-64 EB lanes construction provides the required minimum of 12' horizontal clearance with the WBL between River Street and the eastern bank of the Hampton River.
- The new horizontal geometry of the EBL
- provides 63'-0" face to face between curbs. The locations of the proposed substructure units provide the required horizontal clearances for the under passing streets, and the waterbody.
- The vertical profile set for the I-64 EBL construction baseline provides final top of deck elevations for the new structures based on optimization of the EBL profile to accommodate the proposed bridges and the embanked roadway area between the Hampton Road branches.
- The proposed vertical profiles have been optimized to facilitate adequate drainage and cleaning of the superstructure and locates the







| Table 4.3.2 Conceptual Structural Plans and Description Enhancements | | | | | | | |
|--|--|---|---|---|---|----------|------------|
| | Safety For The Traveling Public, Construction Operations And The Environment | | | | | | |
| Benefits & Enhancements | Operations And Coordination With Adjacent Projects | | | | | | |
| | Schedule | | | | | | |
| | Constructability With Focus On Constrained Work Zones In An Urban And Marine Environment | | | | | | |
| | Outreach, Stakeholders and Public Acceptance | | | | | | |
| | Future Inspection, Maintenance and Asset Performance | | | | | | |
| | Cost | | | | | | |
| | Our proposed design includes span re-configuration that economizes the member sizes for erection and constructability as well as de-conflicting with the existing piers/piles minimizing pile extraction and unforeseen conditions during construction. | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| B-673 I-64 EBL Bridge | Our proposed design will be constructed in one (1) phase, eliminating longitudinal construction joint(s). | ✓ | ✓ | | ✓ | ✓ | ✓ |
| | Our proposed design eliminates total of nine (9) piers including one (1) in the water and the associated bearings compared to the RFP design. Our design requires no VA piers over water. This results in a significant reduction in future inspection and maintenance. | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ ✓ |
| | Our proposed design includes three (3) discrete bridges and a raised embankment between Hampton River Branches. Compared to the RFP design, the proposed configuration reduces over 27,000 square feet of bridge deck area and the associated future maintenance efforts and costs. | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | The proposed super- and substructure will be designed and detailed to permit future jacking for bearing replacements. | | ✓ | | ✓ | ✓ | ✓ |
| | Our proposed design eliminates five (5) joints at piers and replaces the abutment joints with VDOT standard deck over extension. During the RFP phase, we have identified additional joints that may be eliminated. This will be coordinated with VDOT after the award of the contract. | | ✓ | | ✓ | ✓ | ✓ |
| | Our proposed design utilizes one (1) line of PCBT girders in units 1, 3, 4, and 10, reducing the number of bearings and the future maintenance and costs. | ✓ | ✓ | | ✓ | ✓ | |
| | Our proposed design minimizes the extent of installation of diaphragms between the existing and adjacent new girders by accounting for the girders lateral rigidity and relative close spacing to the existing girders. | ✓ | ✓ | | ✓ | ✓ | |
| B-674 I-64 WB Bridge | East abutment extension in the vicinity of the Golf course has been carefully designed and detailed to minimize the Right-of-Way and environmental impacts. | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | We have advanced the load rating (complete BrR models) for the entire bridge to account for interim MOT and final built conditions. This early design work ensures that our proposed design will not comprise the load rating of the existing exterior girders that will act as interior girders in the final condition. | ✓ | ✓ | | ✓ | ✓ | |
| | Approved ATC No. 1 for Pier 9 provides a safe, low maintenance solutions that has gone thru extensive geotechnical and constructability reviews during the RFP. | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Design solution for Bent 37 extension includes a unique three (3)-pile supported bent that accounts longitudinal and lateral stability | | | ✓ | | | |
| Bearings | We have advanced the design and detailing of the bearings to account for constructability and schedule compression. | ✓ | ✓ | | ✓ | ✓ | ✓ |
| All Bridges | Our design includes the use of Corrosion Resistant Reinforcing Steel Class III in the deck slab, parapets, abutment backwalls, and MSE walls splashing zones. | | ✓ | | | | |
| All bridges | Our design include the use of low-permeability/low shrinkage concrete. | | ✓ | | | ✓ | |
| B-672 I-64 EBL/WBL over King St. | Our proposed widening includes a unique design that accounts for the potential conflict between the existing and new WBL Bridge Pier 2 including: 1) stability of the existing asymmetric pier/foundation system, 2) coring thru the existing pile cap on the north side of the bridge to allow for new driven piles, and 3) minimizing the final load shedding between the existing and new pier/foundation elements. | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| B-676 I-64 EBL/WBL | Our proposed widening over Settlers Landing Road utilizes micropiles in order to minimize vibration during the pile installations. | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Joint Eliminations | The elimination of deck joints using flexible link slab in the piers/bents and deck extension at abutments help mitigate the intrusion of aggressive ions such as chlorides at the beam ends resulting in increasing the service life of the bridge. | ✓ | ✓ | | ✓ | ✓ | |
| Bridge Widenings | Our proposed bridge widenings will utilize the existing wingwalls in order to minimize the support-of-excavation and impact on the mainline I-64. | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Walls | | | | | ✓ | ✓ | ✓ |







- low point of the vertical curve off the bridge.
- The vertical profiles meet the clearance requirements from bottom of superstructure low chord to maximum expected high water elevation.
- The proposed design meets the minimum horizontal clearance of 53 ft between Bents 11 & 12, as required by the USCG.

Superstructure

- As previously mentioned, the proposed bridges have different superstructure girders as listed
 - Bridge EBL-A: Painted ASTM A709W W27 steel girders; Grade 50W (fy =50 ksi)
 - Bridge EBL-B: Precast Prestressed Concrete PCBT Girders with 270-ksi 0.6" diameter low relaxation strands
 - Bridge EBL-C: Precast Prestressed Concrete PCBT Girders with 270-ksi 0.6" diameter low relaxation strands
- VDOT Mix low permeability, low shrinkage concrete will be used in the deck slab, parapets, terminal walls and integral abutment backwalls.
- Corrosion resistant reinforcing steel, class III (stainless steel) will be used in the deck slab, parapets, terminal walls and integral abutment backwalls.
- Bearings will be laminated elastomeric pads with stainless steel sliding plates when necessary to accommodate thermal movements.
- The bridge will have a jointless superstructure. Our design is very efficient and eliminates the use of Virginia Piers over the water, reducing future maintenance and associated cost.
- A deck slab drainage system will be provided using galvanized grate drainage inlets and galvanized steel pipe downspouts designed to meet allowable spread requirements.
- A 42" high concrete parapet (F-shape) will be provided on both sides of the bridge.

Substructure

- The DBT has developed a comprehensive and iterative constructability review for this project and this specific bridge given the schedule constraints of this contract. As such, we have developed a span reconfiguration to:
 - Stay clear of the existing foundations/timber
 - Minimize impacts within the River Park
 - Optimize the bridge profile and pile length and driving operations
- Virginia abutment and pier details incorporate VDOT's jointless criteria.
- The substructure pier units (pile bent configuration) are comprised of multi-column bents and 24-in square precast prestressed concrete driven piles and Reinforced Concrete (RC) cap beams.

- The exterior piles are battered to provide global lateral stability
- Some of the bents include A-Frame battered pile configurations to provide global longitudinal stability

Enhancements

The DBT's Design Concept meets or exceeds the Project's intended scope of work and will benefit end users, particularly in terms of safety, operations, schedule, construction, and public acceptance. Key features include:

- **Public Acceptance:** The proposed design has accounted for the viewshed harmonization and other aesthetic elements of the entire I-64 EB Bridge Piers over Hampton River.
- *Operations, Schedule and Construction:* The DBT will self-perform the construction of unique foundation elements if foundation conditions vary from conditions depicted in the existing plans and Geotechnical Data Report prepared by the Department. The ability to self-perform this work allows us to control the risk associated with encountering any unexpected conditions. Construction access from the east side reduces environmental impacts on the west side of the Hampton River.
- **Safety**: The DBT will create access to the Hampton River bridge for construction separate from the I-64 main roadway thereby reducing impacts to the traveling public and improving safety during construction.
- The DBT has considered the types of materials, methods, and functionality of a number of details and has incorporated them into the Design Concept to reduce the need for future inspection, maintenance, and associated cost and to provide
- VDOT full confidence in the project's long-term asset performance and durability.

4.3.2.2.2 B-674 I-64 WBL over Hampton River **Span Configuration**

- The proposed design consists of 38 spans matching the existing geometry and 10 continuous deck units of 228', 300', 84', 268', 300', 300', 300', 300', 300', 180', and 220' for a total length of 2,780'.
- The piers/bents for the widening of this bridge are located to match the existing piers/bents of the existing bridge, except for Bent 9 which is skewed differently (per approved ATC No.1) due to the site space limitation imposed by Pembroke Ave. that exists underneath the widening portion.

Transverse Section

- The proposed bridge transverse section provides 12' widening providing an additional 10'-min. shoulder on the North side of the bridge.
- In Units 1, 3, 4, and 10, a new single line of prestressed PCBT-45 supports the bridge widening. This new girder is connected to the adjacent existing girder using VDOT







intermediate steel channel section diaphragms, as well as VDOT concrete closure end diaphragms.

In Units 2, 5-9, two new lines of prestressed PCB-3 support the bridge widening. While the two new girders are connected to one another using VDOT intermediate steel channel section diaphragms, no diaphragm connection is made to the adjacent existing girder.

In Unit 10, two new lines of continuous steel plate girders support the bridge widening. The two new steel girders are connected to one another using VDOT intermediate and end cross frame diaphragms. Also the same diaphragms are used to connect the new girder with the adjacent existing girder.

Superstructure

The bridge widening includes a new F-shape BPB-4 (42" concrete parapet) and new sound walls of varied height along the North side.

In Units 1-9, prestressed concrete girders (single line of PCB-45 in Units 1, 3, 4, and 10, and two lines of PCB-3 in Units 2, 5-9) with f'c of 10 ksi and f'ci = 8ksi is used.

In continuous spans of ak and al, new structural steel plate girders with Grade 50 (fy = 50 ksi) are

The 10 continuous deck units in both existing and widening portions of the viaduct are made by eliminating the existing deck joints at Piers 1-3, Pier 34, and Bent 35 using VDOT Flexible Link Slab detail, as well as by replacing the existing deck joints at Abutments A and B using VDOT Deck Extension detail.

At all other pier/bent locations, the new widening structure follows the existing continuity in the deck for live loads.

All remaining deck joints in the existing viaduct are to be replaced by VDOT Elastomeric Expansion. Dam detail, and the deck joints in the widening portion at those locations are designed using the same joint detail.

Substructure

Piers 1, 2, and, 36 consist of a pier cap, two columns, a footing, and four concrete piles.

Piers 8 and 9 have unique two-pile bent configuration with monolithic extension of the existing cap beam.

Bent 37 has a unique three-pile bent solution

with eccentric cap beam.

• At all other locations, the substructure consists of a bent cap and four concrete piles.

Enhancements

One girder line is eliminated in Units 1, 3, 4, and 10 (i.e., in 40% of continuous units). This reduces material and cost without sacrificing performance.

By placing the new interior girder as close as possible to the adjacent existing girder, the diaphragms between the new and adjacent existing girders are eliminated in Units 2, 5-9

(i.e., in 60% of continuous units). This prevents the need for drilling into the existing prestressed concrete girders to install diaphragms.

Using our proposed transverse sections, a comprehensive LRFR load rating analysis has been conducted for all spans covering all new and existing girders using AASHTOWare BrR. All rating factors for HL-93+IM (Inv. And Opr.) are evaluated in detail to ensure that the proposed transverse sections and girder layouts do not jeopardize the rating factors in the existing girders, especially the existing fascia girders.

We have already developed BrR models for all spans accounting for all applicable existing and new loads. This effort was imperative for analyzing the existing bearing replacements for

the new continuity conditions.

The elimination of deck joints using flexible link slab in the piers/bents and deck extension at abutments help mitigate the intrusion of aggressive ions such as chlorides at the beam ends resulting in increasing the service life of the bridge.

East Abutment extension in the vicinity of the golf course has been carefully designed and detailed to minimize the Right-of-Way and

environmental impacts.

Abutment widenings will engage the existing wing walls during the construction to minimize support-of-excavation and impact on of the I-64 mainline

Piers 8 and 9 Extensions are based on a unique design specifically developed due to the site-specific constraints of Pier 9 pertinent to the conflict with the adjacent Pembroke Avenue Bridge superstructure and Pier 3 and as approved through ATC submittal 001. The proposed design includes the new substructure and deep foundation to support the widening of I-64 WB Bridges superstructure. The new substructure/ foundation unit will behave as an extension of the existing Pier 9 in the vicinity of Pembroke Avenue Bridge. The proposed ATC includes the following bridge elements: Two (2) 24-in. square precast concrete piles driven vertically to the target tip elevation per the bridge and geotechnical analysis and recommendation, and monolithic extension of I-64 WB Hampton River Bridge Pier 9 existing cap beam to support bridge widening including deck slab and girders. The DBT has assessed the spacing between the proposed precast concrete piles and the existing piles in the immediate vicinity. The proposed pile layout is based on a minimum of three (3) times the pile diameter and is in compliance with the applicable VDOT requirements. Approved ATC No. 1 also accounts for the battered profile of the existing exterior pile at Pembroke Ave Bridge Pier 3 and the shifting of the influence zone of the referenced battered pile from the proposed axial piles. The DBT has preliminarily assessed the lateral loads and does not anticipate significant increase in magnitude due to the WB widening. As such, the approved ATC No. 1







will not impact the lateral pile group capacity of I-64 WB Hampton River Bridge Pier 9 at the final builtcondition.

Due to the geometric layout of the WBL Bridge and the Pembroke Ave Bridge (underpass), we are proposing a kink in the Pier 9 cap beam in order not to impact the clearance over the underpass and separate the construction from the traveling public.

In reference to S&B Manual File No. 15.02-1 and as approved by ATC No. 1, a minimum clearance of 2'-10" will be provided within the zone of intrusion defined as the horizontal distance between the face of the existing railing on Pembroke Avenue Bridge and the new precast piles. The DBT acknowledges that a design waiver will be required due to the variance from the referenced S&B Manual File No. 15.02-1 Zone of Intrusion minimum clearance requirement of 4 ft.

The existing Bent 37 includes an integral steel cap (fracture critical) supported on two existing columns with multi-directional battered piles (approximately 40ft below the footing with 1.5 in. per foot batter angle per the as-built drawings). The DBT has developed a unique solution (Figure 4.3.2.2.2.2. below and Volume II Page 71) that: 1) de-conflicts with the existing piles, 2) includes three (3) vertical 24-in.square precast prestressed piles spaced at 3x diameter with excess capacity, 3) at least 20-ft elevation separation between the tip elevation of the existing and new piles, 4) minimizes impact on the influence zones of the adjacent piles due to tip-elevation separations and battered-vs.-vertical profiles of the piles, 5) forces the cantilevered cap beam to act as Deep Beam (shear element) improving the eccentric effects on the piles due to girder reactions, 6) harmonizes with the north viewshed of the proposed B-674 Bridge widening.

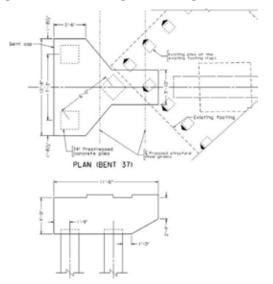


Figure 4.3.2.2.2: Unique solution too widening of B-674 Bent 37

4.3.2.2.3 B-672 I-64 EBL/WBL over King St. **Span Configuration**

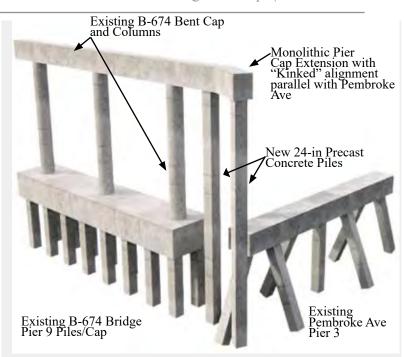


Figure 4.3.2.2.2.1: ATC 001 showing the rivet model for B-674 I-64 WBL over Hampton River Pier 9 Extension

Enhancement ATC 001 - B-674 I-64 WBL over **Hampton River Pier 9 Extension**

The monolithic extension of the cap beam is intended to enhance the structural (longitudinal and lateral) stability without load sharing between the new and existing pier elements. The DBT has preliminarily developed a sequence of construction that minimizes the load sharing between the existing and new Pier 9 units. The proposed sequence of construction allows for the deck slab and new pier cap weights (except the closure pours) as well as the new girders to be primarily supported by the new P9.1 and P9.2 piles. As such, the vertical load sharing between the existing and new Pier 9 units will be primarily limited to the composite loads including deck slab closure pour, safety barriers, sound barrier walls, etc. and the live loads.

- The proposed bridge widening conforms to the existing geometry, span configurations and skew angles.
- B-672 I-64 EBL and WBL Bridges meets the required vertical clearances over King St.

Transverse Section

EBL I-64 Bridge: Two 12ft general purpose lanes; two 12ft HOT lanes, a 10ft minimum width outside shoulder, a 2ft minimum width inside shoulder, and a 3ft wide buffer space







between the general purpose and HOT lanes
• WBL I-64 Bridge: Two 12ft general purpose lanes, two 12ft HOT lanes, a 10ft minimum width outside shoulder, and a 14ft minimum width inside shoulder

Superstructure

- PCBT-54 Precast Concrete Girder prestressed using 0.6" diameter 270 ksi low relaxation strands.
- Corrosion resistant reinforcing steel, class III (stainless steel) will be used in the deck slab, parapets, terminal walls, and integral abutment backwalls.
- Low permeability, low shrinkage concrete will be used in the deck slab, parapets, terminal walls, and integral abutment backwall.
- Laminated elastomeric pads with stainless steel sliding plates when necessary to accommodate thermal movements.
- Jointless superstructure using VDOT's Virginia Deck-over extension details at the existing and new abutment extensions.
- Jointless superstructure/continuous for live load using VDOT's Virginia Link Slabs details over the existing and new piers.
- Latex Modified Concrete overlay will be applied at the deck slabs to extend the hydromilled surface up to the original grade
- A 42" high concrete parapet (F-shape) will be provided on both sides of the bridge.

Substructure

- The existing abutments will be reconfigured to allow for the proposed deck-over extension
- The proposed abutment extensions will be designed and detailed to allow for the proposed deck-over extension
- EBL Bridge Piers 1 & 2 and WBL Bridge Pier 2 widening is supported by new isolated piers comprised of a cap beam, single RC circular column, pile cap and multiple 14-in square precast prestressed concrete driven piles

Enhancements

- Abutment extension will engage the existing wing walls during the construction to minimize support-of-excavation and impact on I-64
- To address the potential conflict between the existing and new WBL Bridge Pier 2 units, a unique substructure system (Volume II page 71) has been developed that includes: 1) partial removal of the existing pile cap/footing; 2) stabilizing the existing pier given the eccentric nature of the existing substructure system; 3) salvaging and repairing (as needed) the existing exposed piles; 4) driving new precast prestressed concrete piles; 4) extending the footprint of the existing pile cap/footing to accommodate the widening, and 5) constructing a new column and cap beam. This unique solution has been carefully developed to minimize load sharing between the new and existing piles per RFP

requirements.

4.3.2.2.4 B-676 I-64 EBL/WBL over Settlers Landing Rd.

Provided below includes the structural concept for the widening of Bridge B-676 I-64 WBL over Settlers Landing Rd. The proposed key structural design features and improvements are highlighted as follows:

Span Configuration

- The proposed bridge widening conforms to the existing geometry, span configurations and skew angles.
- B-676 I-64 WBL Bridge meets the required vertical clearance over Settlers Landing Rd.

Transverse Section

- WBL I-64 Bridge: two 12' general purpose lanes, two 12' HOT lanes, a 10' minimum width outside shoulder, and a 2' minimum width inside shoulder
- EBL I-64 Bridge: Not widened but will be reconfigured to include two 11' HOT lanes, two 12' general purpose lanes, and a 3' buffer space between the general purpose and HOT lanes

Superstructure

- Painted ASTM A709W W27 steel girders; Grade 50 (fy =50 ksi)
- Corrosion resistant reinforcing steel, class III (stainless steel) will be used in the deck slab, parapets, terminal walls, and integral abutment backwalls
- Low permeability, low shrinkage concrete will be used in the deck slab, parapets, terminal walls, and integral abutment backwall
- Laminated elastomeric pads with stainless steel sliding plates when necessary to accommodate thermal movements
- Jointless superstructure using VDOT's Virginia Deck-over extension details at the existing and new abutment extensions
- Jointless superstructure/continuous for live load using VDOT's Virginia Link Slabs details over the existing and new piers
- Latex Modified Concrete overlay will be applied on the deck slabs to extend the hydromilled surface up to the original grade
- A 42" high concrete parapet (F-shape) will be provided on both sides of the bridge

Substructure

- The existing abutments will be reconfigured to allow for the proposed deck-over extension
- The proposed abutment extensions will be designed and detailed to allow for the proposed deck-over extension

Enhancements

- Abutment extension will engage the existing wing walls during the construction to minimize support-of-excavation and impact on of the I-64 mainline
- Bridge Piers 1, 2 and 3 widenings are supported







by new isolated piers comprised of cap beam, single RC circular column, pile cap and multiple 12"-diameter micropiles. Micropiles were chosen to minimize vibrations and construction work area and address challenging subsurface conditions such as running sand and high water table.

4.3.2.3 Retaining Wall

The project demands retaining walls at various locations both on EB and WB directions. Traffic barriers on top of walls will be provided at locations where guard rails are not recommended. Depending on the height of the grade difference, as well as feasibility, the team recommends using either MSE walls with moment slabs accommodating traffic barriers or modified gravity walls VDOT Standard RW-3 with dowelled reinforcement from traffic barriers on top. All of the retaining walls will be designed for local and global stability. Foundations will be taken down to the frost depth and appropriate backfill materials will be used. Settlement magnitudes against time will be evaluated during design and measured during construction as part of the quality control process.

4.3.2.4 Soundwall

Soundwalls/noise barriers shall be designed to meet the requirements of the RFP in compliance with VDOT's noise barrier specifications and will be finalized during the Final Noise Analysis process. In this proposal the soundwalls are considered based on the preliminary noise analysis report provided with the RFP. As required by the RFP, a final noise analysis will be performed by our team to confirm the findings of the preliminary analysis or otherwise. We will perform the noise analysis early in the design 1300's SSP-VI A or SSP-VA structures, as applicable. schedule such that the soundwalls can be installed within the first two project phases. Installation of soundwalls will mitigate the increase in noise over the years. Both ground mounted sound walls (GMSW) as well as structure mounted soundwalls (SMSW) will be installed as shown in the Conceptual Roadway plans. An aesthetically pleasing and appropriate finish, as approved by VDOT, will be applied on the soundwall face that faces the roadway. Precast concrete panels and post will be installed for the GMSW whereas light material panels will be installed for structure mounted ones. The DBT has advanced the design of the concrete post based on the wind load requirements dictated by the proximity to the coastal zone and in close coordination with selected fabricator.

4.3.2.5 Guardrail/Barrier

The proposed locations of guardrail and traffic barriers are shown on the Conceptual Roadway Plans. New guardrail and traffic barriers used on this project will be MASH-compliant for enhanced safety to include the updated grading requirements (2' extended paved shoulder to face of rail and 4' graded area behind face of rail) for guardrail installations.

Full depth pavement will be extended to the face of the new guardrail or new barrier installed as part of the project.MC-4 standard for paving under guardrail will also be utilized for all new guardrails. During final design of the project, the DBT will continue to look for opportunities to refine the geometry to minimize the use of traffic barriers and guardrail on the project to reduce long-term maintenance costs and improve traveler's safety.

4.3.2.6 ITS Structures

Sign / DMS Structures: Spans, Cantilevers and **Overhead Gantries** | The structures provided for this project will consist of standard cantilever and overhead VDOT box truss structures and foundations, as specified in the 2016 VDOT Road and Bridge Standards Section 1300 for Traffic Control Devices. These structures will be designed to conform to the requirements of the of the AASHTO Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. (6th Edition, 2013 with 2015 interims).

The half-span overhead structures will span across all travel lanes and shoulders of a single direction of travel. The full-span overhead structures will span across all travel lanes and shoulders of both directions of travel. Sign structures for walk-in Dynamic Message Sign (DMS) structures will include catwalks with toe stops, handrails, harness clip-ons, and other safety design features to provide OSHA-compliant access to the entry of the walk-in sign cabinet from the edge of pavement.

Ground-Mounted Sign Structures | Ground-mounted sign structures will be constructed in accordance with 2016 VDOT Road and Bridge Standard Section

ITS Poles | There will be three pole types designed, furnished, and installed for this project, each made of a round, tapered galvanized steel section. One will be a 30' pole for MVDs. CCTVs will be mounted on 60' pole with lowering system. One CCTV at the east end of the Hampton River Bridge will be mounted on an 80' pole with lowering system. The pole and the lowering devices will be two interdependent units of a single unit and function together such that the pole and the lowering device are fully compatible and interoperable.

Structure Design and Approval | A field investigation will be conducted at each site to document or verify roadway elevations, existing utilities, existing guardrails, lanes and shoulder widths, and any other relevant information required for structures design. The DBT will design, furnish and install poles and overhead structures with foundations in accordance with the RFP Conceptual Plans.

Upon completion of preliminary geotechnical borings and reports, ITS structure designs will be developed and submitted for approval. In areas of development, where ground will be disturbed or improved via planned widenings, the Geotech







borings and foundation designs will be phased based upon completion of the final grading in these areas. Structures include Overhead Cantilever and Span structures for the static guide signs, DMSs, 60' & 80' Camera Poles with lowering device, and standalone vehicle MVD poles. Upon approval, structures will be released for fabrication and foundation design.

Test bores will be taken at each foundation location to facilitate individual design for each structure.

Approved foundations are installed in coordination with associated WBS and activities including MOT plans, tolling infrastructure installation, and roadway widening activities including installation of paved shoulders and sound barrier wall replacement, and guardrails where needed.

Structure installation is driven by foundation installation and receipt of material. Installation of cantilever and overhead structures is coordinated with MOT plans and conducted under appropriate conditions set forth in the Work Area Protection Manual.

Interim facilities for continued ITS operation on existing structures, modification to existing signs and structures, or temporary signs and structures will be included in the construction phasing as necessary.

Existing supporting infrastructure shall be identified for utilization, along with new or temporary supporting infrastructure, to provide continued ITS throughout each phase of new construction.

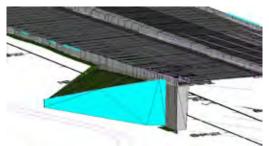
4.3.2.7 Integrated 3D Modeling with Dynamic Capabilities

Throughout the preparation of the RFP design the design team utilized VDOT's OpenRoads Designer (ORD) Connect Edition. The 3D design model was developed using the guidance contained within VDOT's 3D Model Development Manual, dated October 2020. Moving forward and throughout the Project Development Process (PDP) the team will continue to use the 3D Model Development Manual and adhere to the standards and recommendations contained within the manual. The team also intends to utilize VDOT SUDA (Subsurface Utility and and Drainage) modules throughout the design process. Utilizing the SUDA modules will allow the drainage and utility designs to interact actively and dynamically with the OpenRoads roadway models. The bridges will be modeled utilizing the most current version of OpenBridge Designer. With the Roadway, utility systems, drainage systems, and the project structures contained within a fully dynamic environment the design team will be able to quickly analyze alternatives and identify potential conflicts between the elements of the project and existing conditions. The utilization of 3D design tools throughout the project will also increase plan quality, reduce NDCs, RFIs and FDCs increase efficiency and provide a tool for engaging the public throughout the design process. The use of 3D design models aids during the design and construction process has

proven to provide cost savings to past projects.

In addition, the DBT has utilized principles of Rivet Modeling for some bridge elements visualization and geometric controls such as B-674 I-64 WBL over Hampton River Pier 9 Extension as previously discussed. Besides, the DBT has extensive experience with he use of such integrated technologies for internal and external communications, coordination, exhibits and virtual tours during stakeholders meetings and public outreach.

During the RFP phase, the DBT utilized Open Bridge Designer to model the proposed B-673 I-64 EBL over Hampton River. This model was connected with Open Roads model provided by the Roadway team creating an interdisciplinary integrated model. The top of the deck was constrained to the Highway Alignment and Profile, meaning that any roadway changes will automatically update the bridge model, saving time on ripple effect changes. In addition, this 3D model is used to fill the gaps in the Highway Corridors. The roadway team provided the I-64 corridor until the start of the bridge and the bridge team provided the bridge models to fill these gaps and create a continuous real-life model. The deck is modeled using two main parameters, the baseline and the superelevation. This allowed us to create 3D deck with real world coordinates and elevations. The software would then generate deck elevations for all the required locations. Anytime there are any changes in the model, the deck report can be regenerated with a click of a button. In addition, after modeling the beams and piers, elevation reports can be generated for these elements as well. This software allowed us to generate these necessary reports without having the need to create multiple external files and spreadsheets. Figures 4.3.2.7.1 through 4.3.2.7.4 are all examples of 3D modeling utilized during the RFP phase.



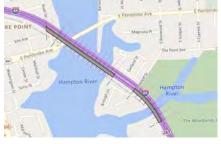


Figure 4.3.2.7.1: 3D Model of B-674 I-64 WBL over Hampton River east abutment widening in the vicinity of the Golf Course showing the grading, retaining walls and approaches, model in real world coordinates and integrated in map environments such as Google map.









4.4 Project Approach

Our design and construction approach is based on reducing and mitigating any risks to the traveling public and stakeholders.

We developed a risk register to address risks and challenges early, to avoid or mitigate those. The risk register will be updated, monitored and reviewed regularly with VDOT throughout the duration of the project. We have already performed preliminary constructability, environmental, and safety reviews on the designs developed so far for optimization, constructability and reduced impacts to the public. With our wealth of design-build experiences and innovative approach we will deliver a quality project on-time and within budget. We have summarized the enhancements and benefits the DBT brings to VDOT in table 4.4 on the following page and in blue font.

4.4.1 Environmental Management

The DBT has worked on multiple design-build projects across Virginia and has a thorough understanding of the importance of a fully integrated environmental process to manage the Project throughout its lifespan. The DBT has developed a thorough and integrated approach to environmental management and permitting focusing on identifying and understanding the environmental challenges and constraints of the Project. The DBT will develop solutions to mitigate and avoid these constraints preventing Project delays. This approach was successfully utilized on the I-95 SB RRC and I-95 NB RRC Projects enabling the DBT to secure the environmental permits in an efficient and expeditious manner.

Approach to Environmental Management and Permitting

The DBT has developed an integrated and thorough approach to environmental management and permitting. This approach minimizes and avoids impacts to sensitive environmental resources, meets NEPA commitments, and will secure all required environmental permits expeditiously to avoid any project delays. This will enable the DBT to deliver the Project on a compressed schedule.

Our schedule integrates all environmental activities and key milestones including strategies to ensure that the environmental permits are secured ahead of schedule and environmental constraints do not delay the Project. Our approach is founded on the strategies described below that minimize environmental risks and takes full advantage of our Team's in-depth knowledge from other projects in the area. These strategies are identified below:

- Preparation of a comprehensive Environmental Management Plan (EMP).
- Minimize Environmental Impacts
- Environmental permitting is one of the most important elements and is on the critical path for

the regulatory agencies to accelerate the process. The DBT will coordinate with the USACE, USCG, DEQ, VMRC, and other agencies in advance and will hold pre-application meetings. The DBT has in-depth experience of the project area and has successfully obtained individual and nationwide/programmatic permits from various agencies in the area.

Integrating environmental requirements in the design and integrating environmental staff in all

Inter-Disciplinary Reviews.

- Mandatory Environmental trainings and monitoring programs based on the successful training sessions used in various projects, including the I-95 SB RRC project, which were provided to all contractors, VDOT personnel, and sub-consultants working on the project.
- A dedicated environmental team for design and construction.
- Empowering project team members, especially environmental staff, to order stop work if any non-compliance of environmental permits/ requirements occur.

The specific environmental management efforts that the DBT will use are summarized below:

Preparation of a comprehensive Environmental

Management Plan (EMP): The DBT will prepare a comprehensive EMP for the project, which will identify the environmental goals, all environmental commitments, environmental permits, the NEPA (CE) document, environmental requirements in the RFP, amendments, and a set of robust procedures to comply, monitor, and report environmental issues. The EMP will be incorporated into the team's



Figure 4.4.1.1: Emancipation Oak

comprehensive Site-Specific Environmental Health and Safety Plan (EHSP) and include updated commitments and conditions in tabular form to: track environmental permit acquisitions, minimize potential project delays, ensure that each environmental permit/approval is accounted for in the Project schedule, and facilitate environmental compliance throughout the life of the project.

Minimize Environmental Impacts: The DBT is committed to avoiding and reducing environmental impacts during design and construction by establishing proven procedures to address environmental issues, provide mitigations, and reduce risk. Throughout the design process, environmental staff will be integrated with the design team to ensure that all design elements are developed while minimizing environmental impacts. Environmental resource mapping will be provided to the project. The DBT will employ strategies with design staff and sensitive resources will be identified







| Table 4.4 Project Approach Enhancements | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|--|
| Safety For The Traveling Public, Construction Operations And The Environment | | | | | | | | | |
| Benefits & Enhancements | Operations And Coordination With Adjacent Projects | | | | | | | | |
| | Schedule | | | | | | | | |
| | Constructability With Focus On Constrained Work Zones In An Urban And Marine Environment | | | | | | | | |
| | Outreach, Stakeholders and Public Acceptance | | | | | | | | |
| | Future Inspection, Maintenance And Asset Performance | | | | | | | | |
| | Cost | _ | | | | | | | |
| | ECM, Julia Connors has significant experience in Hampton Roads District on DB projects of similar scope and complexity, holds RLD, ESCC and SWM Inspector certifications and will coordinate the design and implementation of our environmental and ESC plans. She is empowered with Stop Work Authority and will participate in C107 inspections to confirm compliance with the design and sequence of construction. She will also perform over the shoulder reviews of the ESC on the adjacent projects at the4 overlap and tie-in areas. | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | DBT's written Environmental Management Plan identifies and tracks all environmental commitments and conditions. Our CPM accounts for all environmental commitments, TOYR and permit conditions/requirements. | | | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Environmental | DBT will develop project specific environmental training for inclusion in our mandatory project orientation. All team members and subcontractors will be required to complete this training as a precursor to being allowed to work on the project site. | | | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | Our SWM concept incorporates the nutrient credits already purchased by VDOT eliminating the need for any traditional SWM Ponds | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | DBT will dedicate a Hydro-seeder/mulcher stationed on site to facilitate immediate stabilization maintaining E&S controls at all times. | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | Our proposed embanked roadway area along EBL between the Hampton River and S. Boxwood St. reduces 27,000 SF of bridge deck and eliminates excavation and removal of over 500 truck loads of excess soil on the local roadways when compared to the RFP concept. | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | The DBT will install exclusion fencing around environmentally sensitive areas to properly separate from construction areas. | | | ✓ | ✓ | ✓ | | ✓ | |
| | Our sequence of construction focuses on completing the outside sections of I-64 including the soundwalls in the first 2 phases. | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | The alignment shift of B-673 provides an additional 30' of permanent horizontal clearance between the new bridge and the Dominion Transmission Lines than the RFP concept, improving access and operations for VDOT and Dominion Maintenance crews in the future. | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | |
| | Our Utility Coordinator, Juan Doron will hold bi-monthly meetings with all utility owners to review the status of P&Es, update our comprehensive utility matrix and schedule, and present the information to VDOT as a part of our monthly utility status report. | ✓ | | ✓ | ✓ | ✓ | ✓ | | |
| Utilities | The CPM has been developed with no third party utilities on the critical path. | | | ✓ | ✓ | ✓ | ✓ | | |
| | The DBT will develop and share 3D Models with the utility owners to ensure compatibility between P&Es and our plans. | ✓ | | ✓ | ✓ | ✓ | ✓ | | |
| | DBT will inspect all utility relocations as they are being performed within the project limits to ensure quality and conformance to the approved P&Es. The as-built locations of relocated utilities will be surveyed using geospatial equipment and digitally recorded as a component of comprehensive utility matrix. | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Geotechnical | Micropiles foundations at B-676 will reduce vibrations and footprint needed for equipment while mitigation subsurface challenges related to water table and running sands. The DBT safely performed this same scope on VDOT's Rte 7 over DTR DIAH DB project. | ✓ | | | ✓ | ✓ | ✓ | ✓ | |
| Geoleciilicai | The DBT will develop and implement a comprehensive instrumentation and monitoring plan to verify field performance and design assumptions and ensure vibrations on existing structures shall not exceed 0.5 inch per second. | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 04/00 | The QAM will hold formal meetings at the project office at least weekly to review; look ahead schedules, staffing assignments, preparatory meetings, QA/QC logs, inspection reports and the quantity ledger book. | | | | | ✓ | ✓ | ✓ | |
| QA/QC | DBT will provide the QA/QC and VDOT, at VDOT's request, each a electronic GPS survey rover loaded with the most current AFC design model in order to independently verify construction tolerances in the field in real time. | ✓ | | | ✓ | ✓ | | | |







such that designs are developed while avoiding or reducing environmental impacts. Our design avoids disturbance outside of the NEPA Study Area and reduces the work proposed outside of the existing ROW identified in the RFP. As our design progresses, we will ensure that the limits of disturbance and ROW do not expand beyond those evaluated in the NEPA (CE) document; thereby avoiding the need for additional NEPA studies and avoiding potential project delays.

Environmental Training During Design and Construction (Enhancement): Before construction begins, our environmental team will develop a project specific environmental training session program concerning sensitive environmental resources and permit compliance requirements. The training will identify the resources that must be avoided and highlight all the permit compliance requirements. The training session will be video recorded and all new project personnel including subcontractors will be required to receive a formal orientation prior to working on the site. A review of the EHSP and the environmental training video. This will ensure all team members are aware of all environmental conditions, environmental resources, and commitments avoiding permit non-compliance. The DBT is well-aware of the Project constraints and issues in the project area and the additional training will reinforce our team's awareness and the importance of permit compliance.

Approach to Environmental Permitting: The DBT will use the following approach to environmental permitting during design and construction to avoid, minimize, and mitigate impacts to environmental resources and avoid potential project delays during the permitting process.

Early identification of Permits and Agency **Coordination:** Our team will establish early coordination with permitting agencies including USCG, USACE, DEQ, VMRC and the other consulting/approval agencies (USFWS, NMFS, DHR, DGIF, DCR, VDACS, VIMS) immediately upon NTP. Our team will continue this early coordination to pro-actively establish permit requirements, address avoidance and minimization measures, understand mitigation measures and compensation requirements, establish special status species survey parameters and alternate Time of Year (TOY) measures, and minimize potential delays. Table 4.4.1.2 shows a list of the environmental permits needed for the project.

| Table 4. | 4.1.2: Environmental Permit |
|------------|--|
| / / Permit | Description |
| | Permit for impacts to Waters of the US |

USACE Clean Water Act (CWA) Section 404

Agency

and wetlands. (Certain earthwork, inwater bridge pier foundations, trestles, dredging, etc.) NWP 14, 18, 23 (or Individual permit).

| Table 4.4.1.2: Environmental Permit | | | | | | | |
|-------------------------------------|--|--|--|--|--|--|--|
| Agency / Permit | Description | | | | | | |
| USCG RHA Section 9 | Permit for the new/modifications to bridge on navigation channel (Hampton River Bridge). | | | | | | |
| DEQ | WQC for Section | | | | | | |

Virginia Water Protection Permit (VWPP) 404 and Section

| DEQ |
|--------------------|
| Virginia Pollutant |
| Discharge |
| Elimination |
| System (VPDES) |
| (CWA Section 402) |

Certification (WOC)

CWA Section 401/Water Quality

Construction General Permit (CGP) for discharges to waterbodies from construction activities and Stormwater Management (SWM) Plan approval needed upon approval of CGP Stormwater Pollution Prevention Plan (SWPPP) (incorporating Erosion & Sediment (E&C) Control, SWM, and Pollution Prevention (P2) Plans).

402 permits.

VMRC

Permit for impacts to State-owned subaqueous bottom for the Hampton River Bridges.

Develop Environmental Database and include Environmental Resources in the Design: Our team will utilize the environmental resources data provided by VDOT and collect additional data as needed from agencies and field investigations to develop a comprehensive environmental database which will be used to develop GIS and DGN layers for designers. Upon NTP, our team will immediately coordinate with the resource agencies to define the field investigation/survey needs. Our team will prepare and submit the necessary resource survey, self-certifications, and habitat analysis as needed by the resource agencies to expedite the Section 7 consultation process which will help expedite permit approvals. Our project schedule included in the proposal includes activities for natural resource inventories to ensure all survey windows are accounted for to avoid project delays.

Incorporate Avoidance, Minimization, Mitigation Measures in design and construction: Our environmental team will be integrated with the design and construction teams to ensure avoidance, minimization and mitigation measures are developed for any environmental impacts and that those measures are implemented. Our team will set up pre-application meetings and inter-agency workshops with key agencies including USACE, USCG, DEQ, and VMRC. These meetings will help develop agency "buy-in" on the avoidance and minimization measures early in the design process and provide the opportunity to propose various methods to expedite the permitting process through the NWP and GP. This will also help identify potential agency concerns early, minimize potential delays, and compress the environmental permitting duration, which is a critical path activity. Our team will utilize our current relationships with the agencies and continue to analyze and implement additional cost-effective





avoidance and minimization measures, to minimize the potential for project delays from permitting and other approvals.

Environmental Permit Compliance Monitoring During Construction: The DBT fully understands the importance of complying with the environmental permit requirements. The DBT will assign a dedicated team lead, led by the Environmental Compliance Manager, to monitor environmental compliance during construction. All DBT personnel will be granted the Stop Work authority for environmental non-compliance. As an example, this was done during the I-95 SB RRC Project where all work was stopped for an entire day, following a storm event, so the Team could concentrate on inspecting all E&S measures along the project corridor. This enabled the Team to identify and correct deficiencies and potential E&S issues. In addition, self- reporting permit compliance issues to the agencies is also an important component of our Team's monitoring program. The environmental team will be assigned to avoid and minimize onsite compliance issues. In accordance with our EMP/ EHSP, the Team will use exclusion fencing/flagging and signage around resources/areas of concern to ensure they are not impacted by construction. This will protect resources such as non-impacted wetlands, Conditions/Areas of Concern within the Project the historic Emancipation Tree, the Pembroke Avenue footprint and developed avoidance, minimization, Tidal Wetland Mitigation site, and other sensitive resources in the area. The Team will develop a

VDOT approved Erosion and Sediment Control (ESC) Plan, Stormwater Management Plan (SWM) and Stormwater Pollution Prevention Plan (SWPPP) to conduct the compliance inspections required by VDOT Standards and Specifications and permits.

Approach and Solutions to Environmental **Conditions and Areas of Concern**

The DBT fully understands that the project is located in close proximity to various important environmental resources. Our team has already identified most of the sensitive resources in the project area and will continue to refine this database in close coordination with the resource agencies in the area. The project area includes six historic resources including the Hampton Institute Historic District which is a National Historic Landmark. This district includes the Emancipation Oak Tree. This Historic District is located near the start of the Hampton River southwest of I-64.

Our team is committed to avoiding and minimizing all impacts to environmental resources. The DBT's approach to environmental conditions and resources is based upon the four-tiered approach: (1) Avoid (2) Minimize (3) Restore (4) Mitigate.

The DBT has identified the key Environmental and mitigation strategies, please refer to Table 4.4.1.5.

| Table 4.4.1.5. Environmental (| Table 4.4.1.5. Environmental Conditions/Areas of Concern: Approach/Strategy | | | | | | | | |
|---|---|--|--|--|--|--|--|--|--|
| Environmental Conditions/ Areas of Concern | Approach/Strategy | | | | | | | | |
| Wetlands Impacts | Minimize wetland impacts by maximizing use of existing ROW Design retaining walls, embankments and refine grading limits to reduce impacts Provide for control of surface water runoff during construction. | | | | | | | | |
| Hampton River Impacts | Minimize construction of temporary structures Provide for control of surface water runoff during construction Use efficient span lengths to optimize the number of piers in the river | | | | | | | | |
| Time-of-Year Restrictions (TOYR) | Identify timeframes for TOYR and activities allowed and prohibited during TOYR Incorporate TOYR in the project schedule Schedule construction activities to avoid TOYR work windows | | | | | | | | |
| Noise Analysis and Mitigation | Complete noise analysis in compliance with the Virginia State Noise Abatement Policy and the Highway Traffic Noise Impact Analysis Guidance Manual Develop Noise Abatement measures | | | | | | | | |
| Hampton Institute Historic District | Hampton Institute Historic District (National Historic Landmark) Perform work around the property in accordance with the requirements of the NEPA and Section 106 documents | | | | | | | | |
| Emancipation Oak Tree (and Loblolly Pines) | Exercise caution when working in the vicinity of the Emancipation Oak and the Loblolly Pines. Immediately address safety & health concerns of the Emancipation Oak and the Loblolly Pines. Provide special tree protection around Emancipation Oak and the Loblolly Pines | | | | | | | | |
| Contaminated Materials | Minimize the number of in-water foundations Use precast in-water foundation (precast piles, precast waterline footing shell) | | | | | | | | |







Figure 4.4.1.4: Environmental Features Map

Integrating Environmental Management and Permitting into Schedule

Integration of the environmental milestones in the project schedule is extremely important to ensure timely and efficient delivery of the project. The DBT has integrated key environmental permits, environmental hold points, and approval activities into the project schedule, including:

- Pre-application meetings with Key agencies
- JPA application preparation and submittal
- USCG permit application preparation and submittal
- JPA application review and issuance of environmental permits
- Public and Stakeholder Outreach
- Time of Year Restrictions
- Essential Fish Habitat study
- Phase 1 ESAs for ROW
- Environmental permit compliance monitoringfor the duration of the project construction.

The DBT will track the environmental activities in the project schedule throughout design and construction to ensure that the schedule is met and that permit acquisition does not delay the project. The DBT has identified TOYR restrictions based on knowledge of the agency procedures and resources in the area, including a potential TOYR for in-stream work due to the migration of anadromous fish and possible TOY for other species. Our project schedule has been developed to accommodate for such time of the year restrictions.

4.4.2 Utilities

Approach for Utility Coordination, Adjustments, and Relocations

Utility coordination between the segments is vital to the successful opening of the corridor by December 2026. Although relocating utilities can be very expensive and time consuming, The DBT has the experience and local knowledge to get them moved

ahead of time. From our Team's perspective, the utility scope is a critical component of any successful DB project delivery since the existing utilities come with potential risks that can significantly impact the project schedule and cost. Therefore, we have a group of experienced, members whose main task is to focus solely on overseeing and managing this scope. Our Team's experience with similar DB projects have required coordination with many of the same utility companies that are present on this project which has allowed us to build on our relationship and continue on incorporating proven strategies in our approach to utility coordination, avoidance, and relocations. Moreover, our Team's mitigation strategy focuses on finding the best solution to accommodate each potential conflict, typically in the order: avoidance, protection in-place, minor adjustments, or relocation.

During RFP phase, the DBT developed a comprehensive utility matrix/evaluation and initiated communications with the impacted owners. This early coordination has enabled us to develop a realistic project schedule.

- 1. Reviewed RFP Documents
 - Reviewed test-pit information
 - Verified utility information
 - Identified locations of existing easements
- 2. Provided feedback to design, permitting and rightof-way managers on potential conflicts/resolutions
- 3. Held meetings with utility owners for project overview and to request further as-builts and prior rights information
- 4. Developed a utility matrix to analyze conflicts and mitigation strategies
- 5. Held meetings with utility owner's to discuss conflicts and resolution efforts
- 6. Coordinated with utility owners design, schedule and fees

The Team is set to use an approach to the utility coordination/relocation work that follows the *VDOT Utility Manual of Instructions - Utility Relocation Policies & Procedures*, which is standard







for addressing utility coordination/relocations in Virginia, with hands-on coordination efforts that will continue throughout the project's lifespan. This keeps the utility companies focused and cooperative towards the shared goal of timely and cost-effective relocations.

Our utility relocations plans will be categorized as follows:

- 1. In-Plan Relocation: Water, sanitary sewer, natural gas, lighting, CCTV, and bridge mounted duct banks will be coordinated as in-plan work with design/construction for these facilities incorporated into the project plans and work packages.
- 2. Out-of-Plan Relocations: Privately-owned utilities for power and telecommunications facilities will be coordinated as out-of-plan work with the utilities responsible for design/construction for required relocations and the Team managing this work for successful and ontime completion.

Utility Conflicts and Mitigation Measures

In pursuit of this project, our Team's first and top priority is to completely avoid utility impacts through design; therefore, our in-depth conflict analysis has included the analysis of the RFP, Franchise Agreements, Utility Company records, Miss Utility of Virginia records, and site visits by our utility coordination staff to identify all potential utility conflicts. We have developed a comprehensive Utility Matrix, to gain a thorough understanding of all potential conflicts, and upon award of contract, it will be utilized to confirm that the best course of action has been completed. Furthermore, we have narrowed the Utility Matrix down to Table 4.4.2.3, found at the end of this section, which highlights the anticipated conflicts and our Team's plan for resolution. Below is the utility assessment summary with each utility owner:

Dominion Virginia Power – Transmission | Dominion's High-Tension overhead line within the limit of work includes 12 poles located between N. King St. and S. Boxwood St. Most poles will be protected in-place as OSHA's regulations are met for working near them; but three poles, at the Hampton River crossing, are anticipated to cause a constructability conflict when it comes to driving piles and temporary trestles usage.

Dominion Virginia Power – Distribution | Dominion Distribution's facilities are found in various locations along the I-64 corridor. Many of these facilities will be protected in-place, however, some will have to be relocated due to conflicts with the proposed bridge widening, supports and construction operations. Moreover, all existing lighting withing the project limits will be replaced per RFP requirements. Special considerations have been taken into account when it comes to the locations outlined in the Utility Matrix Summary, and more specifically the following

facilities:

- The first location is at Station 1699+29 which includes a utility pole and a guy wire.
- The second location is at Station 1721+46 which includes a utility pole and (2) guy wires
- The third location is between Station 1723+46 and Station 1725+01which includes underground conduits.
- The fourth location is along Settlers Landing Rd. at Station 1765+34 which includes underground conduits.

Verizon | Verizon overhead facilities are outside the Limit of Work for this project, but the underground facilities, will need to be protected or adjusted in-place. The main locations of concern are the following:

- The first location is between Station 1717+12 and 1417+18 where test-holes are needed to verify size.
- The second location is along E. Pembroke Ave. which includes four (4) 4 in. PVC conduits jetted into bottom of the river.
- The third location is along S. Boxwood St. at Station 1741+69 which includes 1-1" cable, 1-2" PVC conduit and 1-2" cable.

Cox Communications | Cox overhead facilities are outside the Limit of Work for this project, but the main location of concern is along S. Boxwood St. at Station 1741+69 which includes 1-1" cable which will be protected in-place.

Metro Fiber Network and Segra | The main location of concern is along N. King St. at station 1699+84 which includes two (2) 2" PVC conduits, one conduit for each owner. The conduits will be protected inplace.

Windstream Communications | The main locations of concern where conduits will be protected or adjusted in-place are the following:

- The first location is between Station 1724+78 and 1732+50 which includes conduits per owner provided GIS information crossing the Hampton River.
- The second location is along Settlers Landing Rd. at Station 1765+50 which includes three (3) 2" PVC Conduits

Lumen The main location of concern is along Settlers Landing Rd. Bridge in the vicinity of Station 1765+50 which includes three (3) 2" PVC conduits that will be adjusted in-place.

Sanitary and Waterlines | Existing sanitary and waterline relocations or adjustments owned by the Service Authority may be required for the proposed construction to accommodate storm drainage. The associated offsets will be performed as part of the standard construction operations. We have accounted for mitigations strategies (avoidance, protection or adjustment in -place) at various locations where







the water and sanitary lines are in conflict with the proposed roadway/structural elements.

Virginia Natural Gas | Many of the gas lines will be protected in place except for the following critical locations where relocation might be unavoidable:

- The first location is along River St. at Station 1721+47 which includes 2" PVC pipe.
- The second location is along Settlers Landing Rd. at Station 1766+55 which includes 6" Steel pipe.

ITS | As part of the project, there will be new ITS infrastructure within the project limits. The Team will coordinate the planned location of the new facilities so that they do not conflict with our proposed improvements.

Mitigation of Unexpected Utility Conflicts

As previously mentioned, during the proposal phase, we have contacted every utility company identified in the corridor and confirmed that the RFP plans list all the utilities that claim facilities in the corridor. Following contract award, if we encounter any unidentified utility, the SUE group as well as Miss Utility will be brought in to help track down the line to a point of identification. Once identified, the utility owner will be contacted immediately and be asked to field verify ownership, and if the line is active or abandoned. Consequently, utility designation will be performed at a Quality Level B to determine the approximate horizontal utility locations. Potential conflicts will be further evaluated by performing utility location services (test holes - Quality Level A services) to determine the exact horizontal and vertical location of the utilities. When the test-holes are performed, the field marking by the Miss Utility One Call System will be evaluated to determine if the utilities shown on the plans are correct and if any undesignated utilities are found. This approach has uncovered many undesignated utility systems on previous projects.

Coordination with Utility Owners and Reaction to Potential Delays

Prior to the Utility Field Inspection meeting, additional utility survey, utility designation, and testholes will be assessed and conflicts will be added to the comprehensive Utility Matrix. This evaluation as well as cost sharing responsibility will be documented on VDOT form UT-9 that will be shared with each utility company during the UFI meeting. Additionally, the approved roadway and bridge designs and complete UT-9s will be distributed along with other customary documents. Furthermore, schedules for the utility companies' submission of plans, specifications, and estimates (PS&Es) for the relocations will be established and utility owners will be reminded of the Buy America Requirements.

After the meeting, utility companies will be requested to submit documentation confirming prior rights to substantiate the cost sharing percentage determined on the UT-9. Our team will verify prior rights

 Obtain Additional Utility Designations, Test-Hole Information and Review Information

 Review Plans for Relocations or Avoidance and Prepare UT-9

 Hold UFI Meeting and Establish Utility Relocation Plan, Budget, and Schedule

 Verify Private Utility's Prior Rights and Coordinate with ROW managers on Easements and Finalize Prorata Share Budgets

Meet with Public Utilities to Finalize Relocations or Avoidance Plans

 Incorporate Plans into Design Documents and Obtain Necessary Easements or ROW for the Utility Relocations an Coordinate Relocations with MOT and other Activities

 Review PS&Es and Ensure Conformance with VDOT's Standards and Proper Documentation is Entered into RUMS and Submit for Approval

 Incorporate Approved Utility Relocation Plans into the CPM Schedule and Identify Critical Path Relocations and Evaluate Resources Needed

 Proceed with Relocations and Maintain Open Communication with the Teams Involved to Mitigate Unforeseen Conflicts and Verify Relocations were Done Accurately

Figure 4.4.2.2 Approach for Utility Relocation Coordination

Upon award of contract, the team will follow the process shown in Figure 4.4.2.2 to streamline the coordination effort of utility relocations, verify and finalize the relocation plan.

information, and if there is a dispute, our team will take the lead in resolving it. Furthermore, we will prepare and submit to VDOT a Preliminary Utility Status Report within one hundred and twenty (120) days from the Date of Notice to Proceed that includes a listing of all utilities located within the Project Limits, a conflict evaluation, and cost responsibility determination for each utility. This report will include copies of existing easements, As-Builts or other







supporting documentation that substantiates any compensable rights of the utility owner.

When utility relocations are unavoidable, we will work with utility owners to minimize the length of the relocation and recommend alignments to avoid conflicts with the project and other utilities. Additionally, where possible, utilities without prior rights will be relocated within the existing Right-of-Way, and if easements are necessary, then the use of joint easements with assigned locations for each utility within it will be considered; this in turn will minimize the total width needed, reduce cost and impact on schedule. Moreover, we will hold at least bi-monthly coordination meetings with the utility companies and/or their design engineers to ensure that the relocations stay on schedule.

Furthermore, our Utility Coordination Team will review the PS&Es for conformance with state and federal regulations and procedures, the design plans and construction schedule; then, finalize the cost responsibility determination, and determine the approval of the requested reimbursement. A utility relocation agreement will be prepared, executed by the utility company, and submitted to VDOT for approval as a part of the PS&E assembly; moreover, all coordination will be documented in RUMS. Upon

PS&E approval, any permitting required, the utility company will be authorized to proceed with utility relocation.

As construction begins, the Team will hold kickoff meetings with each utility company prior to relocations taking place to review ongoing construction activities, environmental requirements, and safety measures. Our Team's coordinator and inspector will monitor utility relocation progress to ensure utility companies are actively completing the work in accordance with the agreed upon fully integrated CPM schedule, will proactively survey the utilities as they are being relocated to verify that they are constructed per the approved PS&Es, and communicate with the utility owner's field supervisors themselves. This will identify any mistakes early and allow for immediate correction in order to maintain the project schedule.

Progress meetings will be held with all utilities involved onsite on a bi-monthly basis, action items for each stakeholder will be recorded on a Utility Tracking Log and distributed. If it is apparent that a utility is falling behind, meetings will be held more often to partner together to resolve any issues and maintain the schedule.

| | Table 4.4.2.3 Critical Utility Matrix Summary | | | | | | | | | |
|--------------|---|-----------------------|--|--|--|--|--|--|--|--|
| Utility Type | Owner | Station and Offset | Conflict Type | Resolution | | | | | | |
| Telecom | Unknown | 1660+04, 169' R | Need test-holes to verify conflict with EB retaining wall | Adjust In-Place | | | | | | |
| Electric | DVP Distribution | 1668+18, 91' L | Utility pole within the Proposed Cut limits | Protect In-Place | | | | | | |
| Electric | DVP Distribution | 1681+62, 57' L | Utility Pole poses construction concerns | Protect In-Place | | | | | | |
| Electric | DVP Distribution | 1681+80, 69' L | Utility Pole poses construction concerns | Protect In-Place | | | | | | |
| Electric | DVP Distribution | 1682+76, 110' L | Utility pole & (4) guy wires pose construction concerns | Protect In-Place | | | | | | |
| Electric | DVP Distribution | 1680+77, 158' R | Utility pole & (5) guy wires pose construction concerns | Protect In-Place | | | | | | |
| Electric | DVP Distribution | 1699+29, 82' L | Utility pole & (1) guy wire poses construction concerns | Relocation | | | | | | |
| Electric | DVP Distribution | 1700+18, 119' R | Utility pole & (1) guy wire poses construction concerns | Protect In-Place | | | | | | |
| Electric | DVP Distribution | 1700+23, 114' R | Utility Pole poses construction concerns | Protect In-Place | | | | | | |
| Electric | DVP Distribution | 1700+25, 151' R | Utility Pole poses construction concerns | Protect In-Place | | | | | | |
| Telecom | Metro Fiber Networks | 1699+87, 96' R | (2) 2" conduits, in close proximity to EB pier #2 | Protect In-Place | | | | | | |
| Water | NNWW | 1711+61, 106' R | 2" GIP in conflict with WB retaining wall | Adjust In- Place, Add Encasement | | | | | | |
| Electric | DVP Distribution | 1710+68, 66' L | Utility pole within close proximity of the Proposed Fill limits | Protect In-Place | | | | | | |
| Water | NNWW | 1716+88, 107' R | 6" CIP in conflict with WB retaining wall | Adjust In- Place, Add Encasement | | | | | | |
| Telecom | Verizon | 1717+12, 110' R | Need test-holes to verify conflict with WB retaining wall | Adjust In-Place | | | | | | |
| Electric | DVP Transmission | 1725+44, 155' R | OVH Transmission line of 2 poles pose construction concern | Adjust In-Place | | | | | | |
| Electric | DVP Transmission | 1725+44, 155' R | Transmission pole poses construction concern due to Static Wire location | Relocation | | | | | | |







| | Table 4.4.2.3 Critical Utility Matrix Summary | | | | | | | | | |
|--------------|---|--------------------|---|--|--|--|--|--|--|--|
| Utility Type | Owner | Station and Offset | Conflict Type | Resolution | | | | | | |
| Electric | DVP Transmission | 1735+41, 157' R | Transmission pole poses construction concern due to Static Wire location | Relocation | | | | | | |
| Electric | DVP Transmission | 1741+51, 74' L | Transmission pole poses construction concern due to operation space limitations | Relocation | | | | | | |
| Electric | DVP Distribution | 1721+46, 62' L | Utility pole & (2) guy wires pose construction concerns | Relocation | | | | | | |
| Gas | VNG | 1722+71, 121' R | 2" PVC in conflict with WB & EB pier #1 | Relocation | | | | | | |
| Electric | DVP Distribution | 1723+46, 134' R | duct-bank in conflict with WB bent #4 & EB pier #2 | Relocation | | | | | | |
| Telecom | Verizon | 1725+37, 335' R | (4) 4" conduits close proximity to EB pier #2 (VA pier) | Protect In-Place | | | | | | |
| Telecom | Windstream | 1724+78, 415' R | Location per as-built, poses construction concerns | Protect In-Place | | | | | | |
| Electric | DVP Distribution | 1741+47, 98' L | Utility pole & (1) guy wire poses construction concerns | Protect In-Place | | | | | | |
| Telecom | Verizon | 1741+81, 41' L | (1) 2" cable in close proximity to WB bent #29 | Protect In-Place | | | | | | |
| Electric | DVP Distribution | 763+34, 94' R | Utility pole & (2) guy wires pose construction concerns | Protect In-Place | | | | | | |
| Telecom | Windstream | 1765+50, 50' L | (3) 2" conduits, in close proximity to WB & EB pier #1 | Adjust In-Place | | | | | | |
| Telecom | Lumen | 1765+50, 33' L | (3) 2" conduits, in close proximity to WB & EB pier #1 | Adjust In-Place | | | | | | |
| Electric | DVP Distribution | 1765+34, 75' R | Duct-bank in conflict with WB & EB pier #1 | Relocation | | | | | | |
| Gas | VNG | 766+46, 90' L | 6" Steel pipe in conflict with WB & EB pier #3 | Relocation | | | | | | |
| Water | NNWW | 781+50, 73' R | 12" DIP in conflict with EB retaining wall | Adjust In- Place, Add Encasement | | | | | | |

During the RFP phase, the DBT identified and established communications with the major utility owners impacted by this project. The following table includes the summary of the DBT utility activities identified during the RFP phase:

| Table 4.4.2.4 Utility Owner Info and Summary of Activities | | | | |
|--|--|----------------|--|--|
| Utility Owner | Contact [Name, Address, Email] | Date | Item Discussed | |
| Dominion Virginia Power - Transmission | Rebecca Suther 10900 Nuckels Road 4th Floor Glen Allen, VA 23060 (804) 314-7364 rebecca.a.suther@ dominionenergy.com | March 15, 2022 | Feasibility, cost and schedule associated with 180 degree "mirror-imaging" the arms away from the bridge Feasibility, cost and schedule associated with the vertical extension of the transmission towers up to 20% Feasibility/cost/schedule associated with temporary outages Feasibility/cost/schedule associated with the use of mobile transformers in support of longer outages Verification of Dominion ROW Preliminary confirmation of clearances for the crane operations, erection scheme and other construction activities | |
| Dominion Virginia Power - Transmission | Joseph R. Pincusoseph R. Pincus 6104 Fiddlers Green Road Gloucester, VA 23061 (757) 928-2035 joseph.r.pincus@ dominionenergy.com | March 28, 2022 | Review Potential Conflicts & Relocations Discuss Cost Responsibility/ Prior Rights Discuss Relocation Cost Discuss Betterment Requests Discuss Required Clearances from facilities Discuss Relocation Process (if needed) Determine Who will be Responsible for Relocation Design (if needed) Determine Who will be Responsible for Construction of Relocations (if needed) | |





| Verizon | J. Fulton 765 S. Battlefield Blvd. Chesapeake, VA 23227 (757) 482-8063 | March 17, 2022 | Review Potential Conflicts & Relocations Discuss Cost Responsibility/ Prior Rights Discuss Relocation Cost Discuss Betterment Requests Discuss Required Clearances from facilities Discuss Relocation Process (if needed) Determine Who will be Responsible for Relocation Design (if needed) Determine Who will be Responsible for Construction of Relocations (if needed) |
|----------------------|---|----------------|--|
| Metro Fiber Networks | James Maynard 435 Redoubt Rd Yorktown, VA 23692 jmaynard@ cableassociatesinc. com | March 21, 2022 | Review Potential Conflicts & Relocations Discuss Cost Responsibility/ Prior Rights Discuss Relocation Cost Discuss Betterment Requests Discuss Required Clearances from facilities Discuss Relocation Process (if needed) Determine Who will be Responsible for Relocation Design (if needed) Determine Who will be Responsible for Construction of Relocations (if needed) |
| Virginia Natural Gas | Colton McWain 544 S independence Blvd. Virginia Beach, VA 23452 (757) 323-8446 cmcwain@ southernco.com | April 1, 2022 | Review Potential Conflicts & Relocations Discuss Cost Responsibility/ Prior Rights Discuss Relocation Cost Discuss Betterment Requests Discuss Required Clearances from facilities Discuss Relocation Process (if needed) Determine Who will be Responsible for Relocation Design (if needed) Determine Who will be Responsible for Construction of Relocations (if needed) |

4.4.3 Geotechnical

The project team has reviewed the available geotechnical information for the I-64 HREL project contained in the RFP documents, specifically the Geotechnical Data Report (GDR), and will continue to perform further geotechnical investigations upon receiving the award. These efforts will validate and confirm our proposed design and reduce VDOT's construction costs.

Approach to Identifying Geotechnical

The best way to identify and control geotechnical risks is to collect and incorporate as much local subsurface data as possible into the design. To accomplish this, the DBT reviewed:

The Geotechnical Data Report, HREL Segment 4C, Hampton Virginia, June 17, 2021

- As-built plans showing the pile types, sizes, and driven pile lengths for each substructure of the existing bridges.
- The RFP Conceptual Plans for bridge structures. These plans were reviewed and compared to the As-Built plans to identify potential conflicts or issues of influence of the new structures/ widenings on the existing structures.
- The boring logs on the bridge plans for the existing structures along the alignment (King Street, Settler's Landing, Hampton River

Bridges Eastbound and Westbound)

- Boring logs from additional bridge structures in the vicinity including I-64 over LaSalle Ave., over N. Armistead Ave, over RipRap Road, and over S. Mallory Street.
- Geologic Map of the Hampton Quadrangle,
- Virginia, G. H. Johnson, 1975 Geology of Mulberry Island, Newport News North, and Hampton Quadrangles, Virginia, Virginia Division of Mineral Resources, 1976
- Geologic Studies, Coastal Plain of Virginia, Virginia Division of Mineral Resources, Bulletin 83, 1973.
- Concrete Pile Design in Tidewater Virginia, by Martin, Seli, Powell, and Bertoulin, ASCE Journal of Geotechnical Engineering Vol 113, No. 6 June, 1987.

In general, the geology in the region of the project is coastal plain geology with the surficial materials along the alignment being part of the Lynnhaven Member of the Tabb Formation consisting of nearshore marine sand and clay. The Tabb Formation is underlain by the Norfolk Formation followed by the Yorktown Formation, east of the Hampton River whereas the Tabb Formation is directly underlain by the Yorktown Formation west of the Hampton River.

This difference in geology is easily seen in the difference in the borings at the bridges west of the Hampton River where there is a relatively thin surface deposit of sandy Tabb Formation soils







underlain by the green-gray silty sand with shell fragments, characteristic of the Yorktown Formation. East of the Hampton River, the top of the Yorktown Formation is substantially deeper and there is a sandy Norfolk Formation layer between the surface Tabb Formation and the Yorktown.

Groundwater is shallow and will be an important consideration for excavations needed for structures or subgrade improvement. In a coastal environment, such as this project, pockets of weaker, more compressible soils will be encountered, which will require remedial treatment to support embankments, retaining walls, and pavements. However, except for the loose alluvial deposits along the Hampton River, the general conditions are favorable for project development. Bridge structures will require deep foundation support for abutments and piers as well as concrete wing walls.

The DBT also incorporated past experience on VDOT projects and projects in the Tidewater area to help in identifying project risks. Since the project is a widening of the existing interstate, one of the key geotechnical considerations is construction adjacent to the existing embankments and structures. The areas of concern were identified by a review of the existing as-built plans and the proposed new construction. One area of concern is the influence of new fills on the adjacent exiting roadway embankment and bridge abutment fills. In addition, protection of the existing roadway, embankments, and bridge structures during construction of the widening was identified as a challenge. Since batter piles were used for existing structures, new foundations must avoid encountering or influencing existing piles that extend beyond the footprints of the existing structures. Another concern is pile driving effects and foundation construction on the existing structure foundations. In the case of I-64 Westbound King Street Bridge, Pier 1, there is direct interference between the existing foundation and the proposed widening structure.

Our proposed Geotechnical design follows

VDOT requirements as outlined in the Standards and Specifications list included in the technical requirements portion of the RFP. From the geotechnical perspective, and for the major elements of the project, the documents most frequently referenced are:

- VDOT Materials Division, Manual of Instructions
- VDOT Manual of the Structure and Bridge Division
- VDOT Road and Bridge Specifications 2020 along with the Special Provisions
- AASHTO LRFD Bridge Design Specifications, 8th Edition, 2017 and VDOT Modifications

The design follows LRFD in keeping with the AASHTO Bridge Design Specifications. Piles are analyzed using A-pile, the software referenced in the Manual of the Structure and Bridge Division. Drilled shafts for the Settler's Landing bridge widening are analyzed, using SHAFT software which is also acceptable to VDOT. Lateral analysis is done using L-Pile, which is also acceptable to VDOT.

Approach to Mitigating Geotechnical Risks

Mitigating risks involves three basic steps, 1) identifying them with an adequate program of subsurface investigation and ground characterization, 2) preparing designs and construction methods that address the key issues, and 3) monitoring, including using instrumentation during construction to assure that the established limit values for the project have been met and more importantly verify that the risks have been mitigated. If monitoring shows that mitigation measures specific to this project incorporated in the design and the construction approach are not adequate, additional measures can be taken before there is damage to or excessive influence on the existing structures.

The specific geotechnical risk issues pertinent to the project and their mitigation strategies are outlined in Table 4.4.3.1 below.

| | Table 4.4.3.1 |
|--|---|
| GEOTECHNICAL RISK FACTORS | MITIGATION STRATEGIES |
| Influence of the eastbound Hampton River bridge on the westbound bridge piles in the area of the retained roadway embankment between the Hampton River and S. Boxwood St | Rather than widen the embankment to get the needed roadway width at the correct elevation profile, a back to back MSE wall was proposed. The vertical profile was adjusted to minimize the required amount of new fill. Geotechnical analysis was performed after correlating the available Cone Penetration Test (CPT) data from elsewhere on the project alignment to develop the soil parameters. |
| Total and differential settlement of embankments, retaining walls and bridge structures. Because the project grades will change, the widening will require widened embankments and, in some places higher embankments. | In-situ testing such as CPT and Flat Dilatometer Test (DMT) as well as laboratory consolidation testing will be performed to identify the soil behavior type and determine the strength and deformation characteristics of fine-grained soils. Advanced software such as Settl3 and Plaxis have been used to preliminary simulate loading and settlement behavior. The estimated settlement periods will be included in the construction schedule. A field monitoring program during construction, using settlement plates, settlement points, vibrating wire piezometers, and extensometers will be utilizied. |







Table 4.4.3.1 GEOTECHNICAL RISK FACTORS **MITIGATION STRATEGIES** Insitu testing such as CPT, DMT, Vane Shear as well as laboratory CU triaxial shear Soft ground will make it a challenge to meet the project criteria for global with pore pressure measurements and direct shear testing will be performed to provide stability, sliding resistance, bearing the best data for soil modeling. Global stability, bearing capacity, and settlement capacity, and settlement. analysis have been preliminarily performed to model performance and develop mitigation methods. Ground improvement using a variety of methods including staged construction, preloading, wick drains in combination with preloading or surcharging, excavation and replacement, vibroflotation, stone columns, aggregate piers, and pilesupported embankments will be evaluated, and the final approved alternative (s) will be recommended. An instrumentation and monitoring program, incorporating settlement plates, settlement points, piezometers, extensometers, inclinometers, and survey points will be recommended and implemented, where needed. Monitoring programs will be developed, submitted to VDOT for review and approval, and subsequently monitored in the field by the GEOR or their representative. Scour of foundations in the Hampton Developing the scour profile at foundation locations and adjusting pile axial and lateral River and the Western Branch of the capacities to reflect the scoured channel profile. Hampton River. The new and widened bridge piers Coordinating with the construction team to develop the best strategy for sequence of constructed in the Hampton River construction and adequate work areas to perform the construction. Checking proposed may require temporary works to strategies for interference with existing foundations. Providing design of temporary allow construction in and over water. works that accounts for scour in the river channel. Monitoring the existing bridge structure with survey points and tiltmeters will be performed and observed by the GEOR or his/her representative. Preboring through embankments will be performed to reduce drag loads. The use Embankment settlement at bridge abutments could cause downdrag of "cans" to provide a sleeve for piles, is also a strategy to reduce drag loading that loading on new pile foundations. may be implemented. Restriking piles to release negative skin friction following a settlement period is also a strategy that can be used to reduce downdrag. Another strategy is allowing a waiting period in the construction schedule prior to pile driving so that, even though downdrag may still occur, the post waiting period settlement will be within tolerances. In this geology, downdrag is often a settlement challenge rather than a structural capacity challenge. Consequently, the design can in some instances accommodate the downdrag by designing the pile length to meet a target settlement. This evaluation includes computing the expected settlement using the neutral plane method for various pile lengths and selecting an acceptable length based on pile settlement. This approach would be combined with a waiting period and settlement monitoring. Instrumentation will be installed prior to construction to monitor settlement and porewater pressures at the abutments specifically to assess impacts on pile performance and timing of pile driving. Typical instrumentation would be settlement plates, monitoring points and vibrating wire piezometers. If relevant to downdrag concerns, extensometers may also be used. The monitoring period will be accounted for in the construction schedule. Monitoring the existing structure with survey points and tilt meters will also be performed and observed by the GEOR or his/her representative. Influence of new pile foundations on During RFP phase, DBT has throughly evaluated the influence zone of the existing existing foundations including the batter piles along their length and in the bearing stratum. Regarding EB Hampton River bridge DBT has developed an enhanced span arrangement to avoid the existing foundations and obstructions. At the King St. bridge WB Pier 1 DBT has developed a unique foundation solution that avoids existing piles significant improved constructability within the restricted space. Monitoring of the existing and new structures using monitoring points and tiltmeters has been programmed into the construction activities and schedule. During RFP phase we have developed several alternatives so that the foundation Disturbance of adjacent structures installation time could be most reliably predicted and shortened. Drilled shafts in similar materials in the tidewater area have presented significant installation difficulties that resulted in extended construction, which would increase disturbance. Consequently, to mitigate the potential challenge of drilled shaft installation in loose and running sands, micropiles are proposed as the primary foundation alternative. Vibration monitoring of pile driving activities at other bridge locations will be

performed







4.4.4 Quality Assurance / Quality Control (QA/QC)

The project team considers Quality Assurance/ Quality Control and safety as a top priority. The DBT approach to quality management uses proven, effective procedures for design and construction quality management. Our approach will instill VDOT with confidence that it will not incur unexpected oversight and administrative costs during the Project and that the Project will meet the expectations of VDOT and other project stakeholders. The DBT will deliver the highest standards of quality through the following actions:

- Partnering with VDOT to address all viewpoints and commitments and to reach mutually agreeable issue resolutions.
- Incorporating best practices and lessons learned from previous D/B projects, including VDOT D/B projects such as the I-95 SB over the Rappahannock, I-95 NB over the Rappahannock, Route 7 over the DTR and Route 7 & Battlefield Interchange; ICC A and B, D/B projects (MD)

Using interdisciplinary quality, constructability safety, and environmental reviews

Implementing a comprehensive QA/QC Plan in conformance with VDOT's Road Design Manual, Instruction and Informational Memoranda, and VDOT DB Manual (2018)

Dedicating an independent Quality Assurance Manager (QAM) and an autonomous Quality Control Manager (QCM) with authority to stop

work at any time

Implementing the following clear provisions for tracking and correcting nonconforming work:

- Perform a comprehensive review of the plans, specifications, and referenced requirements
- Identify all testing, submittals, and quality requirements for each construction operation or item of work
- Develop design checklists used by the construction, QC, and QA teams to confirm strict compliance with the RFP, other VDOT design criteria, design codes, project commitments, and general requirements (CADD, file formats, etc.)
- Use the design checklist as a tool to establish the submittal log, agenda for pre-activity meetings, hold, and witness points

The DBT will not start construction activities without Released for Construction (RFC) Plans and appropriate pre-activity meetings, including task-specific Work Plans, a job hazard analysis, and discussion of quality requirements (hold points and testing/inspection requirements).

Approach to QA/QC Staffing Plan

Glen Mays, DBPM, has overall responsibility for the Project, including the quality management effort. The EIC, Scott Rhine, PE, will assist Glen in his QA duties. Within their jurisdictions, the three legs to the Quality Management Plan (QMP) are as follows:

- 1. Design quality management
- 2. Construction Quality Control
- 3. Construction Quality Assurance

Overall assurance and auditing of the program will be performed by Scott, our EIC. Our Design QA/QC Plan, based on VDOT's minimum requirements for QA and QC on D/B projects, follows the successful plans that our lead engineering firm, EXP, developed for other VDOT D/B projects. It will be implemented by Design Manager Amir Arab, PE, with direct input from Scott and Glen, and with assistance from our Design Quality Manager, Amir Ahmadzadeh, PE, PMP, LEED AP and Construction Quality Assurance Manager, Andy Kondysar, PE. Amir will establish design criteria and checklists, using effective tools developed for the Military Highway CFI project and other D/B projects for VDOT.

Construction QC Manager will oversee compliance with VDOT's construction quality standards, as well as our own internal high-quality standards. The Construction QC Manager will be on-site full time and report directly to Construction Manager Durant Walters and have no assigned duties other than QC. He will manage the QC process and supervise the on-site QC staff of inspectors, technicians, and material testing specialists, placing precedence on critical issues and issuing non-conformance notices (NCNs) when necessary. He will also verify that QC inspection and testing staff are appropriately certified in accordance with VDOT requirements.

Quality Assurance Manager Andy Kondysar, PE, of Quinn Consulting, will manage the independent construction QA program. He will oversee a team of inspectors and technicians, as well as the QA materials-testing lab. The QA inspection team will feature full-time Lead QA Inspectors for bridge work and for roadway work. The QA Leads will supervise the fieldwork of the QA Testing Technicians.

The timing of this procurement offers a great opportunity for the DBT to build on the relationships developed with VDOT staff in the delivery of the \$116 million I-95 SB over Rappahannock, in Fredericksburg, VA. Along with our DBPM and other project management staff, Quinn Consulting will again serve in the independent QA role—so there will be no learning curve in the implementation of VDOT's D/B performance evaluation program.

Project-Specific Checklist to Seek Approvals and Minimize Schedule Impact

The DBT developed a project-specific checklist based on the RFP requirements, VDOT, and our experience working on local DB projects. This checklist will be used along with VDOT's standard LD-436 and our internal QC checklist, which has been developed through our extensive DB and VDOT experience, to manage stakeholder expectations including those of the adjacent HRBT project, the Town of Hampton, local businesses, and Dominion Energy addressing







items such as MOT, SWM, ITS, signal modification and timing, lighting, directional signs, etc.

Approach to QA/QC During Design

The Design Team implements a project-specific and comprehensive Design Quality Management Plan (DQMP) that encompasses both Quality Assurance and Quality Control (QA/QC) requirements to deliver quality design packages that will need minimal reviews by VDOT and be approved thru one submission. Our QA/QC process is based on ISO 9001 standards. Upon Notice to Proceed, we will develop and submit DQMP for VDOT's review and approval. As part of our commitment to quality, the DBT will identify levels of authority, functional responsibilities, program requirements and the organizational structure for the direction and implementation of our DQMP during the design process, from scope definition through construction. "ALL" DOMP requirements will apply to our subconsultants who are all responsible for implementing and conformance to the procedures set forth in the DQMP. The QC and QA reviews will be conducted by engineers and professionals who are experts in their fields and have in-depth knowledge of the subject matter at hand. The DOMP will be developed to address specific design quality items for this complex project and will include the following Key elements:

- 1. Design schedule
- 2. File structure and setup
- 3. Design criteria/standards validation
- 4. Design quality program trainings and updates during the life of the project
- 5. Implementation of the design quality program and continuous monitoring and audits during the life of the project
- 6. Design support during the construction including RFIs, NDCs, FDCs, etc.

Our proposed DQMP will be based on our collective best practices (EXP and subconsultants) for Quality Assurance and Quality Control Procedures (tailored for this project) and will be modeled based on ISO 9001 Standard Requirements. It will provide the Design Manager, discipline leads and support staff (including Subconsultants) with clear set of responsibilities and methods to review the quality of our work. Given our experience with previous VDOT projects, we anticipate a two (2)-tier DQMP: FIRST the deliverable undergoes Quality Control (QC) by "more" experienced and qualified staff who did not participate in the design development. The rigorous Quality Control process includes checking and reviewing deliverables, backchecking, and documenting all quality control checks. SECOND the deliverable undergoes Quality Assurance (QA) implemented by the Design Quality Assurance Manager (DQAM) supported by other discipline experts/delegates (as needed) who did not participate in the design development and QC. Our DQMP is intended to meet and exceed the quality qoals

and Minimize VDOT's Efforts. The DBT's QA/ QC Plan will be based on the refined and proven process that we have successfully used on all of our VDOT and other DOT projects, including I-95 SB over the Rappahannock River, I-95 NB over the Rappahannock River, Route 7 & Battlefield Interchange, Transform 66 Outside-the-Beltway, Route 7 over the DTR, and Independent Design Quality Assurance for George Washington Memorial Parkway (DB Project).

Design Quality Control

Design Adequacy

Verification of design standards, RFP Check & Revisions requirements and industry best practices

Interdisciplinary, Safety & Env. Review

Verification of compatibility, safety, compliance, and permitting requirements. This phase will engage ECM to ensure environmental commitments are met

Quality Assurance Review

Verification of conformance with DQMP and Design Quality Assurance protocols. Includes additional spot checks.

Quality Assurance Approval

VDOT Review & **Comments**

Submittals and Re-Submittals will include QC Comments Log and QA Certifications.

VDOT Approval for Construction

Construction Quality Management to Minimize VDOT's Efforts

We will provide a construction QA/QC effort that focuses on complying with the plans and specifications, ensuring quality workmanship, and producing easily auditable documentation—thereby minimizing VDOT's efforts. We will develop our construction QMP during the design phase, using feedback from quality, safety, field, and design personnel to tailor a project-specific plan that uses Wagman's QMPs from past VDOT DB projects as a template. Key elements of our construction QMP are as follows:

1. Dedicated QCM







- 2. Independent OA
- 3. Detailed Work Plans
- 4. Effective document control
- 5. Documenting changes to AFC Plans
- 6. Documenting nonconforming work
- 7. Inspection and testing requirements
- 1. Dedicated QCM | Our project team will include an independent, full-time QCM, whose sole responsibility will be construction QC program management. Adding an on-site, full-time QCM to our project staff is a quality management enhancement that will produce a better project and better documentation of the final product.
- **2. Independent QA** | Although contractual QA requirements are prescriptive, our team will expand QA's role by involving QA in aspects of construction planning and oversight such as Work Plan reviews, preparatory meetings, and casting yard inspections.
- **3. Detailed Work Plans** | Wagman-Fay will create Work Plans for each major construction element, including task-oriented construction engineering, as necessary. Although the primary purpose of these plans is to ensure proper planning and execution of the work based on RFC drawings, the Work Plans also outline QA and QC prework, inspection, testing, acceptance requirements, and hold points. These plans will be communicated to construction personnel in preparatory meetings, led by our QAM, and then monitored and reinforced through the inspection process.
- **4. Document control** | A simple way to avoid mistakes is to ensure that current documents are used. We will include a QR code on all plans and working drawings, which can be scanned with a smartphone to verify status. This ensures that outdated drawings are not used for construction.
- 5. Documenting changes to approved RFC Plans We will document and track any changes made to RFC Plans through detailed RFI, NDC, and FDC procedures, and thoroughly review such changes to ensure conformance with contract documents. In addition, a set of red-line drawings will be maintained in the project office to track clarifications of and variations from the RFC drawings. While developing as-built drawings, the QC staff will do contemporaneous updates and forward them to the design team to compile in the official set of electronic

as-built drawings at the end of the Project. Tracking logs will include a check box indicating that the FDC, NDC, or RFI requires changes to as-built drawings. These logs will then become checklists when compiling final as-builts and ensure all changes are captured on final as-builts.

- **6. Documenting nonconforming work** | We will document and track any nonconforming work through NCRs. Our QAM will formally initiate NCRs and track them through resolution. Construction Manager Durant Walters will work with the QCM and QAM to develop and implement agreeable and effective NCR solutions.
- 7. Inspection and testing requirements | The QMP will incorporate applicable inspection and testing requirements per VDOT minimum requirements for QA and QC on D/B and Public-Private Transportation Act of 1995 projects issued in July 2018, as well as additional testing that is pertinent to specific Work Plans.

Staffing Plan

The QA/QC Staffing Plan histogram provided below (figure 4.4.3.2) is based on the CPM Labor Crew Histogram including subcontractors.

The OA staff will consist of:

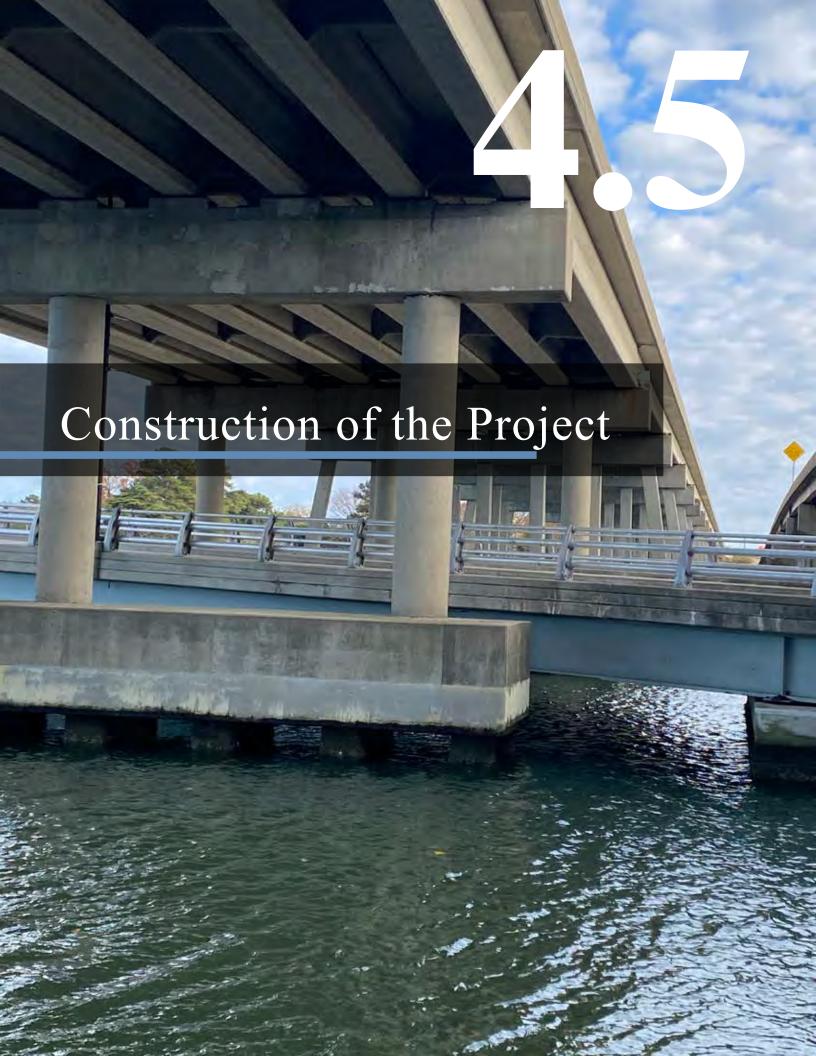
- Quality Assurance Manager: Available full time.
- Lead QA Bridge/Structure Inspector(s): Full time during structural construction activities. .
- **Lead QA Roadway Inspector:** Full time during roadway construction activities.
- **Regular QA Inspectors and Technicians:** The Lead QA Inspectors will be assisted and supplemented by additional inspectors and technicians as needed.
- **Office Engineer:** full time.

The QC staff will consist of:

- **Quality Control Manager:** Full time during construction activities.
- **Lead QC Bridge Inspector:** Full time during structural construction activities.
- Lead QC Roadway Inspector: Full time during roadway construction activities.
- **Regular QC Inspectors and Technicians:** The Lead QC Inspectors will be assisted and supplemented by additional inspectors and technicians as needed.

QA/QC Staff Histogram ised on monthly averages from the construction schedule's early start dates

| | | | | | | | | | | | 2023 | | | | | | | | | | | 2024 | | | | | | | | | | | 2025 | | | | | | | | | | | 2026 | | | | | |
|-------------------------------|-----|-------|-------|-----|-----|-----|-----|-----|-----|--------|------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|------|-------|--------|------|-------|----|
| Description | Aug | Sé Sé | p Oct | Nov | Dec | Jan | Feb | Mar | Apr | May Ju | n Ju | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr I | May J | un Ji | ul Au | g Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr M | ay Ju | n Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May J | un J | lul A | Aug Se | p Oc | t Nov | D |
| Bridge Crews | 0 | (| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 (| 0 | 6 | 6 | 6 | 8 | 9 | 10 | 10 | 13 | 20 | 20 | 5 1 | 4 1 | 8 0 | 8 | 2 | 6 | 18 | 12 | 14 | 14 1 | 5 17 | 11 | 10 | 9 | 6 | 5 | 5 | 7 | 5 | 7 | 4 | 3 | 1 | 0 | 0 (| 0 0 | 0 | (|
| Roadway Crews | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 2 | 2 2 | . 2 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 5 | 6 | 5 4 | 4 4 | . 2 | 3 | 2 | 2 | 4 | 4 | 4 | 4 ! | 5 5 | 5 | 4 | 4 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 2 | Ł 2 | 2 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Ш | L |
| QA Staffing Plan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| QA Manager | 0 | (| 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 : | . 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 : | 1 1 | . 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 : | 1 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | . 1 | 1 | |
| Assistant QA Manager | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 1 | . 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 : | 1 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 : | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | 1 1 | 1 | |
| Lead Bridge Inspector | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 (| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 : | 1 1 | . 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 : | 1 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 0 |) 0 | 0 | (|
| Lead Roadway Inspector | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 : | . 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 : | 1 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 : | 1 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | 1 1 | 1 | 7 |
| Regular Inspector/Technicians | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 0 | 0 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 7 | 7 | 5 ! | 5 4 | . 2 | 2 | 0 | 1 | 6 | 4 | 5 | 5 ! | 5 4 | 4 | 4 | 3 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 0 | 0 | 0 | 0 (| 0 0 | 0 | - |
| Office Engineer | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 : | . 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 : | 1 1 | . 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 : | l 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | 1 1 | 1 | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Ш | Ш |
| QC Staffing Plan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Ш | Ш |
| QC Manager | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 1 | . 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 : | 1 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 : | 1 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | 1 1 | . 1 | 1 |
| Assistant QC Manager | 0 | (| 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 : | . 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 : | 1 1 | . 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 : | 1 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | 1 1 | 1 | Τ, |
| Lead Bridge Inspector | 0 | (| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 (| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 : | 1 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 : | 1 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 1 | 0 (| 0 | 0 | (|
| Lead Roadway Inspector | 0 | (| 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | . 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 : | 1 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | 1 1 | 1 | Т |
| Regular Inspector/Technicians | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 (| 0 | 3 | 3 | 3 | 4 | 6 | 5 | 5 | 8 | 11 | 11 | 9 : | 7 5 | 3 | 4 | 0 | 2 | 9 | 6 | 7 | 7 9 | 7 | 7 | 5 | 5 | 3 | 2 | 2 | 3 | 2 | 3 | 1 | 1 | 0 | 0 | 0 (| 0 0 | 0 | (|
| Office Engineer | 0 | | 0 | 0 | 1 | 1 | -1 | 1 | 1 | 1 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 1 | 1 . | 1 1 | - 1 | - 1 | - 1 | - 1 | 4 | 4 | | 1 . | | - | - 1 | - | - | 4 | -1 | -1 | 4 | 1 | 1 | 1 | 1 | 4 | 4 / | 1 1 | 1 | Т. |









4.5 Construction of Project

In this section, the DBT describes our approach to safely constructing and completing the project in a manner that minimizes impacts to the traveling public (local commuters, I-64 through traffic, and pedestrians), recreational facility users, the boating community and adjacent properties / facilities. Our approach incorporates lessons we have learned while delivering numerous interstate and complex water crossing projects, including VDOT's I-95 SB RRC DB Project and the Pembroke Ave. Bridge Replacement (J62).

4.5.1 Sequence of Construction

We have developed an optimized sequence of construction and commit our vast local resources (manpower, equipment, and facilities) to this project such that we will deliver the Interim Milestone by June 10, 2026 and, achieve Final Completion by December 10, 2026 both earlier than required. These and other enhancements related to our construction approach are summarized with their specific benefits in Table 4.5 on the following page and identified throughout this section by blue font.

The planned sequence of construction and related schedule shown in Section 4.6 is based on beginning work in areas as soon as possible after constraints are removed or required pre-work such as design is completed.

The key factors that influenced the planned sequence of construction for the Project include:

- Identifying work activities that could begin early and are not constrained by:
 - Completing geotechnical analysis,
 - Obtaining all environmental permits,
 - Acquiring right of way and relocating utilities.
- Working around environmental time of year
- restrictions (TOYR). Removing VDOT and Utility Relocations from the Critical Path
- Minimizing any disruption and safety concerns to the traveling public by physically separating traffic from the construction operations and staging areas throughout the full length of the Project while minimizing the number of major traffic shifts required to maintain traffic.
- Maintaining an aggressive design schedule to provide enough time on specific activities for comprehensive constructability QA/QC reviews, and all required agency reviews.
- Providing ample lead time to secure materials.
- Economized profile and improved earthwork balance for the project including replacing over 17,000 SF conceptual bridge deck with retained embankment between the Hampton River and S. Boxwood.
- Early identification of soil conditions on-site to determine appropriate replacement or remediation while accommodating settlement periods.
- Coordination with adjacent construction projects

including HRBT, HREL Segment 4A/4B, HREL Segment 1A, North King St. Section 4 and Replace Delaminated OH sign panels.

The Team will construct this project in three major construction traffic (MOT) phases and 11"x17" graphics are provided in Volume II for each phase depicting our enhanced sequence of construction. This allows work to be constructed along the entire 2 ½ mile corridor completely separated from the traveling public allowing construction staging and more efficient and safer construction operations along the length of the project on closed roadways. The three major MOT phases are:

- 1. Phase 1: Reconstruct I-64 WB lanes
- 2. Phase 2: Reconstruct I-64 EB lanes
- 3. Phase 3: Reconstruct Median of I-64

Phase 1 will be comprised of three sub phases; Phase 1A, 1B & Phase 1C.

Phase 1A we will strengthen the outside shoulders of I-64 EB utilizing milling and paving operation using temporary lane closures during times permitted by the RFP. In Phase 1A we will also start the rehabilitation of the triple 48-inch culverts at Brights Creek as part of an early works package.

Phase 1B will shift I-64 EB lanes onto the reconstructed shoulder and right travel lane and channelize I-64 WB onto the two outermost lanes using a long term stationary work zone with Traffic Barrier Service Concrete TBSC to allow the removal of the median barrier, construction of mainline I-64 temporary crossovers, and temporary reconstruction of the median to support the lane widths. This allows all lanes of traffic to be switched to I-64 EB and opens I-64 WB for reconstruction, to include bridge widening overlay, retaining walls, noise walls. DBT member, Wagman successfully implemented four mainline I-95 (ADT 224,000) traffic shifts on VDOT's Rappahannock River Crossing (RRC) DB Projects. All of these were safely performed during off peak hours within VDOT allowable time frames.



Figure 4.5.1.2: DBT I-95 NB GP Temporary Crossover VDOT I-95 SB RRC DB



Benefits &

Sequence of

Construction

Safety

Staging

TMP

Stakeholder

Incident

Management

Coordination





4.5 Construction Enhancements Safety For The Traveling Public, Construction Operations And The Environment **Operations And Coordination With Adjacent Projects** Schedule Constructability With Focus On Constrained Work Zones In An Urban And Marine Environment **Enhancements Outreach, Stakeholders and Public Acceptance Future Inspection, Maintenance And Asset Performance** Cost The optimized sequence of construction will enable the DBT to deliver the project by December 10, 2026, twenty days earlier than the Final Completion and achieve the interim milestone by June 10, 2026, twenty two days earlier than the date required in Part 1, Section 2.3.1 of the RFP The shifting of the horizontal alignment at B-673 I-64 EBL will allow expedited installation and removal of temporary works in the Hampton River enabling the DBT to propose the unique milestone of having all temporary construction works removed from the river by February 28, 2026. All underdrains will be inspected by a third party not involved in design or construction. Inspections will be performed, reviewed, and provided to VDOT after intermediate asphalt is complete and prior to transitioning to subsequent MOT phases. Our QA/QC Plan and CPM identify these inspection activities. DBT commits to providing a full-time Safety Manager on the project. The Safety Manager will have no-construction related assignments or duties and will provide project specific safety training with emergency responders on fall retrieval and water rescue. Our enhanced MOT concept will allow construction vehicles to enter and exit the work zone at the project termini with zones for deceleration/acceleration instead of requiring traditional temporary mainline I-64 lane closures. All construction entrances will be marked for easy identification. Our MOT phasing requires 3 major phases and the traveling public will be completely separated from construction areas providing continuous areas of existing I-64 for staging and more efficient construction the full length of the project. This will be achieved by shifting mainline I-64 WBL and EBL using temporary crossovers. The DBT safely and successfully implemented mainline interstate crossovers for both I-95 NB and SB on VDOT's Rappahannock River Crossing DB Projects. All of these mainline I-95 GP (ADT 224,000) traffic shifts were safely performed within VDOT allowable off peak time frames. DBT has already performed the preliminary VISSIM analysis of all MOT phases which shows acceptable LOS and corridor travel times. The DBT will run additional microsimulations during final design of all MOT schemes to support our Type C TMP. Our MOT plans do not require work zone speed reductions. All temporary lane shifts and mergers will be designed for the full posted speed limit and all temporary geometry and shifts will meet the standards for the full posted speeds. Existing shoulders within the project limits will be improved as required to support our MOT plan. Shoulders or emergency pull off areas will be provided. All new MOT patterns will be videoed immediately after installation. All MOT patterns will be videoed at the end of each work week and prior to all Holidays. MOT inspections will occur 7 days a week to verified all phases for conformity and operational acceptance. All inspections and videos will be documented in the project files. Before each MOT phase implementation, drive thru simulations (Video Graphic Models) will be developed and given to VDOT's Public Outreach Team for public information. DBT has unparalleled understanding of the Hampton River, its recreational users, site-specific characteristics of the Pembroke Ave. Bridge, and stakeholders expectations having reconstructed the Pembroke Ave. Bridge as General Contractor. Our access and staging plan for B-673 and B-674 eliminates temporary trestle within the navigational channel as anticipated by the RFQ. Channel access for recreational boats/marine traffic will be unrestricted. DBT's plan incorporates specialized hoisting equipment for B-673 adjacent to Dominion's facility maximizes time frames available to perform this work. In addition to monthly CPM updates, DBT best practices will include detailed 4 and 10-week look ahead schedules that will be shared with all adjacent projects. This allows for operational coordination among various projects and our simplied MOT scheme streamlines SWM and ESC coordination. DBT will use various communication methods including video-3D modeling, newsletters, project brochures, websites, social media, press releases, and media campaigns as coordinated with VDOT's Office of Communications.

The DBT's CMIC, Danny Plott has performed the same role on another VDOT DB mega project in Hampton Roads and has existing relationships with

VA State Police Area 46 leadership and multiple wrecker services. Danny will employ previously developed best practices to ensure "Quick Clearance" of stalled vehicles within the project limits and the DBT's incident response truck will be enhanced to include an arrow board.







In **Phase 1C** all I-64 WB traffic is switched to I-64 EB, allowing I-64 WB to be reconstructed. Bridge widening for Hampton River Bridge, King Street, Settlers Road; bridge overlay, bearing replacement and substructure repair on Hampton River Bridge, King Street, Settlers Road and Rip Rap Road; Owens Street underpass, mainline pavement & shoulder reconstruction or mill and overlay; retaining walls, noise walls, drainage, signals, lighting overhead signs, and ITS infrastructure. All underdrains will be inspected by a third party not involved in the design or construction. Inspections will be performed, reviewed, and provided to VDOT after intermediate asphalt is complete in each phase and prior to transitioning to subsequent MOT phases. This enables any corrections or repairs to be made while the work area is still closed to the traveling public. Our QA/QC Plan and CPM identify these inspection activities.

Phase 2 is broken into 2 sub-phases 2A & 2B

Phase 2A will again channelize traffic into the two outermost lanes in each direction using TBSC to allow the reconstruction of the crossovers and repositioning of median TBSC as required. Once the crossovers are completed all lanes of traffic will be shifted to I-64 WB

Phase 2B begins once all lanes of traffic are on I-64 WB and allows for construction of Bridge widening for King Street, Settlers Road; bridge overlay, bearing replacement and substructure repair, King Street, Settlers Road and Rip Rap Road; total reconstruction of I-64 EB bridges over Hampton River and S. Boxwood Road & Hampton River Tributary; mainline pavement & shoulder reconstruction or mill and overlay; retaining walls, noise walls, drainage, signals, lighting overhead signs, and ITS infrastructure.

Phase 3 is the final phase and contains 2 sub-phases Phase 3A and Phase 3B

Phase 3A shifts the I-64 EB traffic to the outermost EB roadway and places TBSC to establish a protected work zone in the median of I-64. With traffic in the outside lanes construction will be performed in the median to remove crossovers, reconstruct shoulders, and construct the permanent median barrier. Overhead sign structures will be placed into final location with all signs, ITS and tolling equipment installed.

Phase 3B begins once the median work is complete and consist of removal of the TBSC, pavement milling, overlay, pavement markings and roadway finishes placing traffic into its ultimate position opening traffic to the newly constructed toll lanes.

Additional Information

This project has a unique feature that must be constructed within our construction phases: The

Hampton River Bridge. In phase 1B once the traffic has been placed on I-64 EB, we will widen the WB Hampton River Bridge with piles, substructure, girders, deck and parapet; rehabilitate substructure & superstructure and overlay the deck. In phase 2 when traffic has been switched to I-64 WB, we will demolish the existing EB bridge and replace with two bridges: one over the Hampton River, the second over S. Boxwood St. and the East Branch of the Hampton River.

Phase 1 - WB Hampton River Bridge widening and rehabilitation sequence of construction

The access to construct the widening of Hampton River bridge WB is challenging. The access is detailed on page 80 of Volume II. From River Street to the Hampton River Bridge, we will be working from the existing ground. From the west bank of the Hampton River to Pembrooke Avenue we will install a temporary trestle. From Pembroke Avenue to the western bank of the land mass at station 1730+50 of the Hampton River we plan on using a marine operation to drive pile, build substructure and erect girders. We will use a 300-ton crane on an 80-ft by 80-ft barge for pile driving and girder erection. Smaller cranes and barges will be employed for the substructure construction, substructure repair and material storage. Piles and girders will be delivered to the project on barges to eliminate the need for trucking and re-handling. Any substructure repair below the pier cap will be completed with barges. From station 1730+50 to the eastern bank of the Hampton River we will install a temporary trestle to support construction of the I-64 WB widening, pile driving, substructure construction, beam erection and deck placement. This trestle will not encroach upon the Pembroke Ave. Wetland Mitigation Site. We will complete the widening, substructure and superstructure work utilizing a 300-ton crane and smaller support equipment from the trestle.

From the east bank of the Hampton River to the west bank of the East Branch of the Hampton River, we will construct access roads to support the construction operation with a road crossing at S. Boxwood St. To complete the WB bridge to the eastern abutment we will need to install a temporary trestle over the East Branch with an access road to the abutment.

We will use scaffolding hung from underneath the deck for substructure repair on pier caps and the replacement of bridge bearings. Bridge joints will be removed from the existing deck. The bridge deck overlay will start as early as practicable and be completed before all traffic is shifted to the rehabilitated WB bridge.

Phase 2 -EB Hampton River Bridge & East Branch of the Hampton River Bridge Demolition & Construction Sequence

Once traffic has been relocated to the rehabilitated







WB Hampton River Bridge, we will access the work as detailed on page 80 in Volume II.

Demolition | Demolition will begin in the middle of the bridge at suspended span (between existing bents no. 15 and 16) and proceed concurrently in both directions (west & east) with multiple crews. To the west the bridge and girders will be removed completely in a single operation. To the east the span will be removed one at a time to allow pile driving. (Discussed below) The bridge deck will be removed from above either by cutting the deck into manageable slabs or use of demolition tools such as breakers and shears, and the existing girders will be lifted from the adjacent span and placed onto trucks or barges for disposal. The substructure will be removed in multiple operations. Land based substructure demo operations will be performed from River Street to Pembroke Avenue and from the eastern bank of the Hampton River to S. Boxwood St using access roads constructed along the existing structure. We will utilize cranes and conventional demolition equipment to remove the substructure 2-ft below ground level. From Pembroke Ave to the eastern bank of the Hampton River the piles and substructure will be removed to 2-ft below mudline using conventional demolition machinery from barges. The marine operation is confined between the existing WB bridge and the power lines and our detailed access plan allows enough room for multiple barge configurations. From EBR station 731+25 to the eastern bank of the Hampton River we will install a temporary trestle to demolish the bridge substructure. From S. Boxwood St to Abutment B, the bridge demolition will be accessed from temporary access roads and a very short temporary trestle (approx. 176 LF) over the Eastern Branch.

Piling & Substructure | From River Street to Pembroke Ave, piles will be driven by land cranes and the pier caps will be constructed from land. We will continue with a marine operation from Pembroke Ave to station 731+25. From station 731+25 to the eastern bank of the Hampton River, we will drive the pile from the existing bridge deck with a 200-ton lattice boom crawler crane. The DBT has reviewed the current load rating and inspection reports and performed a structural analysis accounting for any capacity loss on the existing bridge to be removed and confirmed satisfaction of 107.21(d) for construction loading of structures.

Using a similar construction approach, DBT member, Fay SE successfully analyzed the construction loading on the existing Rte. 105 bridge over the Lee Hall Reservoir, engineered and installed false/work grillage to support large cranes used for demolition and reconstruction.

The demolition and the pile driving will proceed one span at a time to allow for the pile driving operation. To drive pile in the marine operation, we will use a 300-ton crane on an 80-ft by 80-ft barge and for pier caps we will utilize a 150-ton crane on a 60-ft by



Figure 4.5.1.1: DBT reconstruction from existing bridge EFLHD Rte. 105 Lee Hall Reservoir

60-ft barge. The DBT has engineered the new spans such that the 60-ft x 60-ft barge can fit in between the new pile foundations to construct the pier caps. From station 731+25 to the eastern bank of the Hampton River, we will use the analyzed lattice crawler to drive pile from the existing bridge deck prior to removal. Substructure will be constructed from the trestle utilizing smaller crawler cranes and specialty hydraulic crawler cranes to avoid the power lines while maximizing available work periods.

From the eastern bank of the Hampton River to S. Boxwood St. abutment we will construct MSE walls and embanked fill. From S. Boxwood St. to abutment B, we will construct the bridge from land using access roads, causeways and temporary trestle utilizing the 300- ton crane for pile driving and other support cranes for the substructure.

Girder erection | Due to the existing power lines, it will be very difficult to erect the girders with conventional cranes. We have developed a plan to shift the new EB Bridge to the north and away from the existing power lines. Girder erection will start at Abutment B on the east bank of the Hampton River. The girder erection will be a two-crane pick with a specialty 250-ton hydraulic boom Tele-Crawler on the trestle and a 135-ton hydraulic crane starting behind the Abutment. When each span is erected the 135-ton hydraulic crane will walk out onto the newly erected girders on temporary engineered false-work/ grillage to be in a position to erect the next span (Page 80 of Volume II). The bridge superstructure will be engineered to support his construction loading satisfying 107.21(d). Once we erect the girders through span 9 the erection will continue with a marine operation. The girders will continue to be erected using two cranes, the 250-ton Tele-crawler on a barge and the 135-ton crane will continue to walk out onto the newly erected girders. Once we reach Pembrooke, girder erection will continue with a 250ton crane on land and the 135-ton hydraulic crane.

On the second structure from S. Boxwood St to Abutment B, girders will be erected with conventional cranes from the access road or causeway.

Superstructure | The bridge deck and parapets will







be constructed starting at Abutment A and continuing to Abutment B on the eastern bank of the Hampton River. Over the Hampton River Tributary the bridge deck construction will begin at S. Boxwood (Abutment A) and continue to Abutment B on the eastern end of the structure. Support material for the bridge deck operations will be loaded from barges, temporary trestle, access road or from WB I-64 using allowable temporary lane closures. Concrete will be placed utilizing concrete pumps with slick lines (temporary pump lines on the deck) and a spreader system with bridge deck finishing machines. Parapets requiring traditional temporary mainline I-64 lane will be constructed from the new deck. Once one of the bridge decks is completed and cured to strength, the retained embankment from Abutment B at the eastern bank of the Hampton River to S. Boxwood will be paved.

Safety & Mobility

The DBT's top priority on the project is safety of our employees, subcontractors, and the traveling public. We have a proven record of safely delivering multiphase interstate projects as evidenced by recent national and regional industry safety awards from ARTBA, VTCA, and AGC-MD. In 2019, DBT member Wagman was recognized by VTCA as the winner of the Contractor Safety Award in the 100,000 to 250,000 man-hours category. To ensure the proper focus on safety the DBT is assigned a full time Safety Director, Mr. Andrew Weston to the project. Andrew will have no construction related assignments and will oversee the projects safety program from development of the Environmental Health and Safety Plan (EHSP) throughout training, physical construction and project acceptance. In addition to training the members of the DBT, Mr. Weston will provide project specific training the local emergency responders in fall retrieval and water rescue.

Safety for the traveling public will be assured by the development of a detailed Traffic Control Plan (TCP). This plan will minimize traffic shifts and lane closures, maintain or exceed minimum lane widths, consider line of site when planning for ingress to and egress from construction work areas, and avoid reductions in speed limits. Temporary concrete barrier wall or guardrail will be used to protect long-term work areas. We will utilize a certified, experienced traffic control supervisor and crew dedicated to installing, maintaining and removing the temporary traffic control devices. All new MOT patterns will be videoed immediately after installation. All MOT patterns will be videoed at the end of each work week and prior to all Holidays. MOT inspections will occur 7 days a week to verify all phases for conformity and operational acceptance... All inspections and videos will be documented in the project files. We will conduct regular drive-through video inspections of the project and review for compliance with the approved TCP.

The Team appreciates the criticality of keeping vehicular traffic moving safely while making

the necessary infrastructure improvements; to accomplish this, we plan to perform the majority of our construction behind barrier. This also enables us to perform substantive portions of the work during the daytime. Our construction team has already worked closely with our design team to develop a sequence of construction that completely separates the traveling public from the construction operations using TBSC while providing construction vehicles to enter and exit the work zone at the project termini with zones for deceleration/acceleration instead of closure. All construction entrances will be marked for easy identification. We will continue to perform detailed constructability reviews of the TMP and MOT plans, ensuring that our plans provide safe and effective advance warning and transit through the work zone.

The DBT's CMIC, Danny Plott has performed the same role on anther VDOT DB mega project in Hampton Roads and has existing relationships with VA State Police Area 46 leadership and multiple wrecker services ensuring efficient coordination and rapid incident response. Danny will employ previously developed best practices to ensure "Quick Clearnace" of stalled vehicles within the project limits and the DBT's incident response truck will be enhanced to include an Arrow Board. Existing shoulders within the project limits will be improved as required to support our MOT plan. Shoulders or emergency pull off areas will be provided.

Additionally, our plan will provide the following; on-call towing service, emergency pull off/refuge areas, access through all work zones for emergency responders, pre-approved messaging for a variety of incidents (coordinated with VDOT's corridor incident management plan), evacuation plan and an emergency contingency plan (notification and response matrix coordinated with VA511 and preapproved detour routes with staged equipment and materials.)

The DBT relieves the traveling public by making it one of our priorities to be cognizant of the overall traveler mobility limitations that may be present due to the on-going construction activities of all of the adjacent and regional projects. We understand the requirements of the RFP, particularly Part 2 Section 2.10. We are conscious of other construction projects and the traffic ramifications they may pose; and will work with VDOT to minimize impediments to the traveling public and maintain a safe work zone throughout the I-64 corridor. We will accomplish this through coordination with other contractors and VDOT, as Wagman has demonstrated on the I-95 SB RRC & I-95 NB RRC projects. The DBT has personnel trained and familiar with the use of VDOT LCAMS.

The mobility and safety of recreational users of the Hampton River and adjacent shared use paths or sidewalks is also a priority for the Team. The DBT





will develop an Aide to Navigation Plan (ATON) to notify the boating community with proper signage, buoys, lights and channelizing devices to ensure safe passage way through the navigational channel and the work zone. We are local and have visited and used this river ourselves and have also used the local shared use paths or sidewalks so we will be engaged to make sure that these facilities are maintained and possibly improved. DBT member Fay SE brings unparalleled understanding of the Hampton River and its users and their expectations having reconstructed the Pembroke Ave. Bridge as the general contractor for VDOT's J62 Project. By previously performing the same scope required for this Project in the same location we have hands-on knowledge from working in this exact waterway and proven methods to maintain recreational water use and maintain boater safety. As such, our trestle/marine fleet scheme maintains construction access and minimizes interruption and impacts to the boating community. Our plan will notify all users of changes and inform the boating community of the proper channels through the work zone.



Figure 4.5.1.3: DBT Replacement of Pembroke Ave. VDOT J62

Unique Milestone

The shifting of the horizontal alignment at B-673 will allow the DBT to expedite the installation and removal of our temporary works in the Hampton River enabling the DBT to commit to a unique milestone by removing all temporary construction works out of the river by February 28, 2026 providing benefit to the environment and all river users.

Operations through the work zone

One of the key considerations when developing the Sequence of Construction and MOT phasing for the project will be to minimize any disruption and safety concerns to the traveling public by minimizing the major traffic shifts/detours required to maintain traffic. A summary of the traffic shifts required for each phase and sub-phase within the project area are below. The project area will have a maximum of four traffic shifts.

 Phase 1A is an off-peak mill and paving operation using temporary lane closures to strengthen the I-64 EB shoulders

- Phase 1B is a lane shift to remove the median barrier, reconstruct the median (temporary) and build the crossovers
- Phase 1C is a major shift to relocate all traffic onto I-64 EB and perform new construction widening and rehabilitation of substructure and superstructure elements to include latex modified concrete deck overlay

 Phase 2A will switch back to two lanes along both EB and WB existing bridges in each direction to allow reconstruction of the crossovers

- Phase 2A is a major shift of all lanes of traffic to I-64 WB
- Phase 2B is reconstruction of I-64 EB
- Phase 3A will split traffic to two lanes in each direction to allow for reconstruction of the median to include new barrier and final finishes
- Phase 3B will be final milling, paving and striping with temporary lane closures.

The DBT will draw on their experience with major traffic shifts on high-volume interstates such as I-95, I-70 and I-66 to successfully plan and execute this operation. We will closely coordinate with VDOT and implement measures such as temporary pavement and extended work hours to minimize the disruption to traffic. All lanes will be in accordance with the RFP requirements. Signage and temporary traffic control devices will adhere to VDOT standards and the Manual on Uniform Traffic Control Devices. The operational level through the work zone will be maintained.

The DBT worked together to identify all critical construction activities, including access points and staging requirements, and has developed a plan that accommodates these activities with minimal impact to the traveling public. For example, we will provide detailed plans including acceleration/deceleration lanes, temporary pavement, temporary barrier walls and additional signage to safely guide construction equipment and material deliveries in and out of the work zone areas. We will analyze and construct temporary drainage during all construction phases to ensure that the travel lanes are free of water ponding during storm events. Significant advantages of our MOT scheme are that it provides separation between opposing traffic, minimizes the number of construction phases, constructs large portions of work outside of traffic, and requires only two major mainline traffic shifts.

Staging & Storage

The DBT possesses extensive local resources including over 500 construction professionals, an equipment fleet valued at over \$75M and has started to discuss agreements with local property owners for convenient offsite staging. The resources are available 24/7 allowing us to maximize work outside the peak traffic periods. All staging areas both offsite and onsite will be detailed in the project's SWPPP and properly permitted. Material staging for roadway construction will occur predominantly in





station between construction entrances and the active work areas. We will stage materials and schedule deliveries during non-peak hours whenever possible to minimize disruptions to the traveling public. The DBT will separate construction from the traveling public and will provide proper well signed ingress, egress and refuge areas. We will also implement a Project Specific Work Zone Control Plan, similar to what Wagman Implemented on their I-95 RRC projects. On the I-95 RRC projects Wagman developed a Project Specific Work Zone Control Plan that identifies all ingress and egress to work zones. The DBT will provide this document to all team members: contractors, designers, VDOT, QA, QC, Subcontractors, and suppliers. This allows safe access to deliver materials and to build the project while protecting the traveling public. Staging and storage areas are strategically located to minimize construction traffic and deliveries disrupting traffic on I-64 or side streets. The DBT has logically separated the I-64 project into 6 geographic work areas as identified in the plan provided in section 4.6. The specific locations for storage, ingress and egress are shown on the MOT/SOC plans in Volume II.

Public Safety

Public safety is of utmost concern for WFJV on all projects, and will be addressed by carefully developing a sound Traffic Management Plan. The general public will be moved into clearly delineated paths and any pedestrian ramps that may be needed will meet all ADA requirements. Spotters and barricades will be posted in areas where pedestrians may come close to the work zones. Our certified Traffic Control Manger, David Creasy, in coordination with our Lead Traffic Engineer, Mitsuru Tanaka, PE, PTOE will ensure that temporary traffic control is set-up properly and remains in place per contract guidelines. We will also utilize our Public Outreach Plan (POP) to alert the general public of the upcoming changes in the area to limit the interruptions that they may face.

The DBT will coordinate with local stakeholders, including emergency responders, with respect to traffic impacts associated with construction of the I-64 Hampton Roads Express Lanes. In order to minimize disruptions to traffic, our approach will be to build as much of the interstate widening and streetscape as possible with minimal temporary lane closures or stoppages. We will coordinate clearance with utilities early to maximize available work space and minimize any safety concerns. Inlets, storm drains and other utilities will be constructed early, subject to time of year restrictions, in order to prepare for roadwork in future phases.

| Table 4.5.1.4 | | | |
|---------------------------------|---|----------------------------|---|
| Description | Impact | Category | Team Mitigation Strategies |
| Emergency Response Access | Public safety during construc- tion of the PROJECT | Construction Management | Maintain constant communication and partner with all emergency responders. Monthly progress updates utilizing PROJECT flyers and maps to define/identify changes to existing access points. |
| Mainte- nance of Traffic | Public safety and mobility during construc- tion | Construction Management | Develop a comprehensive TMP to understand the existing traffic users, patterns and challenges. Carefully design geometrics/MOT and execute traffic control where existing I-64 switches from 3 lanes to 2 lanes, to continually maintain traffic. |

To maximize safety and minimize disruption and delay to the traveling public, the project will be constructed in 3 major phases. These phases will include sub-stages as may be needed to maintain safe and efficient traffic movement. Signage and our POP will be instrumental in our Safety Management Plan to alert motorists, school bus drivers, public transportation providers, emergency service agencies, pedestrians, bicyclists, and the local communities in the project area, far in advance of construction work zones. Prior to all construction activities and scheduled maintenance of traffic that may affect the public (e.g., detours, traffic shifts, etc.), our Public Outreach staff will assist VDOT in providing a minimum of 30 days advanced notification to the Transportation Operations Center (VDOT TOC), local schools, and emergency services.

As with our Site Specific Environmental Health & Safety Plan, a key component will be the development and implementation of an Incident Management Plan. This plan will be incorporated into our Traffic Management Plan and will coincide with our Traffic Control Plans, as well as our Project Schedule and Construction Activity Plans. The Incident Management Plan will provide preventative measures and a step-by-step procedure to follow for any incident that occurs within the project site. This plan will establish guidelines for effective emergency response and communication procedures within the work area, so that appropriate actions can be taken without hesitation. A significant incident may include traffic accidents, fires, spills, work site accidents, natural disasters, damage to public utilities, or other emergencies that would pose a threat to personnel





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or public safety. The DBT will establish a team of trained employees that will be led by our On-Site Project Safety Director, Andrew Weston, and our Project Superintendent, Jack Yon. This team will be responsible for the First Response, as well as further coordination with emergency operations, jobsite supervision, and the local jurisdictions to ensure safety to people and property. Any incident will be immediately presented to VDOT, as well as any other local jurisdiction that may require such notification, such as emergency service agencies, law enforcement, utility owners, and VDPOR. Notifications will be received, only as they pertain to the specific incident. A master list of local emergency responders will be established, maintained, and distributed to the project team for reference and use. Once the incident has been responded to, and all parties are safe and secure, an incident report will be documented and submitted to VDOT. These incident reports will be kept on file and reviewed as the project moves forward, to mitigate future occurrences of similar types.

Regard for the safety of the general public, our own employees and the employees of our subcontractors is a supreme responsibility at all levels of our organization. We intend to prevent all accidents, even minor ones, which could cause physical or mental pain. Prevention of injury and illness is a goal well worth achieving. A safe operation is organized, clean and efficient. If every employee views safety as their primary daily goal, we will be in a better position not only to avoid accidents but also to improve the overall performance of our company.

Public safety is of the utmost concern for the DBT on all projects and must be prominently accounted for on this Project as pedestrians and bicyclists use the secondary underpasses impacted by the multiple bridge rehabilitations and widenings, such as, S. Boxwood Ave., Settlers Landing Rd., E. Pembroke Ave., River Street, N. King St. and Rip Rap Rd. In order to maintain safe access for pedestrians during construction we will build as much of the utility, structural, street and roadside improvements as possible, while securely protecting and maintaining existing walkways and implementing the following features:

- Provide and/or maintain clearly delineated pedestrian paths and ramps that meet ADA requirements. This includes maintaining adequate walkway widths (4 foot minimum) and ramps (10:1 maximum slopes).
- Construct temporary ADA compliant pathways around or over work areas that affect existing walkways.
- When maintaining existing walkways within an active work area is not feasible, we will provide a clearly marked pedestrian detour route to the opposite side of the street.
- Post spotters and place barricades in areas where pedestrians may come close to the work zones.
- Maintain existing lighting levels throughout

- construction to ensure properly lighted walkways are sustained.
- Maintain pedestrian signalization at existing marked crossings throughout construction.
- Maintain bike access via protected areas and detours as feasible.

Pedestrian and bicycle MOT details will be clearly developed in the Traffic Management Plan and Traffic Control Plans in accordance with VDOT standards.

Limiting Disruptions to Vehicular, Marine, and Railroad Traffic

The DBT has developed the Sequence of Construction with a focus on minimizing traffic impacts to the traveling public and all stakeholders throughout the construction of the project. The MOT plan developed by the DBT minimizes travel delays throughout all stages of construction and is explained in detail later in the document. The project area has one railroad track near Spring Road. However, the DBT does not anticipate any work near the tracks or any disruptions to the railroad. The DBT during construction will ensure that work in the Hampton River limits impacts to marine traffic. Currently Hampton River in the project area does not have large commercial shipping activities. The River channel is mostly used for recreational purposes. The DBT will work with the river users, VDOT, USCG, and related agencies to ensure impacts to river traffic are minimized and that a navigable channel under the bridges will remain open for the duration of construction. The DBT plans to eliminate stoppages for overhead demolition and construction activities by temporary relocating the navigation channel under the bridges, eliminating potential boating delays.

Installation of ITS for Monitoring Traffic and Safety

ITS Equipment / Devices

The DBT will install all ITS devices, including Dynamic Message toll lanes as per the RFP requirements. In addition, we will install manual warning gates, over height vehicle detectors, queue detection, and tolling infrastructure for the proposed toll gantry. Power and communications infrastructure for these devices will be designed and implemented separately for general purpose and toll lanes.

DMS | The RFP calls for two types of DMS. 1)
General Purpose Dynamic Message Signs (GP-DMS)
and Tolling Dynamic Message Signs (T-DMS).
Both GP-DMS and T-DMS will be full matrix, full
color LED, Type 2A and in accordance with VDOT
Road and Bridge Specifications Section 804. DMSs
for General Purpose Lanes (GP-DMS) and Tolling
DMS (T-DMS) will be installed at their designated
locations according to the approved plans and per
RFP requirements. DMS will be installed after the
structure's foundation and uprights are in place.
To minimize the duration of road-closure, the sign
will be attached to the truss while both assemblies
are on the ground and then attached to the uprights.







Power and communications cables and conduits will be installed between the controller cabinet and sign housing. Both the sign housing and structure will be grounded according to the approved plans and NEC. The completed installation will be inspected and approved by the state designated electrical inspector.

CCTV Camera | CCTV will be installed to provide 100% overlapping coverage of both general purpose and toll lanes. Additional CCTV cameras for surveillance of toll gantries, and DMS will also be provided per RFP requirements. The CCTV cameras are pan, tilt, zoom (PTZ) and will be mounted on 60' poles with lowering assemblies. Power and communications cables will be routed to the camera unit from inside the pole. Air terminal and down-conductors will be installed and connected to the lightning protection grounding system per the approved plans. Camera housing and camera pole will be grounded per the approved plans and according to NEC. The completed installation will be inspected and approved by the state designated electrical inspector.

VDOT Microwave Vehicle Detection Sensors (V-MVDS) | All existing MVDS in the project limits will be replaced with new MVDS. Some of the MVDS are replaced on the existing poles and new poles will be installed at new locations or colocated with CCTV cameras. The V-MVDS will be configured to capture both general purpose and toll lanes and will be connected to VDOT ATMS Ring.

Toll Microwave Vehicle Detection Sensors (*T-MVDS*) | T-MVDS will be provided on new poles at every 0.5 mile in each direction as shown on the plans to capture toll lanes exclusively.

Warning Gates | All existing manual warning gates along I-64 EB Ramps within the project limits will be replaced with new gates. All gates will be manually operated.

Over Height Vehicle Detection (OHVD) System The current design shows that the OHVD System is being designed and installed as part of the HRBT Project. Our team will coordinate and identify any impacts to the installed OHVD system and will replace the sensors as required per the RFP.

HOT Lane Infrastructure for Electronic Toll *Collection (ETC)* | The DBT will design, build, and implement the ETC system per the RFP. The physical infrastructure will include signing and vehicle sensors for dynamically calculating the tolls. We will coordinate with VDOT Tolling System Integrator (TSI), who will be responsible to design, integrate and test the tolling system for the project

Toll Gantry and Foundations: The DBT will be responsible for designing the toll gantry, procure and install the toll gantry foundation and all gantry mounted conduits. The toll gantry will be designed per the RFP requirements stated in Section 2.9.9. The proposed toll gantry will be designed to accommodate all associated toll equipment to

include signing mentioned above.

- VDOT's contractor TSI will be responsible for the rest of the equipment that is required to be attached to the toll gantry, provide cabling between the gantry and the tool equipment cabinet (TEC) and uninterruptible power supply (UPS).
- **Generator Site:** We will provide the generator that will be connected to propane tank(s) to support the toll equipment for 24 hours. We will coordinate the location size, and design for the foundation. The generator site and the propane tank will be designed per RFP Section 2.9.11
- **Tolling Equipment Cabinet (TEC):** The TEC will be procured and installed by TSI and we will coordinate with TSI for the location and foundation for the Toll Equipment Cabinet (TEC). We will provide the foundation and design of TEC pad, conduits for power and fiber optic infrastructure for the TEC, splice fiber optic cables, and providing power to the TEC per RFP Section 2.9.10.

ITS Controls and Communications

Equipment Cabinets | Equipment Cabinets will be provided for all ITS devices. Separate Cabinets will be provided for VDOT ATMS in accordance with Tolling and Bridge Specifications Section 801 and VDOT Road and Bridge Standards CF-3 Foundations.

- **Fabrication:** Cabinets will be designed according to the approved plans for ground or pole mounted installation. Cabinets will be sized to accommodate all equipment as specified in the plans and specifications. The cabinets will be inspected for compliance upon arrival to the site and prior to installation.
- Controller & Cabinet installation: Cabinets will be installed on the ground or mounted to the structures according to the plans. For groundmounted installations, the cabinets will be bolted to the foundation level and sealed around the base. Power and communications cables will be routed to the sign structure and housing through the conduit stub-out already in place within the foundation. Pole-mounted cabinets will be attached to the pole at the height shown on the plans. Power and communications cables and conduits will be routed to the sign housing exiting the bottom of the cabinet. Cabinets will be grounded according to the plans and NEC. The completed installation will be inspected and approved by the state designated electrical inspector.
- Cabinet Foundation Installation: For groundmounted cabinet, the foundation will be built in approved locations and according to VDOT Road and Bridge Standard CF-3. Conduit stub-out will be placed for power and communications cables. Foundation will be leveled and stabled on the finished grade.







Communications Infrastructure and Design The DBT has conducted a preliminary field review to verify the concept plans and develop our communications design approach. Our design team has a complete understanding of the design requirements for this project. We are aware that the current VDOT Ethernet network consists of field hubs located throughout the region, connected via a fiber optic trunk line. Our design will be consistent with VDOT's current communication architecture. Our Team will meet with VDOT to identify, test, document, accept, and maintain assigned fibers that will be used exclusively for this project. We are aware that splicing will be required at several segments between existing cabinets in order to obtain a continuous fiber trunk line backbone. All cabinets will have UPS, controllers and TVSS in the nearest junction box to the equipment cabinet to maintain the Structure Protection | When possible, the ring structure.

- **Junction Boxes:** Junction boxes will be installed at the locations and spacing shown on the approved plans for fiber optic communications cable backbone, power cables, and device drop cables. Junction boxes material, size, and loading will comply with the approved plans and specifications.
- **Conduit trenching/boring:** Conduits will be installed according to the approved plans by either trenching, directional drilling, or attaching to the bridges. Conduit numbers, material, size, coupling, and transitioning in and out of junction boxes will comply with the plans and specifications. Conduits will be tested, cleaned, and capped after installation. Mule-tape and tracer wire will be installed as necessary for power and fiber optic conduits.
- Cable/Fiber routing: Fiber optic cables will be installed underground according to the approved routing plans and manufacturer's recommendations and VDOT 2020 Road and Bridge Specifications. The installation method will be discussed with the Engineer. Prior to installing the cable in an existing conduit, the conduit will be tested to ensure its integrity. Cables shall be identified and tagged appropriately as VDOT or tolling fiber.
- **Connection Termination:** At the locations shown in the plans, the cable will be spliced or terminated using pre-terminated patch panels. All splices will be contained in the splice enclosure.

Structure Fabrication | Sign structures will be fabricated per the approved designs. Compliance with the design plans and materials will be verified by the fabricator and the Contractor. Coordination will be made with the Department for an inspection of each structure assembly prior to installation.

Structure Installation | After verification and validation of the structures, they will be installed at each site following VDOT Road and Bridge Standards.

- For new structures, a minimum vertical clearance of 19' will be maintained over all roadways and shoulders during and after construction. For structures being re-used, the existing minimum vertical clearances will be maintained.
- In general, the structures will be hot-dipped galvanized steel in accordance with VDOT and RFP Special Provisions.
- All base plates will have a minimum of six (6) 1 ½-inch diameter anchor bolts.
- Structure uprights will be bolted to the foundations prior to erecting and attachment of the truss and sign.

foundations for these structures will be placed outside of the clear zone or behind guardrail or concrete barriers, and/or behind the sound walls, in accordance with VDOT and RFP requirements. When mounted in the ground, they will be located behind the deflection zone of the guardrail or concrete barrier. The selection of guardrail vs. concrete barrier protection will be made to meet VDOT criteria for protection of obstructions within the clear zone.

Test bores All structure location test bores will be completed to evaluate soil condition for the proposed structure design. The test bores will be performed for all overhead sign structures, CCTV Poles, and MVD Poles.

Foundation Design & Installation | Typically, the foundations for overhead sign structures, gantries, and poles will consist of reinforced concrete caissons or spread footings, in accordance with VDOT Road and Bridge Standards. Where, structure foundations are to be installed in the median barriers, the barrier design will be modified to accommodate the installation of foundations.

ITS Integration and Testing

The DBT will develop project specific Integration and Testing plans as specified in the RFP. The Testing and Integration Procedures (TIP) will be developed for each device type such as DMS, CCTV, etc. and submitted for approval. The DBT team member Iteris has experience with VDOT and other state agencies throughout the nation in integration of ITS. The Iteris approach uses a combination of testing approaches to assure that new components operate properly as soon as they are placed into service in existing and enhanced settings. The testing process is progressive and comprehensive. Factory tests and first article tests are used to demonstrate that COTS components perform in keeping with the documentation of the vendor. Component tests performed in isolation are used to assure that developmental items meet the needs of the system. With COTS components







and developmental components demonstrated as acceptable, the testing process proceeds to an integrated test in a laboratory environment. Depending on the difficulty of establishing a realistic laboratory test setting, portions of the operational system may be used to support testing, while limiting risk to operational system performance degradation or visibility of testing artifacts to the public. As components are deployed, installation tests are executed to assure proper performance of each component in the field. The final phase of testing is an acceptance test with all components deployed in operational settings, again limiting the visibility and impact of testing to traffic operations. Following acceptance testing, a period of initial operations will be supported with enhanced monitoring and frequent interaction with customer management.

The test planning efforts first establish a framework of tests to be completed. The framework is followed by detailed plans and procedures for each step of the testing and initial operation process. All documents and plans are coordinated with customer management and engineering representatives prior to execution of the plans. Any defects or performance issues identified during integrated testing will cause a repetition of component or subsystem tests to isolate the issue for repair, followed by regression testing of subsequent steps to verify correction of the issue without introduction of unintended side effects.

ITS Operations Continuity

The DBT is committed to efficient completion of the Project while minimizing impacts to the traveling public and VDOT. Our schedule and sequence of construction has been designed to work with as little disruption as possible while bringing devices online as we progress to allow the benefit of early use of the installed devices. The ideas we specifically will address in this section include:

- Our team has completely examined the corridor and will install devices, such that they will provide maximum functionality while minimizing the need for lane closures during construction and for future maintenance.
- Any impacts to existing devices and infrastructure have been identified and temporary infrastructure will be provided to minimize the disruptions to the operations.
- We will coordinate project construction activities with VDOT staff to maximize continued operation of existing ITS components on I-64.

Coordination with HRBT Project

The DBT team understands the construction timeline for the adjacent HRBT Project (I-64 HREL Segment 1). The HRBT project limits overlap with Segment 4C Project. There are several ITS / Signing Structures and Equipment that will be installed as part Segment 1 within the Segment 4C project limits.

The following structures that are to be installed in Segment 1 conflict with the Segment 4C Project.

Overhead Span Structures | HRBT's approved for construction (AFC) plans show full span overhead sign structures at STA 760+50, STA 768+50, STA 777+17 (EB), and STA 1777+27 (WB) that will house multiple signs including some DMS / static signs shown on Segment 4C RFP plans. We will coordinate with Segment 1 to maintain these proposed overhead sign structures, where feasible and install the additional signs as shown on Segment 1 AFC plans during the construction along Segment 4C.

Segment 1 AFC plans proposed an EB sign structure that will house, overhead flashers, and several static signs that are in conflict with the proposed Toll Gantry and its associated equipment at STA 785+14. In addition, there is separate WB overhead sign structure that will house 2 static signs as shown on the Segment 1 AFC plans. Segment 4C will design and build a Toll Gantry to house the associated toll equipment as well as relocate the signs from the previously installed sign structures in Segment 1. We will coordinate with Segment 1 to relocate the proposed overhead signs and flashers as shown on the RFP plans.

Signs

Approved signs will be installed at their designated locations according to the approved plans. Signs will be installed after the structure's foundation and uprights are in place. To minimize the duration of road-closure, the sign will be attached to the truss while both assemblies are on the ground and then attached to the uprights.

Approved signs are installed in conjunction with or after completion of structure installation. Uprights or vertical support columns are bolted to the foundations. Signs are attached to the truss on the ground and then the truss is connected to the uprights. Once new signs are in place, decommissioned signs will be removed or covered until removal. Signs not put into immediate use will be covered. All installations and covering/uncovering are conducted in accordance with the MOT phasing plan.

In addition to monthly CPM updates, DBT best practices include preparing detailed 4 and 10-week look ahead schedules that will be shared with all adjacent projects. This allows for operational coordination among various projects and our simplified MOT scheme streamlines SWM and ESC coordination between adjacent projects.

4.5.2 Transportation Management Plan

The DBT is committed to minimizing traffic impacts to the traveling public and all stakeholders throughout the construction of the project. Our team has developed the Transportation Management Plan (TMP) and the Maintenance of Traffic (MOT) plans







with emphasis on maximizing safety for the traveling traffic will be systematically diverged from point of public and construction personnel while focusing on minimizing travel delays throughout all stages of construction. To accomplish these safety and public mobility goals, our team is committed to mitigation and communication strategies that exceed the requirements of the RFP. Some of these strategies are detailed on the following pages.

Our team understands that this project is classified as a Type C, Category V project in terms of the TMP. The TMP for this project will be developed per the VDOT IIM-LD-241/IIM-TE-351 and designed in accordance with the methodology provided in the Virginia Work Area Protection Manual; the Manual on Uniform Traffic Control Devices; and the Virginia Supplement to the Manual on Uniform Traffic Control Devices. The TMP will be designed using a design speed matching the existing posted speed limit. The TMP will include a Temporary Traffic Control Plan, a Public Communication Plan and a Transportation Operations Plan (TOP) in order to reduce multi-modal traffic impacts, improve safety, and enhance coordination within and around the work zones. The DBT will work with VDOT and emergency management personnel to ensure all emergency needs can be met in emergency or hurricane evacuation events. The DBT will develop renderings and visualization exhibits to facilitate public understanding of the concept. The DBT will implement a robust outreach and communication plan with the residents and other stakeholders and provide advance notices for all MOT phases and lanes shifts, closures, etc.

The proper planning of construction activities is critical in promoting worker and traveler safety as well as in preventing unreasonable travel delays and vehicular queues. Our personnel involved in the design and implementation of the work zones are experienced with this corridor and are certified with VDOT Advanced and Intermediate Work Zone Training.

DBT's cross-functional team of experts have interfaced to identify, support and lead all critical construction activities, including TTC zone and staging requirements. Our solution facilitates all MOT activities with minimal impact to the traveling public. For instance, our team will provide detailed plans including TTC design, acceleration/deceleration lanes, temporary pavement, temporary barrier walls and additional signage to safely guide construction equipment and material deliveries in and out of the work zone areas. Temporary drainage will be constructed to safeguard travel lanes from water ponding during storms. Significant advantages of our MOT plan is that it provides an alternative solution to detour/diversion and reduces project delivery timeline, supports seamless integration of lanes, offers separation between opposing traffic for safety, minimal construction phases, offers direction on how

interest before it causes bottleneck, meets or exceeds VDOT requirements, and requires minimal effort by the traveling public.

4.5.2.1 Maintenance of Traffic through All Phases of Construction

The MOT scheme developed by the DBT minimizes impacts on public and stakeholders, minimizes congestion while significantly improves safety of the traveling public and construction personnel by completely separating the traveling public from the construction area. The DBT has already performed the preliminary VISSIM analysis of all MOT phases which shows acceptable LOS and corridor travel times The DBT will run additional microsimulations during final design of all MOT schemes to support our Type C TMP. The MOT scheme has been optimized to minimize impact on the mainline I-64, interchanges, and adjacent roadways. The MOT allows the interchanges to be kept open and minimizes the need for any detours. It improves traffic operations, corridor mobility, and safety by providing consistent traffic patterns and eliminates implementation of multiple lane shifts and MOT phases that can cause traffic delays, safety issues, and driver confusion. It provides a large continuous construction area which improves safety for the traveling public and the work force, permits the staging of equipment and materials, and expedites the construction schedule. It facilitates inside and outside widening of the roadway and bridges and allows the substructure work for both EB and WB Hampton River Bridge to conducted efficiently. In addition, it eliminates/reduces the need for temporary work bridges on Hampton River.

Another important element is coordination with adjacent construction projects including HRBT, HŘEL Segment 4A/4B, HŘEL Segment 1A, North King Street Section 4 and Replace Delaminated OH sign panels. Based on these important considerations, to complete the construction of this project in a safe and efficient manner, our team has developed three major MOT phases.



Figure 4.5.2.1: Existing Conditions

This allows work to be constructed along the entire 2 ½ mile corridor. The three major MOT phases are:

- **1. Phase 1:** Move All Traffic on I-64 EB / Reconstruct WB I-64
- 2. Phase 2: Move All Traffic on I-64 WB /







Reconstruct EB I-64

3. Phase 3: Reconstruct Median Barrier I-64

Phase 1

Phase 1 consists of three sub phases: Phase 1A, 1B, & 1C. Phase 1A will include the preparation work and includes upgrade of the outside shoulders of I-64 EB utilizing milling and paving by using temporary lane closures during the allowable lane closure hours.

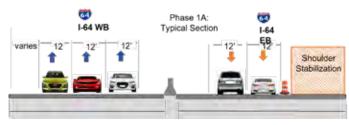


Figure 4.5.2.2: MOT Phase 1A

Phase 1B will make the traffic to two lanes in each direction on I-64 mainline to allow the removal of the median barrier, construction of crossovers, and temporary reconstruction of the median to support the lane widths.

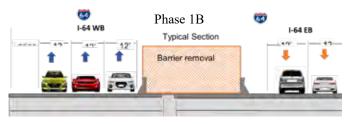


Figure 4.5.2.3: MOT Phase 1B

In Phase 1C will include shifting all traffic (both EB and WB) on the EB Roadway and bridges. This will be accomplished by providing a consistent roadway cross section on mainline I-64 through the project area with Two lanes in WB Direction and Two lanes in EB Direction on I-64 mainline. To implement this phase, the 2 WB Lanes exiting the HRBT will be continued west and the third lane that starts west of Mallory Street Interchange will be closed so that a consistent 2 lane WB section continues west. Right lane on EB mainline I-64, approximately 0.2 miles east of LaSalle Ave will be closed to maintain 2 lanes in EB direction on I-64. Traffic will be shifted from WB lanes to the EB side and the WB I-64 roadway and bridges between Settlers Landing and LaSalle Ave Interchange will be closed. All entrance and exit ramps to Settlers Landing/Rt 60, LaSalle Ave and Rip Rap Rd will be kept open. Emergency pull-off areas will be provided if 9' shoulders are not available within a 1-mile corridor of the channelization. Once all traffic (both WB and EB) has been shifted on EB Roadway and Bridges, the closed section of the WB I-64 roadway and bridges will be widen/ reconstructed.

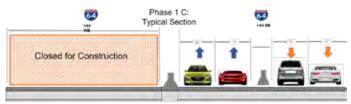


Figure 4.5.2.4: MOT Phase 1C

Phase 2

Phase 2 includes two subphases: Phase 2A & 2B. Phase 2A will split traffic to accommodate two lanes of traffic for both directions to allow the reconstruction of the crossovers and repositioning of temporary median barrier as required. Once the crossovers are completed all lanes of traffic will be to I-64 WB.of the channelization. Once all traffic (both WB and EB) has been shifted to WB Roadway and Bridges, the closed section of the EB I-64 roadway and bridges will be widened/reconstructed including the demolition/reconstruction of the EB Hampton River Bridge.



Figure 4.5.2.5: MOT Phase 2A

Phase 2B begins once crossovers are completed. All traffic lanes (both EB & WB) will be shifted I-64 WB. This phase will also provide a consistent roadway cross section on mainline I-64 through the project area with Two lanes in WB Direction and Two lanes in EB Direction on I-64 mainline. Once all traffic has been shifted to the new constructed WB side, the East side roadway and bridges will be closed between LaSalle Ave Interchange and Settlers Landing Interchange. All entrance and exit ramps to Settlers Landing/Rt 60, LaSalle Ave and Rip Rap Rd will be kept open. Emergency pull-off areas will be provided if 9' shoulders are not available within a 1-mile corridor of the channelization. Once all traffic (both WB and EB) has been shifted on WB Roadway and Bridges, the closed section of the EB I-64 roadway and bridges will be widen/reconstructed including the demolition/reconstruction of the EB Hampton River Bridges.

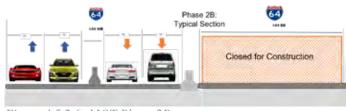


Figure 4.5.2.6: MOT Phase 2B







Phase 3

Phase 3 will consist of two phases: Phase 3A and Phase 3B. Phase 3A will begin after the completion of Phase 2 which included reconstruction of EB roadway and bridges. In Phase 3A, EB I-64 traffic will be moved back to the newly reconstructed EB side. Phase 3A, will also provide a consistent roadway cross section on mainline I-64 through the project area with Two lanes in WB Direction and Two lanes in EB Direction on I-64 mainline, such that these lanes are provided on the outside section of the mainline while keeping the center section (inside shoulder and two inside lanes) closed for construction of lane shift/transition areas, the permanent concrete barriers, ITS, and other remaining work in the center section of I-64.



Figure 4.5.2.7: MOT Phase 3A/B

Phase 3B will start after the completion of Phase 3A. In Phase 3B, will begin once the median work is completed. After the median work is done, in Phase 3B final construction activities will take place including milling, overlay, pavement markings and roadway finishes to open traffic on I-64 EB & WB with the new toll lanes.



Figure 4.5.2.8: Final Condition Post Construction (East of King street)

Completion of Phase 3B, will mark the end of the MOT and completion of construction after which the traffic can be transition to the final required configuration as prescribed in the RFP with shoulders, Express Lane(s), and General-Purpose lanes

Proposed Lane and Ramp Closures

Lanes closures will follow the requirements of the RFP in particular Section 2.10.3 "Lane and Road Closure Restrictions". The MOT scheme developed by the DBT requires closure of one EB lane and one WB lane on mainline I-64, such that there are two lanes in EB and 2 lanes in WB direction between LaSalle Ave Interchange and Mallory Street Interchange. To implement the MOT, the

2 WB Lanes exiting the HRBT will be continued west and the third lane that starts west of Mallory Street Interchange will be closed so that a consistent 2 lane WB section continues west. Right lane on EB mainline I-64, approximately 0.2 miles east of LaSalle Ave will be closed to maintain 2 lanes in EB direction on I-64. Traffic will be shifted from WB lanes to the EB side and the WB I-64 roadway and bridges between Settlers Landing and LaSalle Ave Interchange will be closed. This lane closure will be throughout the length of the construction. The MOT does not propose any long-term ramp closures. Temporary lane closures on ramps will be needed during ramp reconstruction, however, these closures will be in accordance with the requirements of the RFP and will not be for an extended period.

Temporary Detours

The DBT has developed the MOT and the construction access to diminish impacts to the traveling public, local community, and other stakeholders. Construction will be staged in order to maintain safe passage through the work zone. At this time, no long-term detours are expected. The reconstruction/widening of the mainline bridges over Riprap Road, King Street, Settlers Landing, River Road, and Pembrooke Ave may require temporary detours on these streets. However, these will be short term and there are no closures anticipated except for short-term flagging operations. Detour routes will be addressed in a contingency plan should any unforeseen conditions present themselves within the work zone. The DBT will continue to foster a close relationship with key stakeholders. Courtesy alternative route directions to maintain traffic and regard traveling public's concerns/ preferences will be provided.

In addition, any necessary river closures will be closely coordinated in advance with VDOT, USCG, USACE, and river users.

Time-of-Day Restrictions

The Team will adhere to the RFP requirements for the time of the day restrictions for allowable lane and shoulder stabilization. The expansion activities for I-64 EB and WB Hampton River bridges will have no restriction of work hours after closure. The closure activities will also abide by the RFP time restrictions. This will be included in the Public Communication and Incident Management Plan along with updates to VDOT's Regional Traffic Operations Center.

Limiting Disruptions to Vehicular, Marine, and Railroad Traffic

The DBT has developed the Sequence of Construction with focus on minimizing traffic impacts to the traveling public and all stakeholders throughout the construction of the project. The MOT plan developed by the DBT minimizes travel delays throughout all stages of construction and is explained in detail later in the document. The project area has







one railroad track near Spring Road. However, the DBT does not anticipate any work near the tracks or any disruptions to the railroad. The DBT during construction will ensure that work in the Hampton River limits impacts to marine traffic. Currently Hampton River in the project area does not have large commercial shipping activities. The River channel is mostly used for recreational purposes. The DBT will work with the river users, VDOT, USCG, and related agencies to ensure impacts to river traffic are minimized. The DBT plans to eliminate marine traffic stoppages for overhead demolition and construction activities by temporary relocating the navigation channel under the bridges, eliminating potential boating delays.

Flagging Operations

The DBT will employ flagging operations at all locations as needed. Flagmen will be used when any construction traffic or adjacent/overhead work could pose a potential safety hazard on the project and to the traveling public. Any construction activities and temporary detours on Riprap Road, King Street, Settlers Landing, River Road, and Pembrooke Ave will be accompanied by flagging operations.

Minimum Lane Widths

The DBT's MOT Plan adapts the RFP lane requirements and provides 12-foot-wide travel lanes on mainline I-64 as required by the RFP during construction. Lane width and separation requirement is achieved by stabilizing the shoulder on I-64 EB.

Work Zone Speed Restrictions

The TMP will be designed using a design speed matching the existing posted speed limit per the requirements of the RFP Section 2.10 "Transportation Management Plan". Our TMP and MOT plans do not require any work zone speed reductions. All temporary lane shifts and mergers will be designed for the full posted speed limit and all temporary geometry and shifts will meet the standards for full posted speeds.

Construction Entrances

The MOT plan developed by the DBT allows the construction entrances to be placed in areas that maximize the safety of the traveling public and construction workers. The construction ingress and egress points are strategically placed within the project limits prioritizing safety and operations. Our enhanced MOT scheme provides construction vehicle access to the work zones at the project termini with appropriate zones for deceleration and acceleration within the closed roadway section instead of using temporary mainline I-64 lane closures to create these zones.

All access points will be marked for easy identification and include advance warning notification and acceleration/deceleration areas with positive protection barrier so that construction

traffic has the least amount of impact to the traveling public. The access points are identified graphically on our MOT plans in Volume II.

Public Communication during TMP

The Public Communication Plan (PCP) will be another major component of the TMP developed by the DBT. Our team believes that a comprehensive public outreach plan is needed for the success of this project that can provide timely, accurate, and reliable information to all the users and stakeholders. The PCP for the TMP will also be included in the overall Communication Plan for the project. The communication plan will be developed with focus of ensuring that timely information dissemination to all users, stakeholders, emergency response personnel throughout the project. For example, before each MOT phase is implemented, drive thru simulations (Video Graphic Models) will be developed and given to VDOT's Public Outreach Team for public information. The plan will include details regarding the level of information, type of information, frequency, method, and recipients of the information. Various communication methods including video-3D modeling, newsletters, project brochures, websites, social media, press releases, and media campaigns may be used to communicate information to the public including new traffic patterns, traffic shifts, detours, alternative routes, travel times and delays, and project schedule. All of these tools will be made available to VDOT's Office of Communications and distributed as requested. The DBT will ensure all communications especially media campaigns and press releases receive VDOT's approval.

The main elements of the of the public communication plan will be:

- Virginia 511 Notifications
- Use of Virginia State Police
- Portable Changeable Message Signs
- Target Audiences and Key Stakeholders
- Communication Partners
- Crisis Communications/Risk Management Plan

In order to provide consistent and predictable information, the DBT will prepare and provide 4 and 10-week look ahead schedules to supplement our CPM updates. The communication team will coordinate regularly The communication team will coordinate regularly with the homeowner associations, individual homeowners, civic associations, businesses, state and local agencies, utility providers, federal agencies, and other stakeholders during both design and construction. The DBT will host Pardon our Dust and related public meetings on behalf of VDOT.







The Design-Build Team (DBT) has provided a Proposal Schedule and Proposal Narrative demonstrating our understanding of the complexities and interrelationships of the technical elements of the Project. We will improve the delivery of the project by achieving the interim milestone and final completion dates earlier than required. For additional benefit we offer a unique milestone associated with removal of all temporary construction works in the Hampton River by February 28, 2026. PDF copies of the Proposal Schedule and narrative as well as a back-up copy of the Proposal Schedule's source document has been provided in XER format.



Figure 4.6.1.1: DBT and VDOT "what if" scenarios during Monthly Progress I-95 RRC Progress Meeting

4.6.1 Project Schedule

The DBT has developed a Proposal Schedule (located in Volume II), which incorporates the internal plan reviews, VDOT plan reviews and approvals, environmental permitting and constraints, right of way acquisition, utility relocation, required submittals to include shop drawings, construction activities and QA/QC inspection and testing. RFP Section 2.3.1 provides Interim and Final Completion Milestones. Our Interim Milestone Date of 6/10/2026 beats the RFP requirement of July 2, 2026 by twenty two days. Our Final Completion Date of 12/10/2026 beats the RFP requirement of 12/30/2026 by twenty days. Additionally as a benefit to the users of the Hampton River, we commit to a Unique Milestone to remove all temporary construction works from the Hampton River by February 28, 2026. In addition to the accelerated delivery, the DBT is providing several schedule related enhancements as summarized with their specific benefits on Table 4.6 provided on the next page and identified throughout this section by blue font.

The Proposal Schedule depicts the DBT's proposed overall sequence of work and duration for each work task and deliverables required to complete the Project. The schedule is organized using a hierarchical Work Breakdown Structure (WBS), divided into six major segments of the Project as indicated in the below figure.



Figure 4.6.1.2: Six major segments of the Project







| | 4.6 Schedule Enhancements | | | | | | | |
|--------------------------|---|---|---|---|---|---|---|----------|
| | Safety For The Traveling Public, Construction Operations And The Environment | | | | | | | |
| | Operations And Coordination With Adjacent Projects | | | | | | | |
| Danasta P | Schedule | | | | | | | |
| Benefits & Enhancements | hancements Constructability with Focus On Constrained work Zones in An Orban And Marine Environment | | | | | | | |
| | Outreach, Stakeholders and Public Acceptance | | | | | | | |
| | Future Inspection, Maintenance And Asset Performance | | | | | | | |
| | Cost | | | | | | | |
| | Optimized sequence of construction will enable the DBT to deliver the project by 12/10/2026, twenty days earlier than the Final Completion required in the RFP | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ |
| Milestones | Optimized sequence of construction will enable the DBT to achieve the interim milestone by 6/10/2026, twenty two days earlier than the dates required in the RFP | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ |
| | The horizontal alignment shift at B-673 I-64 EBL will allow expedited installation and removal of temporary works in the Hampton River enabling the DBT to provide the unique milestone of having all temporary construction works removed from the river by February 28, 2026. | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ |
| | There are no VDOT activities on the critical path. | | | ✓ | ✓ | ✓ | ✓ | |
| Risk Allocation | During our monthly progress meetings with VDOT, the DBT will provide monitor screens to view our CPM in real time instead of just reviewing static PDF or printed hard copies. This lets the Project team run real time "what if" scenarios to see the effect on critical path or other key dates. | ✓ | | ✓ | ✓ | ✓ | ✓ | |
| Scope Validation | During the RFP phase the DBT has already developed a preliminary geotechnical investigation plan that identified any gaps in available data so that additional borings and analysis can be completed within the 120 day scope validation period. | ✓ | | ✓ | ✓ | ✓ | ✓ | |
| Limited NTP for Design | The Construction Joint Venture of Wagman-Fay SE is assuming risk by issuing a Limited Notice to Proceed (LNTP) to the Lead Designer, EXP. upon receipt of VDOT's Notice of Intent to Award. The LNTP authorizes EXP to begin key design and permitting activities. | ✓ | | ✓ | ✓ | ✓ | ✓ | |
| Public Involvement | In addition to the community and public information meetings required by the RFP, the DBT will host meetings prior to the implementation of each major traffic phase. The DBT will develop drive thru simulations (Video Graphic Models) and provide to VDOT for appropriate use. | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| F ' (1 | The CPM identifies and accounts for all environmental commitments, TOYR, and permit conditions/requirements. | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| Environmental | Our sequence of construction does not require any dredging minimizing environmental impacts and time frames to obtain permit approvals. | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ |
| SWM | Underdrains will be inspected by a third party not involved in design or construction. Inspections will be performed, reviewed, and provided to VDOT after intermediate asphalt is complete and prior to transitioning to subsequent MOT phases. Our QA/QC Plan and CPM identify these inspection activities eliminating out of phase rework. | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Right of Way | In addition to including the appropriate ROW activities and hold points in the CPM, the DBT has coordinated with construction in locations such as B-674 east abutment in the vicinity of the golf course to minimize Right of Way impacts. | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | The CPM has been developed with no utilities on the critical path. | | | ✓ | ✓ | ✓ | ✓ | |
| Utilities | DBT will develop and share 3D Models and visualizations with the utility owners to ensure conformance and compatibility between P&Es, our plans and construction. DBT will inspect as built (using geospatial survey equipment) all utility relocations as they are being performed within the project limits to ensure they are in conformance with the P&E and allowable tolerances and the work is performed correctly the first time eliminating timely or out of phase rework. | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | The DBT will hold bi-monthly meetings with all utility owners to review status of P&Es and update our CPM accordingly. | ✓ | | ✓ | ✓ | ✓ | ✓ | |
| Construction Approach | Our MOT phasing requires only 3 major phases and the traveling public will be completely separated from construction areas providing contiguous areas of existing I-64 for staging and more efficient construction the full length of the project. | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | DBT has local resources including active marine operations that are experienced in the safe & efficient construction of projects of similar scope and complexity. DBT has the ability to self perform all activities of work that are critical to control schedule, or recover schedules negatively impacted by others. Over the last 40 years, we have developed relationships with local subcontractors and vendors that will supplement our internal crews to maintain the project schedule. | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ |
| Coordination | In addition to monthly CPM updates, DBT will include detailed 4 and 10-week look ahead schedules that will be shared with adjacent projects. This enhances operational coordination among projects and provides accurate & predictable information for use in public outreach. | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ |







4.6.2 Project Schedule Narrative

In addition to the technical elements, this narrative also describes the DBT's plan to accomplish the work including, but not limited to, the overall sequencing, a description and explanation of the Critical Path, proposed means and methods, and other key elements upon which the Proposal Schedule is based.

Schedule Development

The DBT has reviewed in detail the scope and schedule requirements outlined in the RFP and has developed a Proposal Schedule outlining our plan to successfully manage all phases of the I-64 Segment 4C Project and build upon our existing partnerships with VDOT and other stakeholders to safely deliver the project in an expedited manner. The Proposal Schedule does not include any VDOT activities on the critical path.

| Project Milestones | | | | | | | |
|--|------------|--|--|--|--|--|--|
| Notice of Intent to Award | 6/24/2022 | | | | | | |
| Notice to Proceed | 8/1/2022 | | | | | | |
| Begin Physical Work | 1/3/2023 | | | | | | |
| Start Work on B-674 | 8/21/2023 | | | | | | |
| Start Work on B-673 | 11/15/24 | | | | | | |
| Remove Temporary Construction Works from River | 2/28/26 | | | | | | |
| Achieve Interim Milestone | 6/10/2026 | | | | | | |
| Final Project Completion | 12/10/2026 | | | | | | |

Work Breakdown Structure

The DBT has organized the schedule into a hierarchical Work Breakdown Structure (WBS) to demonstrate the relationship and activity durations amongst the milestones, scope validation period, design, public involvement, environmental permitting, ROW acquisition, utility relocation, construction, and project management disciplines for the I-64 HREL Segment 4C Project. The following is a summary of our schedule organization followed by the complete WBS listing in Table 4.6.1.

Project Milestones: This section provides for quick review of project milestones and overall status.

QA/QC Plan: This section contains QA/QC Milestones.

Design: Includes preliminary engineering services, plan development, QA/QC reviews, submittal milestones, internal reviews, VDOT plan reviews and approvals, other regulatory agency reviews.

Environmental: This section includes hazardous material plan development and inspections, threatened or endangered species surveys and relocations, permit development and acquisition, noise abatement and VDHR reviews.

Right-of-Way: This section includes all work necessary to obtain the ROW required by the DBT's design including limited access modifications, hold points, appraisals, reviews, negotiations and clearing of ROW. As we prepare our Baseline CPM we may further break down the project ROW into packages to facilitate prioritization and tracking of critical parcels.

Utilities: This section contains all Utility designations, coordination, design, relocation, and as-builts anticipated by the DBT's design and the Proposal Schedule has been developed with no utilities on the critical path. As we develop our Baseline CPM we will further refine our utility relocation requirements to ensure and track priority relocations.

Public Involvement: This section includes the public outreach plan, updates and meetings. This section will be further refined as we develop and update the Baseline CPM during the course of the project.

Construction: Includes all components of roadway and bridge construction as well as MOT, construction access, noise barriers, and drainage. This section is further broken down to show the DBT's logical progress of work.







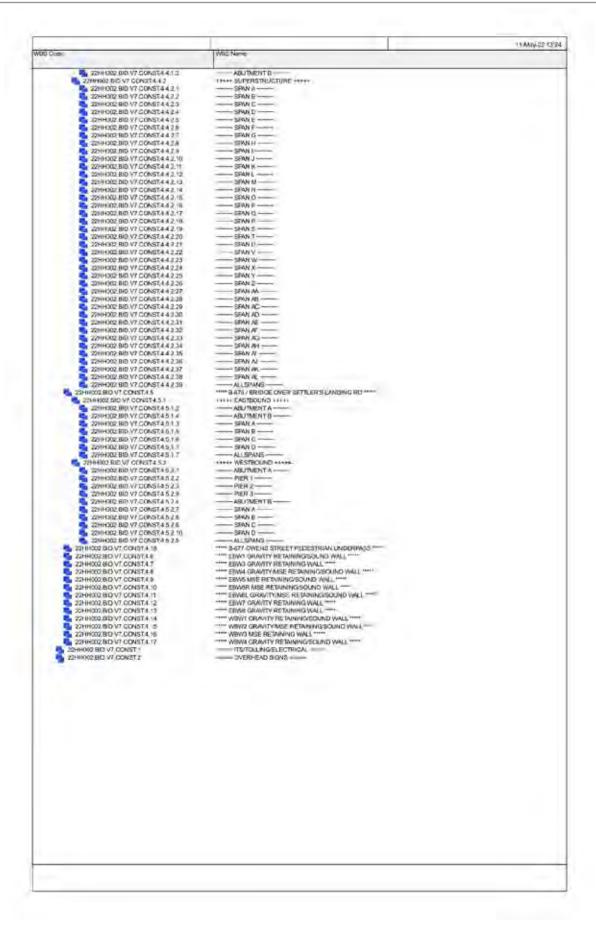
Table 4.6.1 Work Breakdown Structure

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Calendars

The DBT has incorporated seven (7) calendars into the Project

SUBMITTAL DEV/REV

ASPHALT PAVING
BRIDGE DECK
PLANTING
S@8H, W
CALENDAR DAY
CURE

 "CALENDAR DAY" This calendar is based on seven (7) working days per week, 24 Hr. Days. This calendar holds every day as a work day. This calendar has been assigned to all administrative, design, and review activities. For example, this calendar has been assigned to VDOT's 21 calendar day review activities.

"CURE" This calendar is based on seven (7) working days per week, 24 Hr. Days. This calendar is used for concrete cure time, generally

28 days.

• "5@8 H, W" This calendar is based on five (5) working days per week, 8 Hours/ Days with non-work days for weather. In addition to weekends, this calendar designates all major holidays and the days between Christmas and New Years as non-working days. This calendar is used for all production activities that are affected by weather.

"PLANTING" This calendar is based on five (5) working days per week, 8 Hours/ Days with non-work days for weather, weekends, and major holidays as non-working days. In addition, this calendar blocks out the restricted planting season from March 16th to October 14th each year. This calendar is used for all tree and shrub planting

activities.

"BRIDGE DECK" This calendar is based on five (5) working days per week. In addition to weekends and major holidays, this calendar also designates the period from November 25th to April 1st as non-working days. This calendar has been assigned to all concrete-related bridge superstructure construction activities such as bridge deck and parapet wall pours that are effected by winter weather conditions.

• "ASPHALT PAVING" This calendar is based on five (5) working days per week. In addition to weekends, regular weather days and major holidays, this calendar also includes additional weather days during winter months. This calendar has been assigned to all roadway paving activities such as the installation of base, intermediate, and

surface asphalt.

• "SUBMITTAL DEV/REV" This calendar is based on five (5) working days per week and restricts work on weekends and major holidays.

Our project schedule incorporates the following holidays:

• New Year's Day Holiday – Holiday from 7:00AM December 31st until 7:00 AM the next work day following New Year's Day, unless the holiday occurs on a Sunday. If holiday falls on Sunday, then Monday will also be considered a holiday, and work will not occur until 7:00 AM on Tuesday.

• Easter Holiday – Holiday from 7:00AM on Good Friday until 7:00 AM on the Monday following

Easter Sunday.

Memorial Day Holiday – Holiday from 7:00AM on Friday prior to Memorial Day until 7:00 AM on

the Tuesday following Memorial Day.

Independence Day Holiday – Holiday from 7:00AM on the day prior to July 4th, until 7:00 AM the next work day following July 4th unless the holiday occurs on a Sunday. If holiday falls on Sunday, then Monday will also be considered a holiday, and work will not occur until 7:00 AM on Tuesday.

Labor Day Holiday – Holiday from 7:00AM on the Friday before Labor Day until 7:00 AM on the

Tuesday following Labor Day.

 Thanksgiving Day Holiday – Holiday from 7:00AM on the Wednesday before Thanksgiving Day until 7:00 AM on the Monday following Thanksgiving Day.

 Christmas Day Holiday – Holiday from 7:00AM on the day prior to December 25th until 12:00 PM

the day after December 25th.

Plan to Accomplish the Work

The narrative below describes the DBT's project delivery plan grouped by major Work Breakdown Structure (WBS) divisions. These include quality control, design, geotechnical investigation, right-of-way acquisition, environmental investigation & permitting, utility relocation, public involvement, and construction. The overall project delivery sequence was developed based on the roadway and bridge improvement concepts shown in the RFP, along with the MOT, geotechnical, environmental, existing utility, and end user requirements identified by the RFP and the DBT. The DBT divided the project into three (3) major construction phases, each phase contains multiple geographic areas.

Design Phase

During the RFP phase the DBT has already performed the following analysis: preliminary analysis of 30 year design life to validate the minimum pavement section, structural capacity of existing roadway shoulders, applications for positive roadway subgrade drainage, verified all water quality requirements have been met with identified nutrient credit purchase, analyzed bridge structures for construction loading satisfying 107.21(d), and performed preliminary VISSIM analysis of all MOT phases showing acceptable LOS and corridor travel times. This advanced work will expedite the overall design development, submittal and approval schedule.







The DBT will finalize the design from the current RFP documents including the proposed enhancements and ATC 001 (B-674 I-64 WBL over Hampton River Pier 9 extension) to obtain approval on the Release for Construction (RFC) plan set. Design activities will include surveying, roadway design, bridge design, retaining wall design, noise barrier walls, traffic control, MOT plans, ITS, signs, signals, guardrail, pavement markings, drainage design, design of SWM facilities, geotechnical investigation (including borings and analysis), materials analysis, hydraulic design, pavement design and landscape architectural features. The project will be delivered by completing roadway design in two phases of design: ROW design, and final design (RFC). Structure plans will have a Stage 1 and Stage 2 submittal. Design-related activities to be performed during each phase are outlined below.

ROW Design submittal activities will focus on expanding the RFP documents and the proposed enhancements. In addition to including the appropriate ROW activities and hold points in the CPM, the DBT has coordinated with construction in locations such as B-674 east abutment in the vicinity of the golf course to minimize Right of Way impacts.

The DBT will perform numerous independent studies • of the information contained in the RFP documents to confirm that the information provided to date is correct, suitable and adequate for use in designing the project. These additional studies will include performing supplemental field surveying to confirm horizontal and vertical control of key project features • verifying type and location of existing subsurface utilities; performing legal research to confirm existing ROW and property limits, and performing a thorough geotechnical field investigation to confirm geotechnical and pavement subgrade conditions for the bridge foundations and roadway design. The findings of these studies will be summarized in a series of reports and, if discrepancies occur between the information in the RFP documents and the DBT studies, these results will be presented to VDOT for review and evaluation as outlined in the Scope Validation process for the project.

Roadway plans will be developed including performing geometric design; preparing cross sections and defining limits of construction; completing SWM and E&S control design; preparing plans for traffic control devices as well as a TMP; and completing the preliminary bridge plans working closely with the geotechnical engineers. Required ROW limits will be evaluated and depicted on the plans, and preliminary utility relocation plans will be prepared. The goal of this submittal is to gain ROW Authorization to proceed with ROW acquisition services on the project.

The ROW, environmental coordination and approval,

and utility relocation plan activities will be developed for individual submissions to VDOT and other regulatory and permitting agencies for review and approval.

Design Plan submittal will occur after receiving ROW design approval with the ROW authorization from VDOT. The DBT will submit the final design plans and reports to VDOT for review and approval. To take full advantage of the accelerated/early construction opportunities afforded by the Design-Build project delivery method, the DBT intends to develop Early Work and Final RFC plan sets as follows:

- The Construction Joint Venture of Wagman-Fay SE is assuming risk by issuing a Limited Notice to Proceed (LNTP) to the Lead Designer, EXP US Services, Inc. upon receipt of VDOT's Notice of Intent to Award. The LNTP authorizes EXP to begin key design and permitting activities. RFC Plan Set for Early Roadway Work Activities
- Clearing, Grading, É&S, MOŤ & TMP Bridge Geotechnical Engineering Report B-676I-64 EBL/WBL over Settlers Landing
- Bridge Geotechnical Engineering Report B-672I-64 EBL/WBL over King St
- Noise Barrier Geotechnical Engineering Report -
- Retaining Wall Geotechnical Engineering Report -WBL
- Bridge Geotechnical Engineering Report B-674 I-64 WBL over Hampton River
- Roadway & SWM Geotechnical Engineering Report Remainder of Work Packages
- Retaining Wall Geotechnical Engineering Report
- Bridge Geotechnical Engineering Report B-673 I-64 EBL over Hampton River
- Roadway & SWM Geotechnical Engineering Report Remainder of Work Packages
- Noise Barrier Geotechnical Engineering Report -
- ROW Plans (Scheduled as two submittals)
- RFC Plans for Remainder of Work Packages (RWP): Final Roadway, Drainage, SWM, E&S, Sound Barrier, Retaining Wall, ITS, Signs, Landscape
- B-677 Owens Street Pedestrian Underpass: Stage I and II Submittals
- Bridge B-659 EBL/WBL over Riprap Rd: Stage I and II Submittals
- D-644 Triple 48" RCP Brights Creek: Stage I and II Submittals
- Bridge B-672 I-64 WBL/EBL over King St: Stage I and II Submittals
- Bridge B-676 I-64 EBL/WBL over Settlers Landing Rd: Stage I and II Submittals
- Bridge B-674 I-64 WBL over Hampton River: Stage I and II Submittals







- Bridge B-673 I-64 EBL over Hampton River: Stage I and II Submittals
- WBL Retaining Walls: Stage I and II Submittals
- WBL Ground-Mounted Sound Walls: Stage I and II Submittals
- EBL Retaining Walls: Stage I and II Submittals
- EBL Ground Mounted Sound Walls: Stage I and II Submittals
- Hazardous Material Phase I ESA
- Asbestos Inspection Report
- Noise Abatement Report

Environmental Permitting activities will begin shortly after receiving LNTP and will include a thorough environmental evaluation and confirmation of the information provided in the RFP documents.

The DBT will prepare a comprehensive environmental management plan that includes a matrix of environmental commitments and compliance requirements that; identifies milestone dates and integrates those into the project schedule; identifies the responsible party; and summarizes requirements.

The final noise analysis will be conducted including the public polling of property owners which are affected and benefited by the effected noise abatement measures.

Final environmental activities will begin immediately after receiving preliminary plan approval from VDOT. At this point in the design, the footprint for the project will be firmly established and the DBT will identify the final environmental impacts required to construct the project in its entirety.

Our sequence of construction does not require any dredging minimizing environmental impacts and time frames to obtain permit approvals.

The DBT will strive to avoid and minimize environmental impacts during design development and construction. A Stormwater Pollution Prevention Plan (SWPPP) will be developed and the registration statement for the Virginia Stormwater Management Permit will be submitted immediately following the SWPPP development.

During the RFP phase, the DBT has performed a detailed analysis of the permitting requirements for this project. The CPM identifies and accounts for all environmental commitments, TOYR, and permit conditions/requirements. Coupled with our collective past experience with projects of similar scope and permitting challenges in Hampton Roads, we have prepared a detail schedule for the permitting efforts, including:

- US Army Corps of Engineers (USACE)
- Joint Permit Application (JPA)
- Virginia Department of Environmental Quality (DEQ)

- Virginia Marine Resources Commission (VMRC)
- US Coast Guard (USCG)

Right-of-Way Acquisition - Starting at LNTP, the DBT will evaluate the proposed ROW, permanent easements, and temporary easements as shown on the plans. If changes are required, either due to a change in the required ROW or a change based on the results of legal research, the DBT will prepare updated preliminary ROW plans and a ROW data sheet and will submit to VDOT for review and approval. Preliminary ROW activities will begin after receiving NTP. The DBT will begin performing the legal research for the identified parcels on the preliminary plans at the same time that our survey crew is validating the survey information provided in the RFP package. Each parcel has an associated milestone in the schedule.

Utility Relocations – The DBT's project schedule includes activities for holding the Utility Field Investigation (UFI) meeting, followed by preparation of the Plan & Estimate (P&E) estimates by the utility owner, approval of the P&E, and construction of the relocation. Although we have already met with each individual utility company to discuss the proposed relocations and prior rights, the utility relocation schedule starts with formal UFI meetings following completion of all utility test pits. This will enable our Team to confirm and adjust our list of utility conflicts based on the field test pit data prior to holding the formal UFI meeting. We will continue this early coordination of utilities throughout the Design Phase of the Project to ensure that our Design Plans are coordinated with the utility relocation plans. The DBT will develop and share 3D Models with visualizations with the utility owners to ensure conformance and compatibility between the P&Es and our plans and construction. The utility relocations are anticipated to be completed prior to impacting construction operations, thus avoiding potential construction delays. During construction, the DBT will inspect and as-built (using geospatial survey equipment) all utility relocations as they are being performed within the project limits to ensure they are in conformance with the P&E and allowable tolerances and the work is performed correctly the first time eliminating timely or out of phase rework

The DBT will hold bi-monthly meetings with all utility owners to review status of P&Es and update our CPM accordingly

Critical Design/Permitting Hold Points have been incorporated in our project schedule as required by the RFP and are shown below.







| VDOT Review & Approval: Bridge Geotechnical Engineering Report B-673 I-64 EBL over Hampton River Review & Approval: Roadway & SWM Geotechnical Engineering Report Remainder of Work Packages (WPs) - EBL Review & Approval VDOT Review & Approval: Roise Barrier Geotechnical Engineering Report - EBL Review & Approval VDOT & EHWA Reviews: EWP Submittal 1: Clearing / Grading / E&S / MOT & TMP 21 VDOT & FHWA Reviews: EWP Submittal 1: Clearing / Grading / E&S / MOT & TMP 21 VDOT & FHWA Reviews: EWP Submittal 1: Clearing / Grading / E&S / MOT & TMP 21 VDOT Review & Approval: Row Plans Submittal 2 VDOT Review & Approval: Row Plans Submittal 2 VDOT Review & Approval: Row Plans Submittal 1: WBL Roadway/Drainage/SWM/Plantings/E&S/Sign/ Marking/Lighting/Signals/TTS/MOT & TMP VDOT/FHWA Reviews: RWP Submittal 2: WBL Roadway/Drainage/SWM/Plantings/E&S/Sign/ Marking/Lighting/Signals/TTS/MOT & TMP VDOT/FHWA Reviews: Submittal 3: EBL Roadway/Drainage/SWM/Plantings/E&S/Sign/Marking/ Lighting/Signals/TS/MOT & TMP VDOT & FHWA Reviews: Submittal 3: EBL Roadway/Drainage/SWM/Plantings/E&S/Sign/Marking/ Lighting/Signals/TS/MOT & TMP VDOT & FHWA Reviews: Submittal 3: EBL Roadway/Drainage/SWM/Plantings/E&S/Sign/Marking/ Lighting/Signals/TS/MOT & TMP VDOT & FHWA Reviews and Approval: Stage IB -677 Owens Street Pedestrian Underpass 21 VDOT & FHWA Reviews and Approval: Stage IB -659 I-64 EBL/WBL over Riprap Rd 21 VDOT & FHWA Reviews and Approval: Stage IB -659 I-64 EBL/WBL over Riprap Rd 21 VDOT & FHWA Reviews and Approval: Stage IB -659 I-64 EBL/WBL over Riprap Rd 21 VDOT & FHWA Reviews and Approval: Stage IB -659 I-64 EBL/WBL over Riprap Rd 21 VDOT & FHWA Reviews and Approval: Stage IB -659 I-64 EBL/WBL over Riprap Rd 21 VDOT & FHWA Reviews and Approval: Stage IB -659 I-64 EBL/WBL over Riprap Rd 21 VDOT & FHWA Reviews and Approval: Stage IB -669 I-64 EBL/WBL over Riprap Rd 21 VDOT & FHWA Reviews and Approval: Stage IB -672 I-64 EBL/WBL over Riprap Rd 21 VDOT & FHWA Reviews and Approval: Stage IB -672 I-64 EB | Planned Schedule Hold Point | Hold Point Duration (Calendar Days) |
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| Packages (WPs) - EBL Review & Approval: VDOT Review & Approval: Noise Barrier Geotechnical Engineering Report - EBL Review & Approval 90 VDOT & FHWA Reviews: EWP Submittal 1: Clearing / Grading / E&S / MOT & TMP 21 VDOT & FHWA Reviews: EWP Submittal 1 21 VDOT Review ROW Plans Submittal 1 21 VDOT Review & Approval: ROW Plans Submittal 2 21 VDOT Review & Approval: Photometric Lighting Analysis & Calculations 21 VDOT, FHWA Reviews: RWP Submittal 1: WBL Roadway/Drainage/SWM/Plantings/E&S/Sign/ 21 VDOT, FHWA Reviews: RWP Submittal 1: WBL Roadway/Drainage/SWM/Plantings/E&S/Sign/ Marking/Lighting/Signals/ITS/MOT & TMP VDOT/FHWA Reviews: StwP Submittal 2: WBL Roadway/Drainage/SWM/Plantings/E&S/Sign/ Marking/Lighting/Signals/ITS/MOT & TMP VDOT/FHWA Reviews: Submittal 3: EBL Roadway/Drainage/SWM/Plantings/E&S/Sign/Marking/ Lighting/Signals/ITS/MOT & TMP VDOT & FHWA Reviews & Approval: RWP Submittal 4: EBL Roadway/Drainage/SWM/Plantings/ E&S/Sign/Marking/Lighting/Signals/ITS/MOT & TMP VDOT & FHWA Reviews & Approval: RWP Submittal 4: EBL Roadway/Drainage/SWM/Plantings/ E&S/Sign/Marking/Lighting/Signals/ITS/MOT & TMP VDOT & FHWA Reviews and Approval: Stage I B-677 Owens Street Pedestrian Underpass 21 VDOT & FHWA Reviews and Approval: Stage I B-659 I-64 EBL/WBL over Riprap Rd 21 VDOT & FHWA Reviews and Approval: Stage I B-659 I-64 EBL/WBL over Riprap Rd 21 VDOT & FHWA Reviews and Approval: Stage I B-659 I-64 EBL/WBL over Riprap Rd 21 VDOT & FHWA Reviews and Approval: Stage I B-674 Feb EBL/WBL over Riprap Rd 21 VDOT & FHWA Reviews and Approval: Stage I B-659 I-64 EBL/WBL over Riprap Rd 21 VDOT & FHWA Reviews and Approval: Stage I B-672 I-64 EBL/WBL over Riprap Rd 21 VDOT & FHWA Reviews and Approval: Stage I B-672 I-64 EBL/WBL over Riprap Brights Creek Beneath I-64 VDOT & FHWA Reviews and Approval: Stage I G-674 I-64 EBL/WBL over King St 21 VDOT & FHWA Reviews and Approval: Stage I G-676 I-64 EBL/WBL over King St 21 VDOT & FHWA Reviews and Approval: Stage I G-676 I-64 EBL/WBL over Settl | VDOT Review & Approval: Bridge Geotechnical Engineering Report B-673 I-64 EBL over Hampton River Review & Approval | 90 |
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| Marking/Lighting/Signals/TIS/MOT & TMP VDOT/FHWA Reviews: RWP Submittal 2: WBL Roadway/Drainage/SWM/Plantings/E&S/Sign/ Marking/Lighting/Signals/TIS/MOT & TMP VDOT/FHWA Reviews: Submittal 3: EBL Roadway/Drainage/SWM/Plantings/E&S/Sign/Marking/ Lighting/Signals/TIS/MOT & TMP VDOT & FHWA Reviews & Approval: RWP Submittal 4: EBL Roadway/Drainage/SWM/Plantings/ E&S/Sign/Marking/Lighting/Signals/TIS/MOT & TMP VDOT & FHWA Reviews & Approval: Stage I B-677 Owens Street Pedestrian Underpass 21 VDOT & FHWA Reviews and Approval: Stage I B-677 Owens Street Pedestrian Underpass 21 VDOT & FHWA Reviews Stage II B-677 Owens Street Pedestrian Underpass 21 VDOT & FHWA Reviews and Approval: Stage I B-659 I-64 EBL/WBL over Riprap Rd 21 VDOT & FHWA Reviews and Approval: Stage I B-659 I-64 EBL/WBL over Riprap Rd 21 VDOT & FHWA Reviews and Approval: Stage I D-644 Triple 48" RCP Carrying Brights Creek Beneath I-64 VDOT & FHWA Reviews: Stage II D-644 Triple 48" RCP Carrying Brights Creek Beneath I-64 VDOT & FHWA Reviews and Approval: Stage I (Final) D-644 Triple 48" RCP Carrying Brights Creek Beneath I-64 VDOT & FHWA Reviews and Approval: Stage I (Final) D-644 Triple 48" RCP Carrying Brights Creek Beneath I-64 VDOT & FHWA Reviews and Approval: Stage I (Final) D-644 Triple 48" RCP Carrying Brights Creek Beneath I-64 VDOT & FHWA Reviews and Approval: Stage I (Final) B-672 I-64 EBL/WBL over King St 21 VDOT & FHWA Reviews and Approval: Stage II (Final) B-672 I-64 EBL/WBL over King St 21 VDOT & FHWA Reviews and Approval: Stage I B-676 I-64 EBL/WBL over King St 21 VDOT & FHWA Reviews and Approval: Stage II (Final) B-676 I-64 EBL/WBL over King St 21 VDOT & FHWA Reviews and Approval: Stage II (Final) B-676 I-64 EBL/WBL over Settlers Landing Rd VDOT & FHWA Reviews and Approval: Stage II (Final): B-676 I-64 EBL/WBL over Settlers Landing Rd VDOT & FHWA Reviews and Approval: Stage II (Final): B-676 I-64 EBL/WBL over Settlers Landing Rd | VDOT Review & Approval: Photometric Lighting Analysis & Calculations | 21 |
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|--|---|--|--|--|--|--|--|--|
| VDOT & FHWA Reviews and Approval: Stage II (Final) B-674 I-64 WBL over Hampton River | 21 | | | | | | | |
| VDOT & FHWA Reviews and Approval: Stage I B-673 I-64 EBL over Hampton River | 21 | | | | | | | |
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| VDOT & FHWA Reviews and Approval: Stage II 9Final) B-673 I-64 EBL over Hampton River | 21 | | | | | | | |
| VDOT & FHWA Reviews and Approval: Stage I WBL Retaining Walls | 21 | | | | | | | |
| VDOT & FHWA Reviews and Approval: Stage II WBL Retaining Walls | 21 | | | | | | | |
| VDOT & FHWA Reviews and Approval: Stage I WBL Ground-Mounted Noise Walls | 21 | | | | | | | |
| VDOT & FHWA Reviews and Approval: Stage II WBL Ground-Mounted Noise Walls | 21 | | | | | | | |
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| VDOT Review/Approval SPCC: Hazardous Material Phase I ESA | 21 | | | | | | | |
| VDOT/FHWA Hazardous Material Phase I ESA - Hold Point | 21 | | | | | | | |
| VDOT Review: Noise Abatement | 21 | | | | | | | |
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| Reviewing Agency Coordination (NOAA etc.) | 100 | | | | | | | |
| Permit Agency Reviews Response (Round 1) | 30 | | | | | | | |
| Permit Agency Reviews Response (Round 2) | 21 | | | | | | | |
| USACE Permit Issuance | 21 | | | | | | | |
| Virginia Department of Environmental Quality (DEQ) | | | | | | | | |
| Coastal Zone Consistency Determination | 90 | | | | | | | |
| Permit Agency Reviews Response (Round 1) | 21 | | | | | | | |
| Permit Agency Reviews Response (Round 2) | 21 | | | | | | | |
| DEQ Issues Draft Permit | 14 | | | | | | | |
| Public Notice (Virginian Pilot JV ~ \$800) | 15 | | | | | | | |
| Finalize Permit Writing | 15 | | | | | | | |
| DEQ Permit Issuance | 15 | | | | | | | |
| Virginia Marine Resources Commission (VMRC) | | | | | | | | |
| Public Notice (Virginian Pilot) | 21 | | | | | | | |
| Additional Information Request #1 | 5 | | | | | | | |
| Add Info Response by EXP | 20 | | | | | | | |
| Permit Agency Reviews Response (Round 1) | 10 | | | | | | | |
| Permit Agency Reviews Response (Round 1) | 10 | | | | | | | |
| VMRC Hearing (Sept 2018) | 5 | | | | | | | |
| Permit Writing | 21 | | | | | | | |
| US Coast Guard | US Coast Guard | | | | | | | |
| Permit Agency Reviews Response (Round 1) | 21 | | | | | | | |
| Permit Agency Reviews Response (Round 2) | 21 | | | | | | | |
| VDOT Review | 21 | | | | | | | |
| US Coast Guard Permit Issuance | 30 | | | | | | | |







| Planned Schedule Hold Point | Hold Point Duration (Calendar Days) |
|---|---|
| Public Review | 30 |
| Review Responses to Public Notice | 30 |
| VDOT Review and Approve Acquisition Plan Inc. EQ-201 Revaluation - Hold Point | 21 |
| VDOT Issue Notice to Proceed for ROW Acquisitions-Hold Point | 13 |
| VDOT Rvw & Appr. Appraisal Packages, Just Compensation, Relocation Benefits and Admin. Settlements-Acquisitions | 31 |
| VDOT/FHWA Issue Clearance for Construction - Acquisitions-Hold Point | 21 |
| VDOT Review & Approve Utility Assembly | 21 |

Scope Validation - The scope validation period is 120 days after NTP, and the schedule depicts activities that are relevant to the validation work, and VDOT review of the submittal. During the RFP phase the DBT has already developed a preliminary geotechnical investigation plan that identified any gaps in available data so that additional borings and analysis can be scheduled and performed within the 120 day scope validation period.

Public Outreach - The public outreach schedule includes developing and submitting our Emergency Contact List and Response Plan upon Notice to Proceed, holding citizen information meetings during the design phase, public information "Pardon our Dust" meetings at the start of construction, providing frequent updates to the Office of Public Affairs, and additional specific group meetings as necessary. The schedule includes "level of effort" type activities for these Public Information meetings intended to also cover many other public involvement activities that our Team will perform, including quarterly meeting with local businesses and affected property owners during design and construction, attending meetings with homeowners associations, local government representatives, and community groups, and providing information for regular updates at progress meetings and weekly lane closure plans. These "level of effort" type activities will be further defined during development of our Baseline CPM.

Specific to community meetings, the DBT will host community meetings one month prior to construction start and one month prior to construction end, as well as quarterly meetings with impacted business groups during both the design and construction phases. The DBT will be prepared to meet with local civic leagues as requested, as well as preparing presentations for VDOT staff to present to local TPO when project updates are requested. All presentations will be reviewed and approved by VDOT.

Regarding Public Information Meetings, the DBT will host 3 public information meetings as approved by VDOT to present traffic impacts (including impacts to all City of Hampton Roads), the proposed limits of clearing, the proposed landscape plan, the SWM design and improvements, and the Final

Noise Analysis results. The DBT will inform all stakeholders of the meetings and information presented at the public meetings shall be submitted to the VDOT PM and VDOT Public Affairs for approval

In addition to the community and public information meetings required by the RFP, the DBT will host meetings prior to implementation of each major traffic phase. The DBT will develop drive thru simulations (Video Graphic Models) and provide to VDOT for appropriate use.

Project Construction

Construction Sequence:

<u>Phase 1</u> will be comprised of three sub phases: Phase 1A, Phase 1B & Phase 1C.

- <u>Phase 1A</u> we will strengthen the the outside shoulders of I-64 EB utilizing milling and paving operation using temporary lane closures during times permitted by the RFP. In Phase 1A, we will also start the rehabilitation of the triple 48-inch culverts at Brights Creek as part of an early works package.
- Phase 1B will shift the I-64 EB travel lanes onto the reconstructed shoulder and right travel lane and channelize I-64 WB traffic onto the two outermost lanes using a long term stationary work zone with Traffic Barrier Service Concrete (TBSC) to allow the removal of the median barrier, construction of mainline I-64 temporary crossovers and temporary reconstruction of median to support the lane widths. This allows all lanes of traffic to be switched to I-64 EB and opens I-64 WB for reconstruction, to include bridge widening overlay, retaining walls, noise walls.
- Phase 1C will direct the two (2) WB travel lanes across the newly constructed crossovers and onto the EB side of the roadway. Temporary concrete barrier will be placed along the WB Shoulder edge finalizing the Phase 1 traffic realignment. With traffic switched to I-64 EB, I-64 WB Phase 1 roadway and structure work will commence. Elements of work in this phase include

Bridge widening for Westbound Hampton







River Bridge;

- Bridge widening for Settlers Landing Road;
- Bridge overlay, bearing replacement and substructure repair on Westbound Bridges over Hampton River, King Street, Settlers Landing Road and Rip Rap Road overpasses;
- Owens Street pedestrian underpass;
- Roadway drainage installation in the westbound travel lanes, all areas;
- Mainline pavement & shoulder reconstruction or mill and overlay, all areas;
- Construction of WB retaining walls and noise walls, WBW1 – WBW4;
- Installation of lighting, ground mount and overhead signs and ITS infrastructure.

Phase 2 is broken into 2 sub-phases Phase 2A & Phase 2B

- Phase 2A will again channelize traffic into the two outermost lanes in each direction using temporary barrier to permit the reconstruction of the crossovers and repositioning of temporary median barrier. For this phase, WB traffic will be shifted to the outermost WB travel lanes and EB traffic will remain unchanged.
- Phase 2B consists of the shifting the EB traffic to the WB roadway, establishing both directions of travel in the I-64 WB lanes, followed by the placement of temporary barrier to establish the work zone within the EB roadway. Once Phase 2 is established, work activities for this phase can commence, including:
 - Removal and replacement of the eastbound Hampton River Bridges;
 - Bridge overlay, bearing replacement and substructure repair on eastbound bridges over King Street, Settlers Landing Road and Rip Rap Road;
 - Roadway drainage installation in the eastbound travel lanes, all areas;
 - Mainline pavement & shoulder reconstruction or mill and overlay, all areas;
 - Construction of EB retaining walls and noise walls, EBW1 – EBW8;
 - Installation of lighting, ground mount and overhead signs and ITS infrastructure.

Phase 3 is the final phase and contains 2 sub-phases Phase 3A and Phase 3B

• Phase 3A consists of the shifting the EB traffic to the outermost EB roadway, followed by the placement of temporary barrier to establish the work zone in the median of I-64. With traffic in the outside lanes, construction in the median to remove crossovers, reconstruct shoulders, and construct median barrier can occur. Overhead sign structures will be placed into final locations with all signs and ITS and Tolling equipment installed.

• Phase 3B begins once the median work is complete and consists of removal of the temporary concrete barriers, pavement milling, overlay, markings and roadway finishes placing traffic into its ultimate position and open traffic to the newly constructed toll lanes.

Major Traffic Shifts

Our MOT phasing requires only 3 major phases and the traveling public will be completely separated from construction areas providing contiguous areas of existing I-64 for staging and more efficient construction the full length of the project. The DBT's plan for project construction anticipates the following major traffic switch and MOT milestones during construction:

| Planned Traffic Shifts / MOT Milestone | Planned Shift Date |
|---|--------------------|
| Implement Phase 1A | 3/8/2023 |
| Implement Phase 1B | 4/6/2023 |
| Implement Phase 1C | 8/18/2023 |
| Implement Phase 2A | 10/9/2024 |
| Implement Phase 2B | 11/7/2024 |
| Implement Phase 3A | 6/8/2026 |
| Implement Phase 3B | 10/9/2026 |

Project Critical Path

The Critical Path will be continually analyzed throughout the project to ensure the entire team is concentrating on activities required to achieve key project milestones. The overall critical path, based on the Longest Path, essentially includes rehabilitation/construction of B-674 and then construction of B-673.

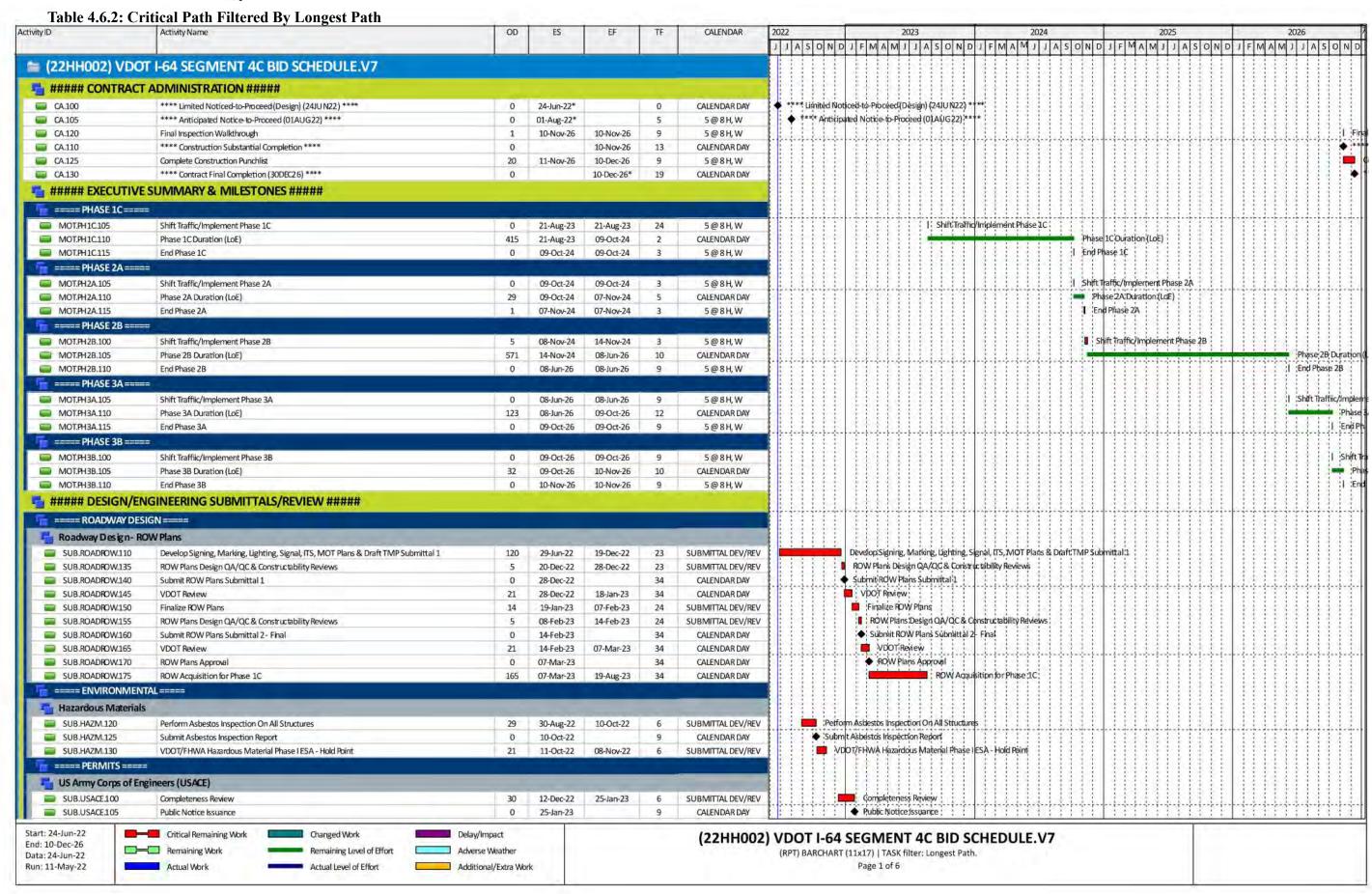
The overall critical path of the project (longest path) is summarized below:

- Geotechnical/Roadway/Structure Design Early Work Packages
- Environmental Permit Approval
- Rehabilitation/Construction of B-674
- Shifting Traffic onto WB lanes
- Demolition/Construction of B-673

The complete critical path is shown in Table 4.6.2. The activities have been filtered by both Longest Path and Critical in order to include the interim milestone activities.

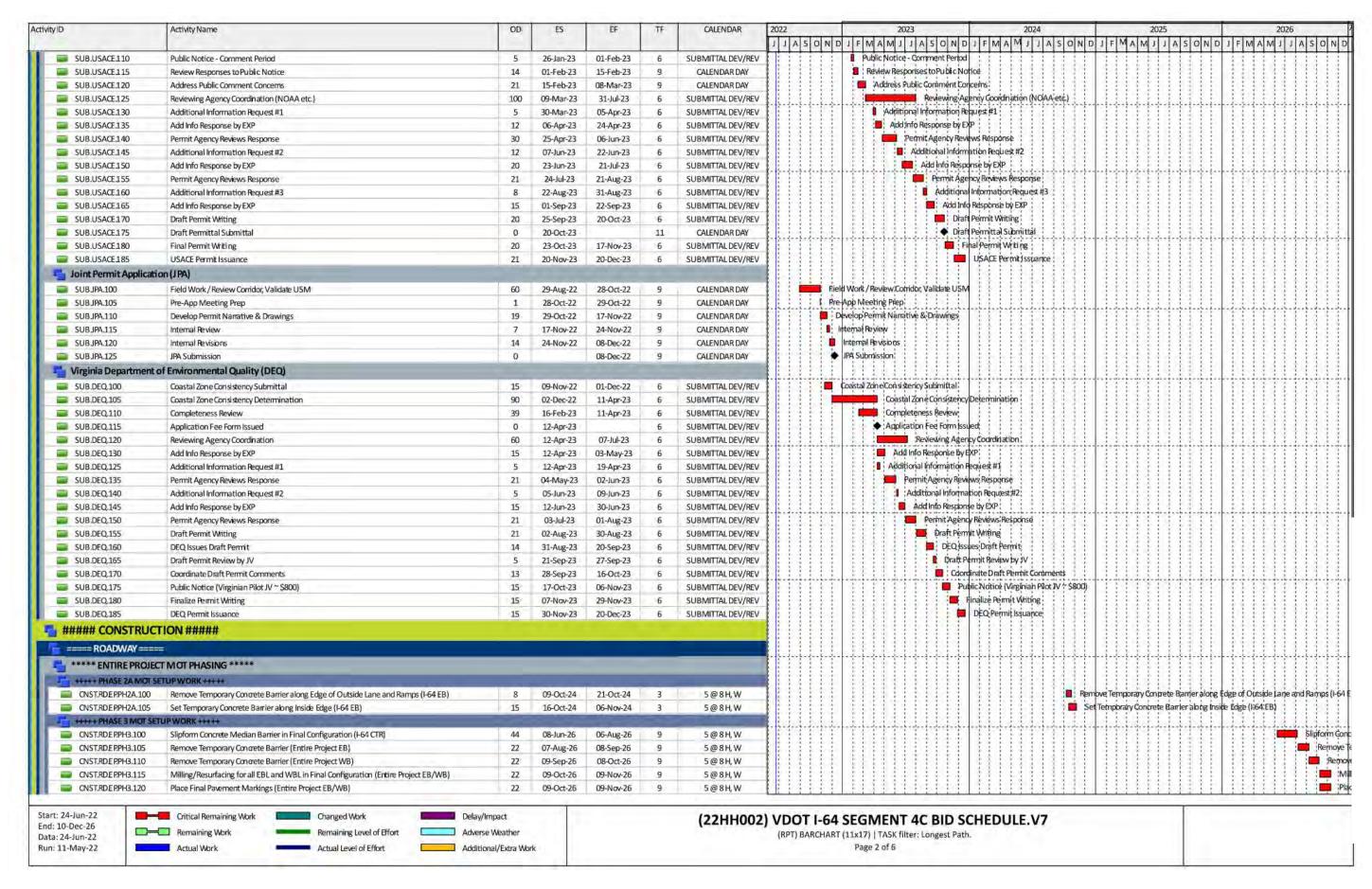






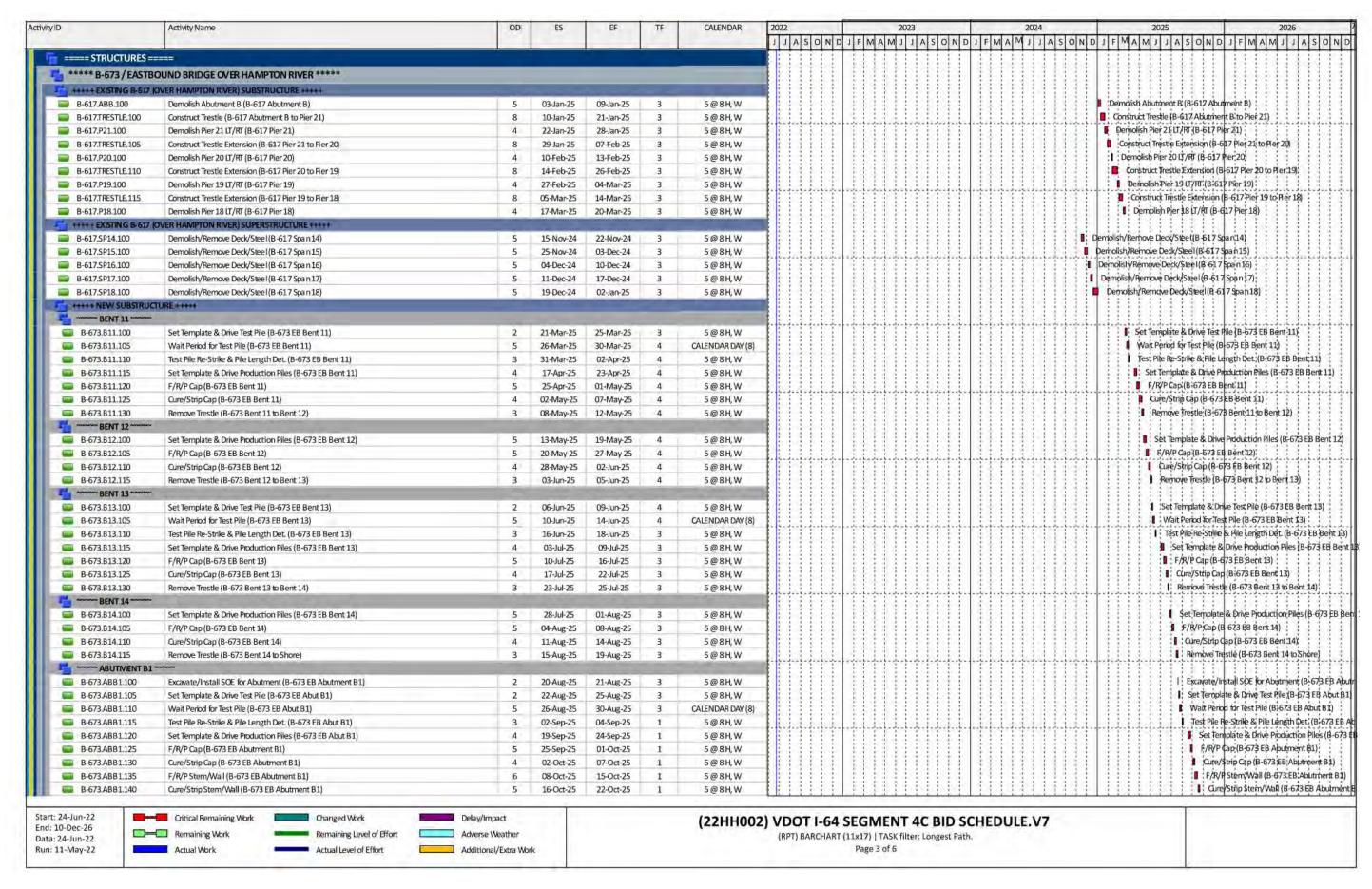
















| | Activity Name | OD | ES | EF | TF | CALENDAR | 2022 | 6 0 1 | D .1 | |)23 | olada | i els | a A I NA | 2024 | I a la la | In d | - Male | 2025 | Alsloh | NI D | lelal. | 202 | | ٠١. |
|--------------------|--|--|-----------|-------------|-----|-------------|---------|-------|---------|--------------------------------------|---------|-------|-------|----------|------|------------|----------|------------|--------|--------|-------|------------|-------------|----------|-----|
| B-673.ABB1.145 | Place Structure Backfill (B-673 EB Abutment B1) | 4 | 23-Oct-25 | 28-Oct-25 | 1 | 5@8H,W | 1, JA | 3 0 N | 0 1 | MAMJ | 1 W 2 | OMD | 1 FIN | IAIM. | 11/ | 13 ON | 1011 | I A M | 111 | No let | | F M / | | | - |
| B-6/3.ABB1.145 | the state of the s | 4 | 23-OCt-25 | 28-OCI-25 | 1 | 5@8H,W | | ++ | | | | | + 1 | 111 | 1.1 | 111 | 1 1 | 111 | | 117 | Flage | spucture | acki iii Xi | 5-p/3 E | 0 |
| SPAN A (OVER I | | | _ | _ | _ | _ | | | | | | | | | 11 | | 1 4 | 111 | | | 11 | | | 11 | i |
| B-673.SPA.130 | Remove Overhangs (B-673 EB Span A) | 5 | 01-Jun-26 | 05-Jun-26 | 9 | 5@8H,W | | | | | | 111 | 11 | 111 | 11 | | 1 3 | 111 | | 111 | 1 | 111 | R | Remove | 9 6 |
| SPAN B | Territor o territorigo (a oto de specific) | | 0230120 | .00 7417 20 | | 3601411 | | 1.1 | | | | | 11 | 111 | 11 | 111 | 1 3 | 111 | | 111 | 11 | 111 | | 11 | - |
| B-673.SPB.130 | Remove Overhangs (B-673 EB Span B) | 5 | 22-May-26 | 29-May-26 | 9 | 5@8H,W | | | | | | 111 | 11.1. | 1111 | 1 | 4-4-4- | | 111 | 1-1-1- | 1111 | 1 | 171 | Re Re | enhove (| 0 |
| SPAN C | | | | | | | | | | | | | 11 | 111 | 11 | 111 | 1 1 | 111 | | 111 | | 111 | 111 | 11 | - |
| B-673.SPC.130 | Remove Overhangs (B-673 EB Span C) | 5 | 15-May-26 | 21-May-26 | 9 | 5@8H,W | | | | 1111 | | 11 | 11 | 111 | 11 | 111 | 111 | 111 | 111 | 111 | 1 | 111 | Re | move C | o. |
| SPAN D (OVER | PEMBROKE AVE.) | | | | | | | | | 1111 | | | | | 11 | | 111 | 111 | | 111 | | | | 11 | 3 |
| B-673.SPD.130 | Remove Overhangs (B-673 EB Span D) | 5 | 08-May-26 | 14-May-26 | 9 | 5@8H,W | | 11 | | | | | | 111 | 11 | | | 111 | | | | 111 | Ren | nove O | ve |
| SPAN E | | | | | 100 | - | | | | | | | 1 | | 17 | TIT | | 7777 | 177 | TIT | 1 | TTT | M | 1.1. | |
| B-673.SPE.130 | Remove Overhangs (B-673 EB Span E) | 5 | 01-May-26 | 07-May-26 | 9 | 5@8H,W | | 11 | | | | 11 | 11 | 111 | 1-1 | 111 | 1 3 | 1111 | | | 11 | 111 | Retr | nove Ov | vel |
| SPAN F | | | | | | | | 11 | | 1111 | 18.8 | | 11 | 111 | 1.1 | 111 | 111 | 111 | | 111 | 11 | 111 | | 11 | 3 |
| B-673.SPF.130 | Remove Overhangs (B-673 EB Span F) | 5 | 24-Apr-26 | 30-Apr-26 | 9 | 5@8H,W | | 11 | | 1111 | | 11 | | 111 | 1.1 | 111 | 1 1 | 111 | 111 | 111 | | 111 | Remo | ove Ove | er |
| SPAN G | | | | | | | | | | 1.1.1.1. | | | 1.1. | 111 | 1.1. | 1.1.1 | | Lili | 1.1.1 | 111 | | 111 | | 1.1 | 3 |
| B-673.SPG.130 | Remove Overhangs (B-673 EB Span G) | 5 | 17-Apr-26 | 23-Apr-26 | 9 | 5@8H,W | | | | | | | | | | | | | | | | | Remo | we Ove | rh |
| SPAN H www. | | | | | | | | | | | | | | 111 | 11 | | 111 | 1111 | | 111 | | 111 | 11 | + 1 | į |
| B-673.SPH.130 | Remove Overhangs (B-673 EB Span H) | 5 | 10-Apr-26 | 16-Apr-26 | 9 | 5@8H,W | | 11 | | 1111 | | 11 | 11 | 111 | 1.1 | 111 | 1 1 | 111 | 111 | 111 | | 1 1 | Remov | e Over | h |
| SPAN I | | | | | | 100000 | | 11 | | 1111 | | 11 | 11 | 111 | 11 | 111 | 1 1 | 111 | | 111 | | 111 | 111 | 11 | 1 |
| B-673.SPI.130 | Remove Overhangs (B-673 EB Span I) | 5 | 02-Apr-26 | 09-Apr-26 | 9 | 5@8H,W | | | | | | | | | 1.1. | | | 1.1.1. | | 111 | | 1 | Remove | e Overt | ia |
| SPAN 1 | | | | | | | | | | | | | 11 | 111 | 11 | 111 | | 111 | | 111 | | | | 11 | 9 |
| B-673.SPJ.130 | Remove Overhangs (B-673 EB Span J) | 5 | 26-Mar-26 | 01-Apr-26 | 9 | 5@8H,W | | | | | | | 11 | 111 | 1 1 | 111 | 1 1 | 111 | | | | 1 | Remove | Overh: | ar |
| SPAN K | The Control of the Co | | | | | | | 11 | | | | 11 | 11 | 111 | 1-1- | 111 | 1 1 1 | 111 | 111 | 111 | | 111 | | 11 | |
| B-673.SPK.105 | Set Overhangs (B-673 EB Span K) | 7 | 12-Dec-25 | 22-Dec-25 | 16 | 5@8H,W | | 11 | 1 | | 111 | | | 111 | 1.1 | 111 | 1 3 | 111 | 111 | | | Set Overh | 4 - 4 1 1 4 | 1 | |
| B-673.SPK.110 | Set Deck Pans (B-673 EB Span K) | 7 | 23-Dec-25 | 08-Jan-26 | 16 | 5@8H,W | | | | 1.1.1.1. | | | | | 1.1. | 111 | | 1.1.1. | | 111 | | Set Ded | F = 3 = 5 F | | |
| B-673.SPK.115 | Place Deck Rebar (B-673 EB Span K) | 6 | 09-Jan-26 | 16-Jan-26 | 26 | 5@8H,W | | | | | | | 1 1 | 1 1 1 | | 111 | | | | 111 | | Place D | 1 1 1 | 1 1 | |
| ■ B-673.SPK.120 | Setup Bidwell/Place Bridge Deck Concrete (B-673 EB Span K) | 8 | 09-Mar-26 | 18-Mar-26 | 9 | BRIDGE DECK | | | | HILL | | | 11 | 111 | 1-1 | 111 | 1 1 | 111 | Hi | 111 | 1 | 1 4 1 | etup Bid | 1 1 | |
| B-673.SPK.130 | Remove Overhangs (B-673 EB Span K) | 5 | 19-Mar-26 | 25-Mar-26 | 9 | 5@8H,W | | 11 | | | | | 11 | 111 | 11 | 111 | 1 1 | 111 | 111 | 111 | | | emove | Overha | in |
| SPAN L | Street, Street | 40.00 | | | | | | | | 1111 | | | 11 | 113 | 11 | 111 | 111 | 111 | | 111 | | 111 | 111 | | |
| B-673.SPL105 | Set Overhangs (B-673 EB Span L) | 7 | 03-Dec-25 | 11-Dec-25 | 16 | 5@8H,W | | J.J. | | 1-1-1-1 | 1.4.1.1 | | | 4-1-4 | 4 | 4-4-4- | 1 | 4-1-1- | 1-4-4 | 4-1-4 | S | et Overha | igs (B-6 | 73 EB S | śŗ |
| SPAN IM | | - | | | | | | | | 1111 | | | 1 1 | 111 | 11 | 111 | 1 1 | 111 | 111 | 111 | 1 | 111 | | 11 | |
| B-673.SPM.105 | Set Overhangs (B-673 EB Span M) | 7 | 20-Nov-25 | 02-Dec-25 | 16 | 5@8H,W | 1133 | -1-1- | | 1111 | | | | 111 | 1.1 | 111 | 1 3 | 111 | 111 | | i se | t:Overhar | gs (B-67 | 3 EB Sr | pá |
| SPAN N | | - | _ | | | | | | | | | | 1 1 | | 11 | 111 | ‡ I ‡ | | | | | | | dd | |
| B-673.SPN.105 | Set Overhangs (B-673 EB Span N) | 7 | 11-Nov-25 | 19-Nov-25 | 16 | 5@8H,W | | | | | | | 11 | 111 | 11 | 111 | 1 1 | 111 | 111 | | Set | Overhang | (B-673 | EB Sp | ar |
| SPAN O | | | | | - | | | | | 1-4-4-4- | | | | 4.4.4. | int- | 1-1-4- | 1-1-1 | 44.4 | 1-1-1- | 4-4-4 | 1 | india. | Link | -11 | - ; |
| B-673.5PO.100 | Set Bearing Pads/Erect Precast Concrete Beams (B-673 EB Span O) | 2 | 29-Oct-25 | 30-Oct-25 | 1 | 5@8H,W | 4 | | | 1111 | 1111 | | | | 11 | 111 | i I i | 111 | | 1 1 | 6 | earing Pac | | | |
| B-673.5PO.105 | Set Overhangs (B-673 EB Span O) | 7 | 31-Oct-25 | 10-Nov-25 | 16 | 5@8H,W | | | | | | 11 | 11 | 111 | 11 | 111 | 113 | 111 | | | Set | Overhangs | 18-6/31 | ER Spar | n |
| ***** B-674 / WEST | BOUND BRIDGE OVER HAMPTON RIVER ***** | | | | | | | | | HILL | | | 11 | 111 | | 111 | 1 3 | 111 | 111 | 111 | | The last | 111 | 11 | |
| +++++ SUBSTRUCTURE | E +1111 | | | | | | 197 | HE | | | | 1.1 | 11 | 111 | 1.1 | 111 | 1 4 | 111 | | 111 | | 111 | 111 | 1 1 | |
| ABUTMENT A | nearest the second seco | | | | - | | | | | ļ. ļ. ļ. ļ. | | ii | | 14.1 | 1.1. | 1-1-1- | ii. | WB Abutm | 1.1.1. | | | i.i.i. | 1.1.1 | 1.1. | 2 |
| B-674.ABA.110 | F/R/P Cap (B-674 WB Abutment A) | 4 | 26-Jul-24 | 31-Jul-24 | 4 | 5@8H,W | | 11 | | | | | | 111 | | 1 1 1 | 1 | | | 111 | | | | 11 | |
| B-674.ABA.112 | Strip Cap (B-674 Abutment A) | 1 | 01-Aug-24 | 01-Aug-24 | 4 | 5@8H,W | | ++ | | | | 11 | 11 | 1 1 1 | 1 1 | 1 1 1 | | butment A | 1 1 1 | 111 | | 111 | | 11 | - |
| B-674.ABA.115 | F/R/P Stem/Wall Extension/Cure Cap (B-674 WB Abutment A) | 7 | 02-Aug-24 | 12-Aug-24 | 4 | 5@8H,W | 4 1 1 7 | | | 1111 | | | 11 | 111 | | 1 1 1 | The last | Extension | 1 1 1 | 1 1 1 | WB Ab | utment A) | | 1 1 | 3 |
| B-674.ABA.125 | Strip Stem/Wall (B-674 WB A butment A) | 2 | 13-Aug-24 | 14-Aug-24 | 4 | 5@8H,W | | 4.1. | | | | 14.1 | | 111 | 1-11 | StripSte | m/Wall | B-674 WB | Abutme | nt A) | | hD4. | | | |
| PIER 1 | To a service of the s | - | | | - | | | 4.4. | | 1-1-1-1- | | | | 1.4.4. | 1-1- | 1-1-1- | į.,į. | 4.1.4. | | 4-1-4 | | 1-4-4 | 4-4-4 | | - 4 |
| B-674.P1.105 | F/R/P Cap (B-674 WB Pier 1) | 3 | 23-Jul-24 | 25-Jul-24 | 4 | 5@8H,W | | 11 | | | | | | 111 | 3 1 | /R/P Cap | (B-674) | VB Pier 1) | | 111 | | 111 | 111 | 11 | 1 |
| PIER 2 | | | | | | | | 11 | | | | 11 | 1: | 111 | | 111 | 1 1 | 111 | 111 | 111 | | 111 | 111 | 1 1 | - |
| B-674.P2.105 | F/R/P Cap (B-674 WB Pier 2) | 3 | 17-Jul-24 | 22-Jul-24 | 4 | 5@8H,W | | 11 | | | | | 11 | 111 | 1 | /R/P Cap | (B-674:V | VB Pier 2) | | 111 | | 111 | | 11 | - |
| BENT3 | | | | Total Park | - | 73,73,71,7 | | | | | | | 1 | 111 | 1.1 | 111 | | | | 111 | | 111 | 111 | 11 | |
| B-674.B3.105 | F/R/P Cap (B-674 WB Bent 3) | 3 | 12-Jul-24 | 16-Jul-24 | 4 | 5@8H,W | 1-1-1- | | | 1-1-1-1- | | | | 4-1-4 | , F | /K/P Cap (| B-674 W | B Bent 3) | 1 | 4-1-4 | | įįį. | 1-1-1 | -1 | à |
| BENT 4 | 10210 2 100 2000 | - | 1000 | 7.7760 | | - | | 11 | | | | | 11 | 111 | | 111 | | 111 | 1 1 | 111 | | 111 | 111 | 1 1 | ; |
| B-674.B4.105 | F/R/P Cap (B-674 WB Bent 4) | 3 | 09-Jul-24 | 11-Jul-24 | 4 | 5@8H,W | | - | 1 | 1111 | | | | 111 | : F/ | R/P Cap (| B-6/4 W | B Bent 4) | | 111 | | 111 | 111 | | 1 |
| BENT 5 | Topico de la composição | | 24.7 | 1 000 120 | | p diame. | | 11 | | | | 11 | 1 1 | 111 | | 1 1 1 | | | | 111 | | | | 11 | 1 |
| B-674.B5.105 | F/R/P Cap (B-674 WB Bent 5) | 3 | 03-Jul-24 | 08-Jul-24 | 4 | 5@8H,W | | | | | | | 11 | 111 | F/ | R/P/Cap (I | B-674 W | Bent 5) | | 111 | | | | 11 | |
| BENT 6 | Tenagonamorous | 7.7 | 2011-22 | 1-42772 | | | 1-1-1- | | | | | | | 1-4-4 | 1.4 | 1-1-1- | | 4-1-4- | 1-4-1 | | | 1.4.4. | 1-1-4 | - ()- | |
| B-674.B6.105 | F/R/P Cap (B-674 WB Bent 6) | . 3 | 28-Jun-24 | 02-Jul-24 | 4 | 5@8H,W | 3 2 3 3 | 11 | 1 | 1 1 1 1 | 1111 | 7-1 | 1.1 | 1.1.1 | 1 1/ | γr cap (E | 5,6/# WE | Bent 6) | 111 | 111 | | 1 1 1 | 1.4.4 | 1 1 | _ |
|)-Dec-26 | Critical Remaining Work Remaining Work Remaining Level of Effort Actual Work Actual Level of Effort | Delay/Impact Adverse Weather Additional/Extra Wo | k | | | (22HH00 | | | RT (11: | GMENT 17) TASK fi age 4 of 6 | | | | ULE | .V7 | | | | | | | | | | |

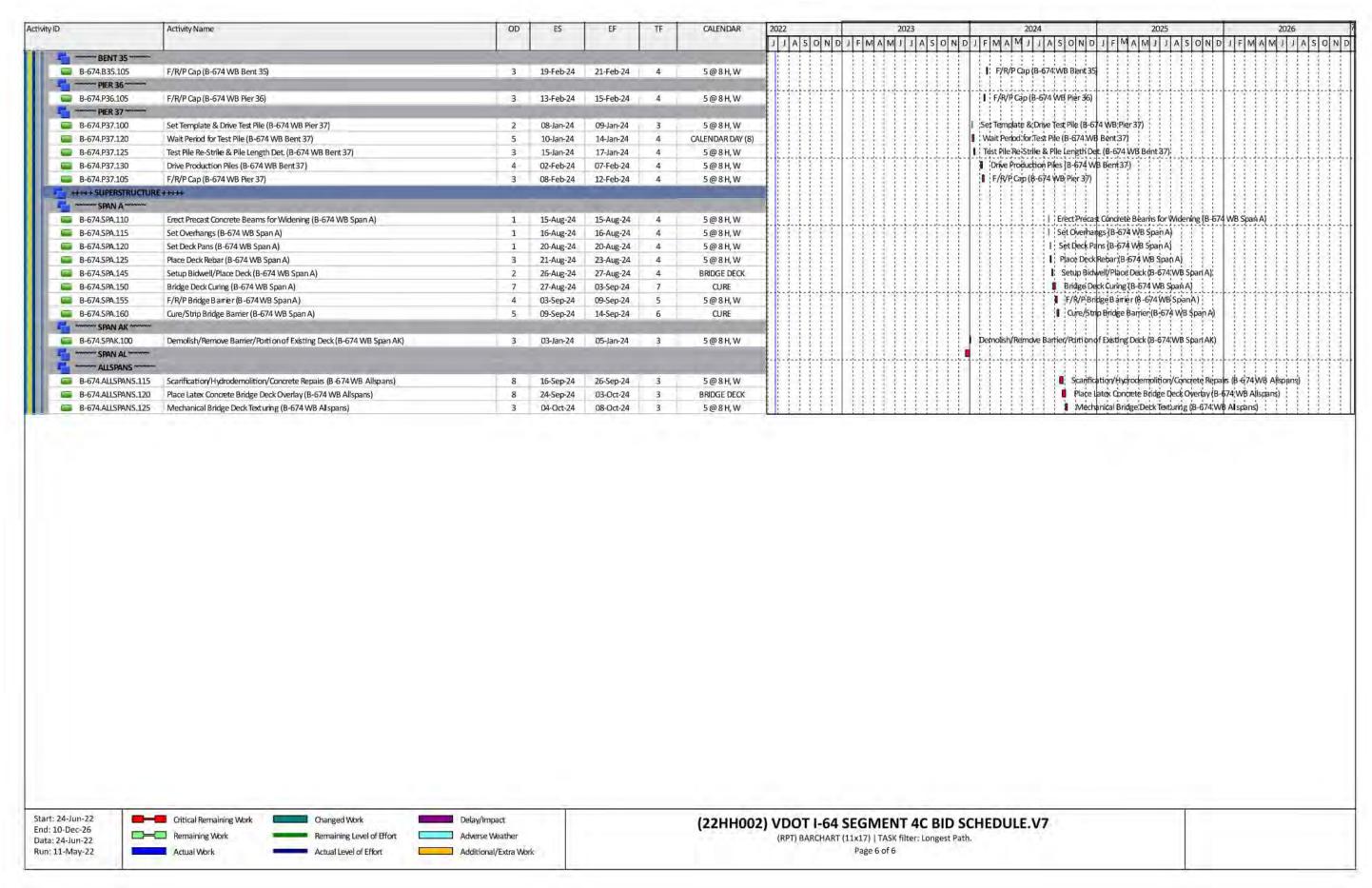




| D | Activity Name | OD | ES | EF | TF | CALENDAR | 2022 J J A S O N D J | 2023 F M A M J J A S O N D | 2024 2025 J F M A M J J A S O N D J F M A M J J A S O N D | 2026 D J F M A M J J A |
|-----------------------|--|------------------------------|-------------|--------------|----|-----------------|-------------------------|----------------------------------|--|---------------------------|
| BENT 7 | The State of the S | | 00000 | | | - Constant | | | | |
| B-674.B7.105 | F/R/P Cap (B-674 WB Bent 7) | 3 | 25-Jun-24 | 27-Jun-24 | 4 | 5@8H,W | | | F/R/P Cap (B-674 W/B Bent 7) | |
| PIER 8 | | | | | | | | | | |
| B-674.P8.105 | F/R/P Cap (B-674 WB Pier 8) | 3 | 19-Jun-24 | 24-Jun-24 | 4 | 5@8H,W | 4-1-1-1-1-1-1-1 | | F/R/P Cap (B-674 WB Pier B) | +-{-}- |
| B-674.B9.105 | F/R/P Cap (B-674 WB Bent 9) | 3 | 14-Jun-24 | 18-Jun-24 | 4 | 5@8H,W | | | | |
| B-074.B9.103 | | | AT JUITAN | 20-7011-24 | -4 | 3@01,W | | | | |
| B-674.B10.105 | F/R/P Cap (B-674 WB Bent 10) | 3 | 11-Jun-24 | 13-Jun-24 | 4 | 5@8H,W | | | I F/R/P Cap (B-674 WB Bent 10) | |
| BENT 11 ~~~~ | | | | | | 1000000 | | | [[[], [], [], [], [], [], [], [], [], [] | |
| B-674.B11.105 | F/R/P Cap (B-674 WB Bent 11) | 3 | 06-Jun-24 | 10-Jun-24 | 4 | 5@8H,W | | | I F/R/P Cap (8-674 WB Bent 11) | |
| BENT 12 ***** | The second telephone was a second con- | | 02.121 | 05 1 24 | _ | 5.000.00 | | | 1 F/R/P Cap (B:674 WB Bent 12) | |
| B-674.B12.105 | F/R/P Cap (B-674 WB Bent 12) | 3 | 03-Jun-24 | 05-Jun-24 | 4 | 5@8H,W | | | 1 F/N/P Cap (6:6/A VVB Bent 12) | |
| B-674.B13.105 | F/R/P Cap (B-674 WB Bent 13) | 3 | 29-May-24 | 31-May-24 | 4 | 5@8H,W | | | F/R/P Gap (B-674 WB Bent 13) | |
| BENT 14 ***** | | | | | | | | | | |
| B-674.B14.105 | F/R/P Cap (B-674 WB Bent 14) | 3 | 23-May-24 | 28-May-24 | 4 | 5@8H,W | | | I F/R/P Cap (B-674 W/B Bent 14) | |
| BENT 15 | | 7 5 7 | 7 | | | | | | | |
| B-674.B15.105 | F/R/P Cap (B-674 WB Bent 15) | 3 | 20-May-24 | 22-May-24 | 4 | 5@8H,W | | | 1: F/R/P Cáp (B-674 WB Bent 15) | |
| B-674.B16.105 | F/R/P Cap (B-674 WB Bent 16) | 1 2 1 | 15-May 24 | 17-May-24 | Α | 5@8H,W | | ··∱∙∳∙∮∙∳∙∳∙∳∙∮∙∳∗ | I F/R/P Cap (B-674 WB Bent 16) | ++++++++++ |
| B-674.816.105 | The state of the s | 3 | 13-14lay-24 | 17-1Vldy-24 | - | 2 @ 011, W | | | | |
| B-674.B17.105 | F/R/P Cap (B-674 WB Bent 17) | 3 | 10-May-24 | 14-May-24 | 4 | 5@8H,W | | | I F/R/P.Cab (B-674 WB Bent 17) | |
| BENT 18 ~~~~ | | | | | - | | | | | |
| B-674.B18.105 | F/R/P Cap (B-674 WB Bent 18) | 3 | 06-May-24 | 09-May-24 | 4 | 5@8H,W | | | I F/R/P Cap (B-674 WB Bent 18) | 1-1-3-1-1-1-1-1 |
| BENT 19 | | 777 | | | | | | | F/N/D C= /D CTG MD D==+10 | |
| B-674.B19.105 BENT 20 | F/R/P Cap (B-674 WB Bent 19) | 3 | 01-May-24 | 03-May-24 | 4 | 5@8H,W | | | F/R/P Cap (B:674 WB Bent 19) | |
| B-674.B20.105 | F/R/P Cap (B-674 WB Bent 20) | 3 | 25-Apr-24 | 30-Apr-24 | 4 | 5@8H,W | | | F/R/P Cap (B-674 WB Bent 20) | |
| BENT 21 | | | | 25.9.07 | | | | | | |
| B-674.B21.105 | F/R/P Cap (B-674 WB Bent 21) | 3 | 22-Apr-24 | 24-Apr-24 | 4 | 5@8H,W | | | I F/R/P Cap (B-674 WB Bent 21) | |
| BENT 22 | | | | | | | | | | |
| B-674.B22.105 | F/R/P Cap (B-674 WB Bent 22) | 3 | 17-Apr-24 | 19-Apr-24 | 4 | 5@8H,W | | | 1: F/R/P Cap (B-674.WB Bent 22) | |
| B-674.B23.105 | F/R/P Cap (B-674 WB Bent 23) | 3 | 11-Apr-24 | 16-Apr-24 | 4 | 5@8H,W | | ########### | ■ F/R/P Cap (B-674 WB Bent 23) | |
| BENT 24 | | | 11 Apr 24 | 10 Apr 24 | _ | 3@01,11 | | | | ***** |
| B-674.B24.105 | F/R/P Cap (B-674 WB Bent 24) | 3 | 05-Apr-24 | 10-Apr-24 | 4 | 5@8H,W | | | # F/R/P:Cap (B-674 WB;Bent 24) | |
| BENT 25 | | 7.9 | | | - | - | | | | |
| B-674.B25.105 | F/R/P Cap (B-674 WB Bent 25) | 3 | 02-Apr-24 | 04-Apr-24 | 4 | 5@8H,W | | | F/R/P Cap (B-674 WB Bent 25) | |
| BENT 26 CONTRACT | | | 20.11 | | | F 0 0 11 111 | 4.4.4.4.4.4.4.4. | | | 4-4-4-4-4-4-4-4-4 |
| B-674.B26.105 BENT 27 | F/R/P Cap (B-674 WB Bent 26) | 3 | 28-Mar-24 | 01-Apr-24 | 4 | 5@8H,W | | | I F/R/P cap (B-674 WB Bent 26) | |
| B-674.B27.105 | F/R/P Cap (B-674 WB Bent 27) | 3. 1 | 25-Mar-24 | 27-Mar-24 | 4 | 5@8H,W | | | I: F/R/P Cap (B-674 WB Bent 27) | |
| BENT 28 | | | | | | S 2 | | | | |
| B-674.B28.105 | F/R/P Cap (B-674 WB Bent 28) | 3 | 20-Mar-24 | 22-Mar-24 | 4 | 5@8H,W | | 4414141414 | I F/R/P Cap (B-674/WB Bent 28) | |
| BENT 29 ~~~~ | | - 7 7 7 | | 1000 | | 5221 | | | | |
| B-674.B29.105 | F/R/P Cap (B-674 WB Bent 29) | 3 | 15-Mar-24 | 19-Mar-24 | 4 | 5@8H,W | | | ■ F/R/P Cap (B-674 WB Bent 29); | |
| B-674.B30.105 | F/R/P Cap (B-674 WB Bent 30) | 2 | 12-Mar-24 | 14-Mar-24 | 4 | 5@8H,W | | | F/R/P Caip (B-674 WB Bent 80) | |
| BENT 31 | | | | A-1 19101-24 | - | 2 @ 011, W | | | | |
| B-674.B31.105 | F/R/P Cap (B-674 WB Bent 31) | 3 | 07-Mar-24 | 11-Mar-24 | 4 | 5@8H,W | | | ■ F/R/P Cap (8-674 WB Bent 31) | |
| BENT 32 | | | 200 | 1000 | | | | | | |
| B-674.B32.105 | F/R/P Cap (B-674 WB Bent 32) | 3 | 04-Mar-24 | 06-Mar-24 | 4 | 5@8H,W | | | 1 F/R/P/Cap (B-674 W/B Beht 32) | |
| BENT 33 | | | 20 E-L 24 | 01.14 24 | | E 0.000 | | | 1 5/9/0 5an (0 57) WB 0 and 300 | |
| B-674.B33.105 BENT 34 | F/R/P Cap (B-674 WB Bent 33) | 3 | 26-160-24 | 01-Mar-24 | 4 | 5@8H,W | | | F/R∳P Cap (B-674 WB Bent 38) | +++++++ |
| B-674.B34.105 | F/R/P Cap (B-674 WB Bent 34) | 3 | 22-Feb-24 | 27-Feb-24 | 4 | 5@8H,W | | | L F/R/P Cap (B-674 WB Bent 34) | |
| | | | | | | - Texas - Toxas | D \$ 1/2 MSLEUTE 1 - 2 | MEV AND LOSS | | |
| 1-Dec-26 | Critical Remaining Work Changed Work | | | | | (22HH00 | | GMENT 4C BID S | | |
| 24-Jun-22 | Remaining Work Remaining Leve | | | | | | | x17) TASK filter: Longest Path | | |
| I-May-22 | Actual Work Actual Level of I | Effort Additional/Extra Work | | | | | | Page 5 of 6 | | |











The schedule is the most important tool in the construction management process and is an efficient method to communicate the intended sequence and progress of the project to the construction team as well as the project stakeholders. The schedule is an extremely useful and productive planning tool. The DBT takes pride in our detailed advance planning for safe and efficient execution of the work. Our Construction Managers, Superintendents, Safety Professionals, and Craft Supervisors use this critical tool as the first step in developing Activity Hazard Analyses and Activity Work Plans. In addition to early planning, the schedule is used to monitor the project's progress and help identify potential deficiencies and problem areas before they develop into a critical impact.

The project management team will continually review and monitor the schedule and use the information gathered to develop mitigation strategies for any activities that are identified as potential impacts. During our monthly progress meetings with VDOT, the DBT will provide monitor screens to view our CPM in real time instead of just reviewing static PDF or printed hard copies. This lets the project team (DBT and VDOT) run real time "what if' scenarios to see the effect on critical path or other key dates.

This proactive approach will ensure that the project continues to move forward and that any potential delays are addressed immediately. A variety of different tools will be utilized to assist with this process, including but not limited to, the following:

- Weekly schedule meetings between the engineering and construction team members during the design phase
- Weekly construction scheduling meetings throughout the duration of the construction process with the construction team (including

management)

- Monthly progress meetings to include all project stakeholders, project team members, and subcontractors
- Three-week look ahead schedules
- RFI logs
- Submittal logs
- Work plans
- Subcontract/purchase order logs
- Shop drawing tracking logs
- Weekly manpower and equipment reviews. All of the above referenced tools will be utilized simultaneously to provide a current and realistic picture of the progress and status at any given time. Information will be presented at meetings to all who are involved for the opportunity to discuss and address any concerns in front of all that are affected. This keeps the line of communication open and allows resolutions and recovery strategies to be developed at an early stage; therefore, preventing further conflict.

The project schedule will also be critically important to the management of our QA/QC inspection, testing, and documentation efforts. By resource loading our construction activities with crews classified by construction discipline, and reviewing the associated resource histograms on a weekly basis, our team will be able to identify all current and future QA/QC hold points, and to quantify QA/ QC coverage and testing resources needed to provide robust quality control in a timely and efficient manner. The Proposal CPM was used to run the histogram (Figure 4.6.3) showing labor resources by individual crew type including subcontractors. This data was used to assign appropriate levels of QA and QC staff to perform the necessary inspections and testing. The QA/QC staffing plan histogram chart is also provided on the following page (Figure 4.6.4.).

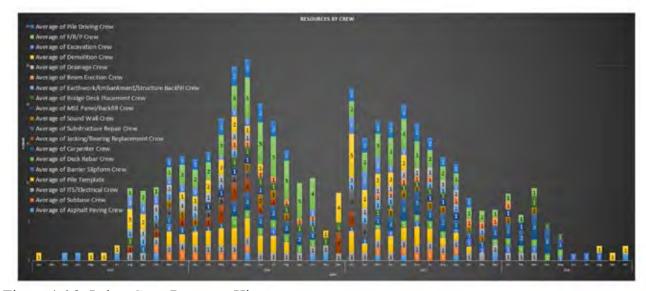


Figure 4.6.3: Labor Crew Resource Histogram







The DBT has developed and refined numerous best practices related to QA/QC in our delivery of VDOT DB projects in multiple districts. These practices have recently been enhanced to satisfy the expectations communicated to our overall industry by VDOT Senior Management. This excellent performance was recently validated by the VDOT OIA initial QCIP audit of our I-95 SB RRC where the DBT member Wagman obtained a score of 97.23. The following practices will be implemented on this project:

- All key and value added staff will remain committed to the project and not delegate their duties.
- The CPM schedule will include separate activities for constructability and QA/QC reviews by the DBT as well as VDOT and agency reviews. The EICE will ensure these reviews occur and that the design submittals will be stamped after review and prior to formal submission.
- Written work plans are developed for construction activities with noted witness and hold points for safety, QA, and QC inspections. These written plans will be reviewed and incorporated into the formal Preparatory Meetings
- Proactive QA/QC inspections with vigilant written documentation (inspection logs, Deficiencies, and NCRs) of any issues with potential to affect quality or safety for tracking

- and follow through until formal resolution by the EIC and/or Designer/Engineer of Record as required.
- All underdrains will be inspected by a third party not involved in the design or construction. These inspection activities are captured in the CPM and will be performed, reviewed, and provided to VDOT after intermediate asphalt is complete and prior to transitioning to subsequent MOT phases
- The QAM will hold formal QA/QC meetings at the project field office at least weekly to review: look ahead schedules, staffing assignments, preparatory meetings, QA/QC logs, inspection reports, and the quantity ledger book.
- Additional DBT Members (SWM/ESC Design Lead), EIC, Safety Director, Sr. QA Inspector, and Sr. QC Inspector) will assist the ECM by rotating their participation in the Construction Runoff Control Inspections (CRCI).
- CRCI will occur twice a week at a minimum and after every measurable storm event.
- Contractor QA/QC Plan will be updated and maintained with all proper official documentation.
 In addition to monthly CPM updates, DBT
- In addition to monthly CPM updates, DBT will include detailed 4 and 10-week look ahead schedules that will be shared with adjacent projects. This enhances operational coordination among projects and provides accurate & predictable information for use in public outreach.

QA/QC Staff Histogram (Based on monthly averages from the construction schedule's early start dates)

| | $\overline{}$ | | | | | | | | | | | 20 | 023 | | | | | | | | | | | 2024 | | | | | | _ | | | | | 24 | 025 | | | | | | | | _ | | | 202 | 26 | | | | _ |
|-------------------------------|---------------|-----|-----|-----|-----|-----|----------|-----|----|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-------|----|----|---|------|--------|------|-------|----|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|-----|---------------|-----|-------|-------|-------|
| | + | | | _ | | _ | \vdash | | _ | _ | 1 | _ | _ | 1 | | | ı — | _ | | _ | r = | П | | _ | | | | _ | | + | - | _ | _ | _ | _ | _ | 1 | 1 | 1 | 1 | | | | _ | П | - | - | $\overline{}$ | | | | _ |
| Description | \perp | Aug | Sep | Oct | Nov | Dec | c Jan | Feb | Ma | r Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | | Jun . | | | | ct N | lov De | c Ja | n Fel | | | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep O | ct No | w Dec |
| Bridge Crews | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 6 | 8 | 9 | 10 | 10 | 13 | 20 | 20 | 15 | 14 | 10 | 8 | 3 | 2 6 | 18 | 3 12 | 14 | 14 | 15 | 12 | 11 | 10 | 9 | 6 | 5 | 5 | 7 | 5 | 7 | 4 | 3 | 1 | 0 | 0 | 0 (|) (| 0 |
| Roadway Crews | | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 5 | 6 | 5 | 4 | 4 | 2 | 3 | 2 2 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 4 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| QA Staffing Plan | | | | | | + | + | + | + | + | - | | | | | | | | | | | | | | - | + | + | + | + | + | + | + | \dagger | + | 1 | | ╫ | 1 | | | | | | H | | \dashv | | | | | + | + |
| QA Manager | | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 : | 1 1 | . 1 |
| Assistant QA Manager | | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 : | 1 1 | . 1 |
| Lead Bridge Inspector | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | 1 | . 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 (|) (| 0 |
| Lead Roadway Inspector | | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 : | 1 1 | . 1 |
| Regular Inspector/Technicians | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 7 | 7 | 5 | 5 | 4 | 2 | 2 | 0 1 | 6 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 3 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 1 |) (| 0 0 |
| Office Engineer | | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | ı | 1 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 : | 1 | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ∟' | | | | | | | | |
| QC Staffing Plan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | L | | | | | | | | |
| QC Manager | | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | . 1 |
| Assistant QC Manager | | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | 1 | . 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | 1 |
| Lead Bridge Inspector | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | L | 1 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 (|) (| 0 |
| Lead Roadway Inspector | | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | L | . 1 |
| Regular Inspector/Technicians | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 4 | 6 | 5 | 5 | 8 | 11 | 11 | 9 | 7 | 5 | 3 | : T | 0 2 | 9 | 6 | 7 | 7 | 9 | 7 | 7 | 5 | 5 | 3 | 2 | 2 | 3 | 2 | 3 | 1 | 1 | 0 | 0 | 0 | 0 (|) (| 0 |
| Office Engineer | | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | 1 |

Figure 4.6.4: QA/QC Staffing







Subcontractor and Material Supplier Scheduling

Over the last forty years the DBT has developed relationships with local subcontractors and vendors (including DBEs and SWaMs) that will supplement our internal crews to maintain the project schedule.

Subcontractors and material suppliers are a critical part of the project schedule. The DBT will closely evaluate each subcontractor and supplier based on quality, performance, and reputation. Beginning with the initial subcontract paperwork, each subcontractor will be intimately involved with every aspect of the project schedule, and their input will be vital. Suppliers will go through a similar process. This includes progress meetings, weekly look-ahead schedules, material submittals, and recovery strategies if needed. Accountability is the key to effective subcontractor and supplier management, and it will be perfectly clear that subcontractors and suppliers will be held accountable for all aspects of their work from quality to schedule.

Schedule Recovery

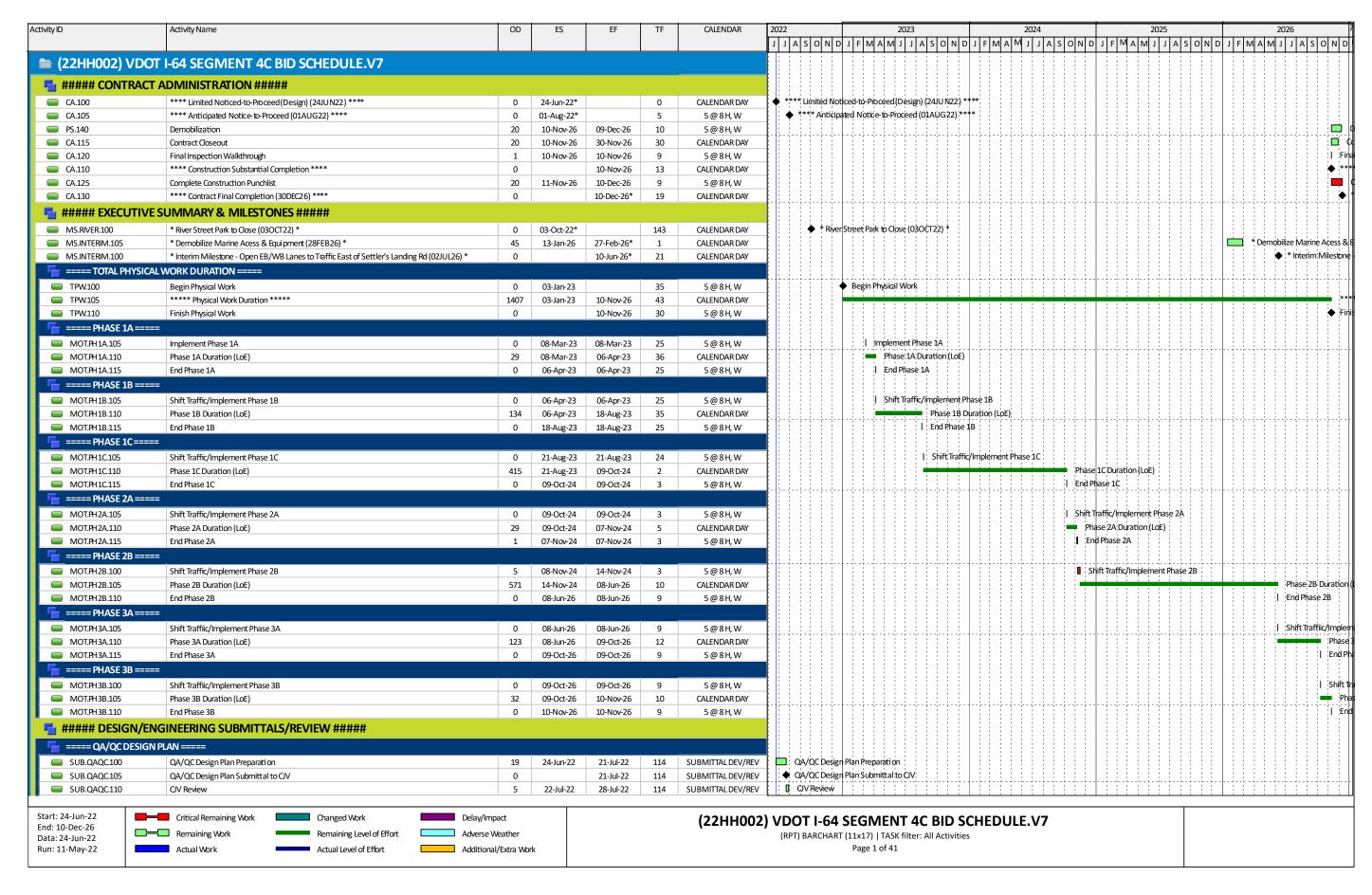
Unexpected issues and unforeseen conditions are a possibility during the construction process. The DBT includes many experienced and wellrespected members in the DB field with the ability to recognize and react to any issues that may arise. Specifically, the DBT's local crews are experienced in the safe an efficient construction of projects of similar scope and complexity. The DBT has the ability to self perform all activities of work that are critical to control the schedule. We will aggressively manage the project and, if needed, mitigate issues that affect the construction schedule. If necessary, a schedule recovery strategy will be developed, immediately implemented, and closely monitored until the schedule is recovered. Should schedule recovery be required, the DBT has two Field Service Centers (FSC) in close proximity to this Project. We have a local equipment fleet valued at over \$75 million and over 500 regional construction professionals. The DBT has active marine operations already mobilized into the project area. Therefore, Wagman's resources can be quickly mobilized to recover the schedule.

4.6.3 Proposal Schedule in electronic format (XER file)

The DBT has provided a copy of the Proposal Schedule and narrative in PDF format as well as a backup copy of the Proposal Schedule's source document in XER format.

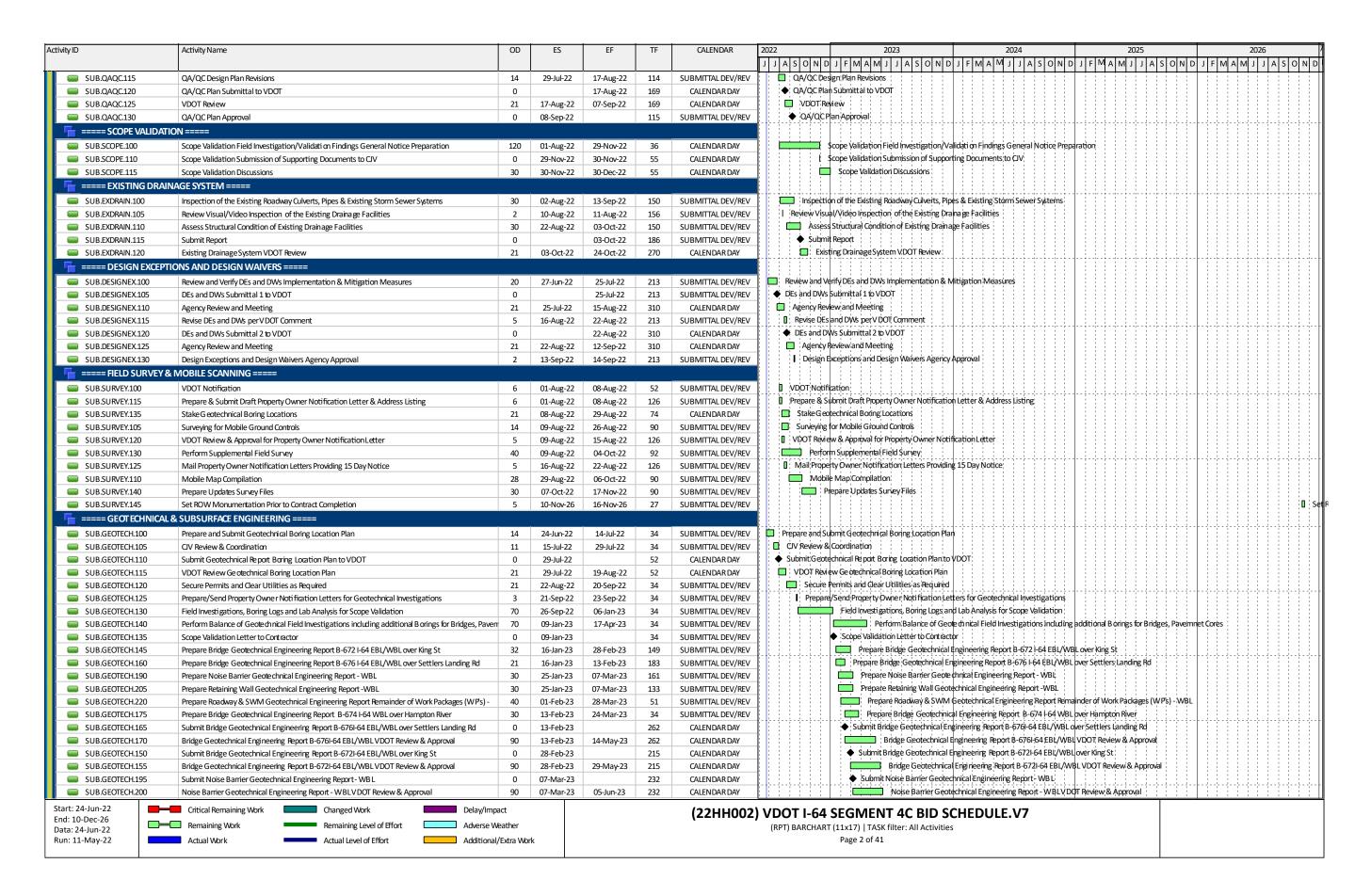






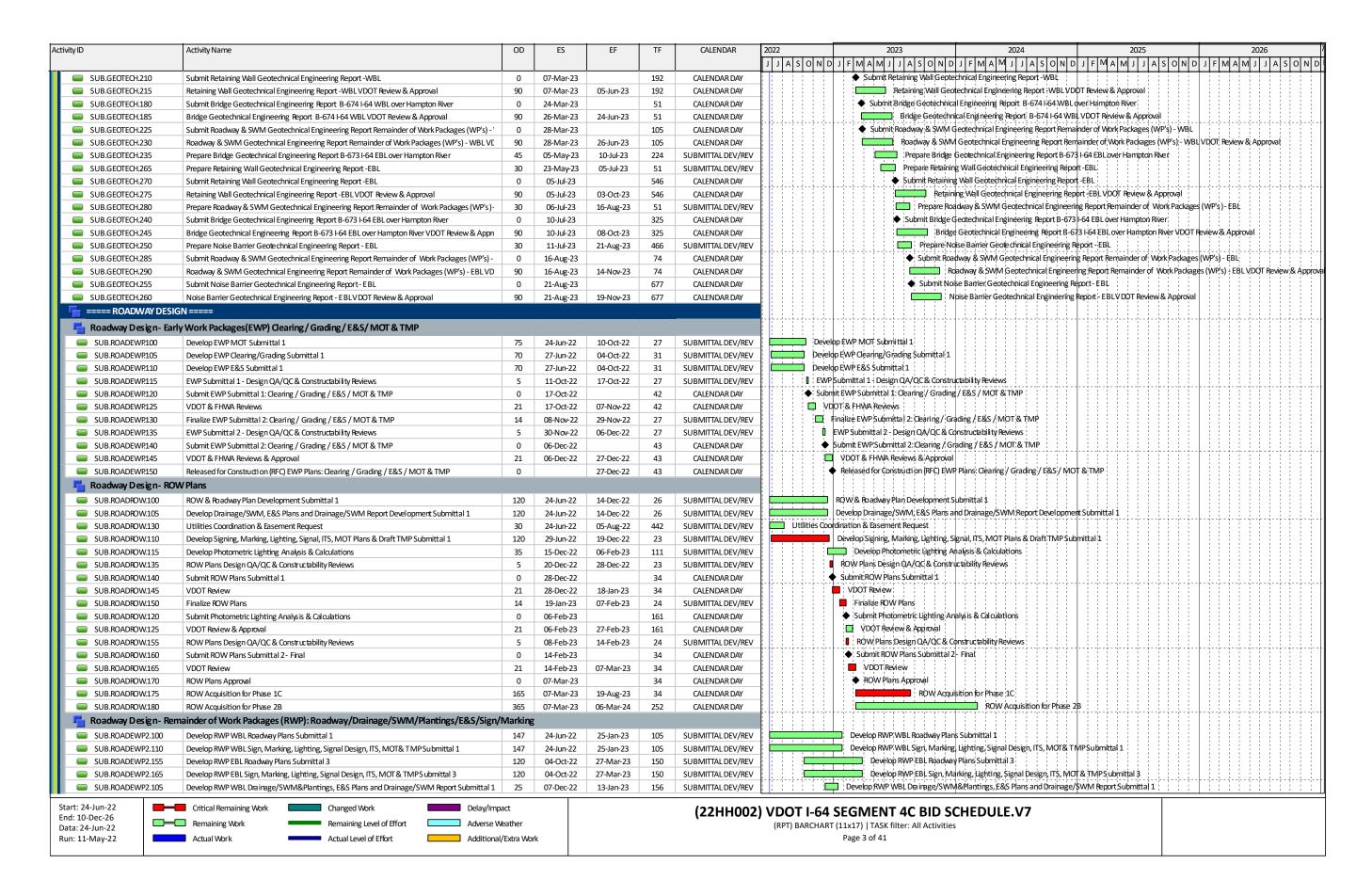


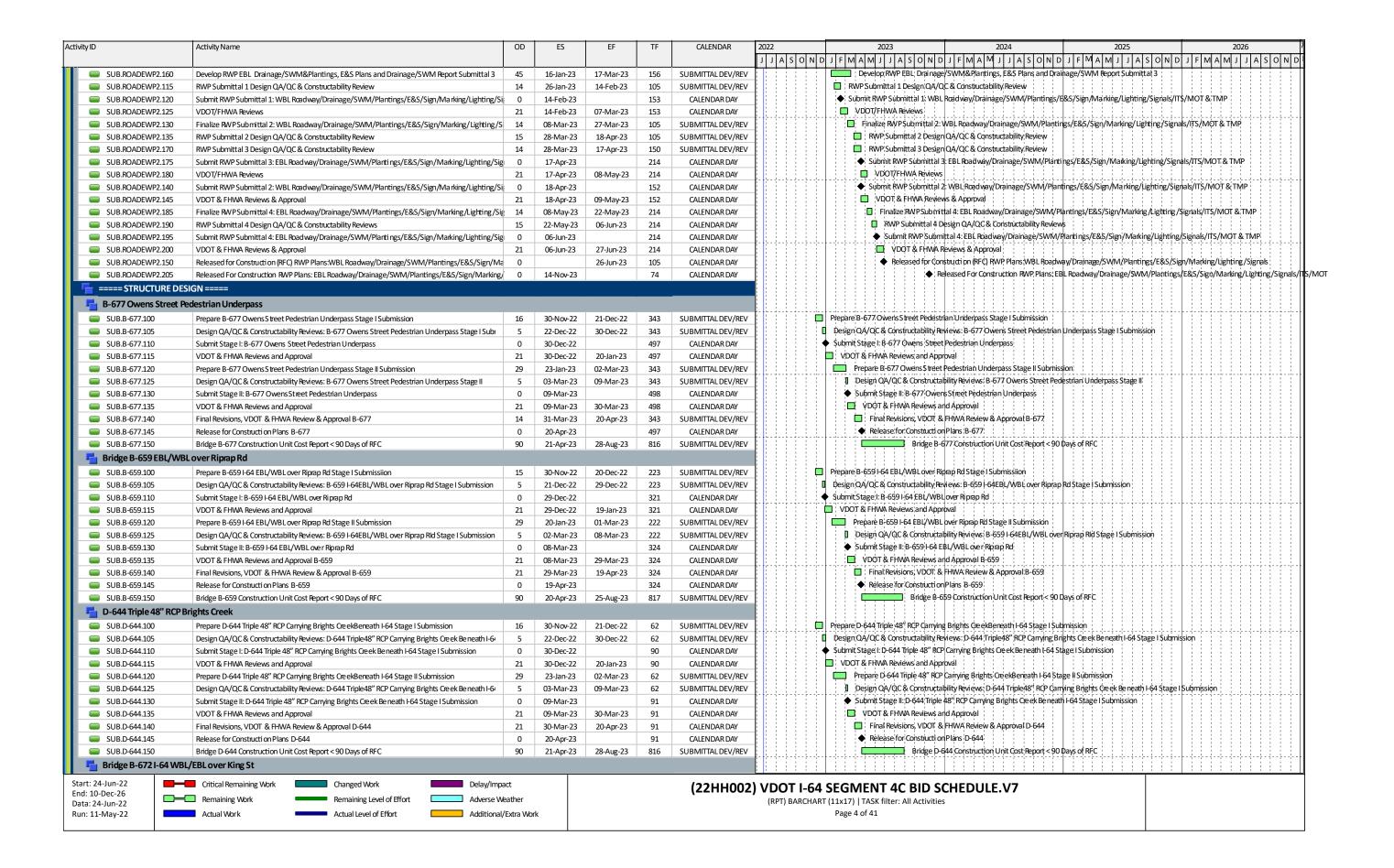












| vity ID | Activity Name | OD | ES | EF | TF | CALENDAR | 2022 2023 2024 2025 2026 J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O |
|--|---|--------|-----------|-------------|------|--------------------|---|
| SUB.B-672.100 | Prepare B-672 I-64 EBL/WBL over King St Stage I Submission | 15 | 29-Nov-22 | 14-Dec-22 | 263 | CALENDAR DAY | Prepare B-672 F64 EBL/WBL over King St Stage I Submission |
| SUB.B-672.105 | Design QA/QC & Constructability Reviews: B-672 I-64EBL/WBL over King St Stage I Submission | 5 | 14-Dec-22 | 19-Dec-22 | 263 | CALENDAR DAY | Design QA/QC & Constructability Reviews: B-672 H64EBL/WBL over King St Stage I Submission |
| SUB.B-672.110 | Submit Stage I: B-672 I-64 EBL/WBL over King St | 0 | 19-Dec-22 | | 263 | CALENDAR DAY | ♦ Súbmit Stage I: B-672 I-64 EBL/WBL over King St |
| SUB.B-672.115 | VDOT & FHWA Reviews and Approval | 21 | 19-Dec-22 | 09-Jan-23 | 263 | CALENDAR DAY | □ VDOT.& FHWA\Reviews and Approval |
| SUB.B-672.120 | Prepare B-672 I-64 EBL/WBL over King St Stage II Submission | 45 | 09-Jan-23 | 23-Feb-23 | 263 | CALENDAR DAY | Prepare B-672 I-64 EBL/WBL over King St Stage II Submission |
| SUB.B-672.125 | Design QA/QC & Constructability Reviews: B-672 I-64EBL/WBL over King St Stage II Submission | 5 | 23-Feb-23 | 28-Feb-23 | 263 | CALENDAR DAY | I Design QA/QC & Constructability Peviews: B-672,1-64EBI./WBI. over King St Stage II Submission |
| SUB.B-672.130 | Submit Stage II: B-672 I-64 EBL/WBL over KingSt | 0 | 28-Feb-23 | | 263 | CALENDAR DAY | ♦ Submit Stage II: B-672 I-64 EBL/WBL over King St |
| SUB.B-672.135 | VDOT & FHWA Reviews and Approval | 21 | 28-Feb-23 | 21-Mar-23 | 263 | CALENDAR DAY | □ VDOT & FHWA Reviews and Approval |
| SUB.B-672.140 | Final Revisions, VDOT & FHWA Review & Approval B-672 | 21 | 21-Mar-23 | 11-Apr-23 | 263 | CALENDAR DAY | Firjal Revisions, VDDT & PHWA Review & Approval B-672 |
| SUB.B-672.145 | Release for Construction Plans B-672 | 0 | 29-May-23 | | 215 | CALENDAR DAY | ◆ Release for Construction Plans B-672 |
| SUB.B-672.150 | Bridge B-672 Construction Unit Cost Report < 90 Days of RFC | 90 | 29-May-23 | 27-Aug-23 | 1184 | CALENDAR DAY | Bridge B-672 Construction Unit Cost Peport < 90 Days of RFC |
| Bridge B-676 I-64 EBL/\ | WBL over Settlers Landing Rd | | | | | | |
| SUB.B-676.100 | Prepare B-676 I-64 EBL/WBL over Sett lers Landing RdStage I Submission | 15 | 29-Nov-22 | 14-Dec-22 | 280 | CALENDAR DAY | Prepare B-676 I-64 EBL/WBL over Sett lers Landing;RdStage (Submission) |
| SUB.B-676.105 | Design QA/QC & Constructability Reviews: B-676 I-64EBL/WBL over Settlers Landing Rd Stage I Subr | | 14-Dec-22 | 19-Dec-22 | 280 | CALENDAR DAY | Design QA/QC& Constructability Reviews: B-676 I-64EBL/WBL over Settlers Landing Rd Stage I Submission |
| SUB.B-676.110 | Submit Stage I: B-676 I-64 EBL/WBL over Settlers Landing Rd | 0 | 19-Dec-22 | 25 500 22 | 280 | CALENDAR DAY | ◆ Submit Stage I: B-676 I-64 EBL/WBL over Settlers Landing Rd |
| SUB.B-676.115 | VDOT & FHWA Reviews and Approval | 21 | 19-Dec-22 | 09-Jan-23 | 280 | CALENDAR DAY | □ VDOT & FHWA Reviews and Approval |
| SUB.B-676.120 | Prepare B-676 I-64 EBL/WBL over Sett lers Landing RdStage II Submission | 60 | 09-Jan-23 | 10-Mar-23 | 280 | CALENDAR DAY | Prepare B-676 I-64 EBL/WBI over Sett lers Landing RdStage II Submission |
| SUB.B-676.125 | Design QA/QC & Constructability Reviews: EBL/WBL over Settlers Landing Rd Stage II Submission | 5 | 10-Mar-23 | 15-Mar-23 | 280 | CALENDAR DAY | Design QA/QC& Constructability Reviews: EBL/WBL over/Settlers Landing Rd Stage II Submission |
| SUB.B-676.130 | Submit Stage II: EBL/WBL over Sett lers Landing Rd | 0 | 20 23 | 15-Mar-23 | 280 | CALENDAR DAY | ♦ Submit Stage II: EBL/WBL over Settler's Landing 'Rd' |
| SUB.B-676.135 | VDOT & FHWA Reviews and Approval | 21 | 15-Mar-23 | 05-Apr-23 | 280 | CALENDAR DAY | VDOT & FHWA Reviews and Approval |
| SUB.B-676.140 | Final Revisions, VDOT & FHWA Review & Approval B-676 | 21 | 05-Apr-23 | 26-Apr-23 | 280 | CALENDAR DAY | □ Final Revisions, VDOT & FHWA Review & Approval B-676 |
| SUB.B-676.145 | Release for Construction Plans B-676 | 0 | 14-May-23 | 2071pi 23 | 262 | CALENDAR DAY | ◆ Release for Construction Plans B-676 |
| SUB.B-676.150 | Bridge B-676 Construction Unit Cost Report <90 Days of RFC | 90 | 14-May-23 | 12-Aug-23 | 1199 | CALENDAR DAY | Bridge B+676 Construction Unit:Cost Report <90:Days of RFC |
| Bridge B-674 I-64 WBL | · · · | 30 | 14 May 25 | 12 / lug 23 | 1133 | G ILLIAD III DI II | |
| _ | | | | | | | <u> </u> |
| SUB.B-674.100 | Prepare B-674 I-64 WBL over Hampton River Stage I Submission | 30 | 29-Nov-22 | 29-Dec-22 | 36 | CALENDAR DAY | Preparé B-674 I-64 WBL over Hampton River Stage I Submission |
| SUB.B-674.105 | Design QA/QC & Constructability Reviews: B-674 I-64WBL over Hampton River Stage I Submission | 21 | 29-Dec-22 | 19-Jan-23 | 36 | CALENDAR DAY | Design QA/QC & Constructability Reviews: B-674 i-64WBL over Hampton River Stage I Submission |
| SUB.B-674.110 | Submit Stage I: B-674 I-64 WBL over Hampton River | 0 | 19-Jan-23 | | 36 | CALENDAR DAY | ◆ Submit Stage I: B-674 I-64 WBL over Hampton River |
| SUB.B-674.115 | VDOT & FHWA Reviews and Approval | 21 | 19-Jan-23 | 09-Feb-23 | 36 | CALENDAR DAY | □ ;VDOT & FHWA;Reviews and;Approval; |
| SUB.B-674.120 | Prepare B-674 I-64 WBL over Hampton River Stage II Submission | 60 | 09-Feb-23 | 10-Apr-23 | 54 | CALENDAR DAY | Prépare B-674 I-64 WBL over Hampton River Stage II Submission |
| SUB.B-674.125 | Design QA/QC & Constructability Reviews: B-674 I-64WBL over Hampton River Stage II Submission | 21 | 10-Apr-23 | 01-May-23 | 54 | CALENDAR DAY | Design QA/QC & Constructability Reviews: B-674 I-64WBL over Hampton River Stage III Submission |
| SUB.B-674.130 | Submit Stage II: B-676 I-64 WBL over SB-674 I-64 EBL/WBL over Hampton River | 0 | 01-May-23 | | 54 | CALENDAR DAY | ♦ Submit Stage II: 8-676 II-64 WBL over S B-674 I-64E BL/WBL over Hampton River |
| SUB.B-674.135 | VDOT & FHWA Reviews and Approval | 21 | 01-May-23 | 22-May-23 | 54 | CALENDAR DAY | UDOT & FHWA Revielws and Approval |
| SUB.B-674.140 | Final Revisions, VDOT & FHWA Review & Approval B-674 | 30 | 22-May-23 | 21-Jun-23 | 54 | CALENDAR DAY | Final Revisions; VI)OT, & FHWA Review & Approval B-674 |
| SUB.B-674.145 | Release for Construction Plans B-674 | 0 | 24-Jun-23 | | 51 | CALENDAR DAY | Release for Constluction Plans; B-674 |
| SUB.B-674.150 | Bridge B-674 Construction Unit Cost Report < 90 Days of RFC | 90 | 24-Jun-23 | 22-Sep-23 | 1158 | CALENDAR DAY | Bridge B-674 Construction Unit Cost Report'< 90 Days of RFC |
| Bridge B-673 I-64 EBL o | over Hampton River | | | | | | |
| SUB.B-673.100 | Prepare B-673 I-64 EBL over Hampton River Stage I Submission | 120 | 29-Nov-22 | 29-Mar-23 | 224 | CALENDAR DAY | Prepare B-673 F64 EBL over Hampton River Stage I Submission |
| SUB.B-673.105 | Design QA/QC & Constructability Reviews: B-673 I-64EBL over Hampton River Stage I Submission | 21 | 29-Mar-23 | 19-Apr-23 | 224 | CALENDAR DAY | Design QA/QC & Constructability Reviews: B-673 I-64EBL; over Hampton River Stage I Submission |
| SUB.B-673.110 | Submit Stage I: B-673 I-64 EBL over Hampton River | 0 | 19-Apr-23 | | 224 | CALENDAR DAY | ◆ Submit \$tage I. B-673 I-64 EBL over Hampton River. |
| SUB.B-673.115 | VDOT & FHWA Reviews and Approval | 21 | 19-Apr-23 | 10-May-23 | 224 | CALENDAR DAY | □ VDOT,& FHVWA Reviews and Approval |
| SUB.B-673.120 | Prepare B-673 I-64 EBL/WBL over EBL over Hampton River Stage II Submission | 120 | 10-May-23 | 07-Sep-23 | 224 | CALENDAR DAY | Prepare B-673 I-64 EBL/WBL over EBL over Hampton River Stage II Submission |
| SUB.B-673.125 | Design QA/QC & Constructability Reviews: B-673 I-64EBL over Hampton River Stage II Submission | 21 | 07-Sep-23 | 28-Sep-23 | 224 | CALENDAR DAY | Design QA/QC & Constructability Peviews: B-673 F-64EBL over Hampton River Stage II Submission |
| SUB.B-673.130 | Submit Stage II: B-673 I-64 EBL over Hampton River | 0 | 28-Sep-23 | | 224 | CALENDAR DAY | ♦ Submit Stage II: B-673 I-64 EBL over Hampton River |
| SUB.B-673.135 | VDOT & FHWA Reviews and Approval | 21 | 28-Sep-23 | 19-Oct-23 | 224 | CALENDAR DAY | □: VDOT & FHWA Reviews and Approval |
| SUB.B-673.140 | Final Revisions, VDOT & FHWA Review & Approval B-673 | 90 | 19-Oct-23 | 17-Jan-24 | 224 | CALENDAR DAY | Final Revisions; VDOT, & FHWA\Review & Approval; B-673 |
| SUB.B-673.145 | Release for Construction Plans B-673 | 0 | 17-Jan-24 | | 224 | CALENDAR DAY | ◆ Rélease for Construction Plans B-d73 |
| SUB.B-673.150 | Bridge B-673 Construction Unit Cost Report < 90 Days of RFC | 90 | 17-Jan-24 | 16-Apr-24 | 951 | CALENDAR DAY | Bridge B-673 Construction Unit Cost Report < 90 Days of RFC |
| WBL Retaining Walls | | | | | | | |
| SUB.WBRET.100 | Prepare WBL Retaining Walls Preliminary Submission | 21 | 14-Feb-23 | 07-Mar-23 | 188 | CALENDAR DAY | Prepare WBL Retaining Walls Preliminary Submission |
| SUB.WBRET.105 | Design QA/QC & Constructability Reviews: WBL Retaining Walls Stage I Submission | 5 | 07-Mar-23 | 12-Mar-23 | 188 | CALENDAR DAY | Design QA/QC & Constructability Reviews: WBL Retaining Walls Stage Submission |
| SUB.WBRET.110 | Submit Stage I: WBL Retaining Walls | 0 | 12-Mar-23 | | 188 | CALENDAR DAY | Submit Stage I:WBL Retaining Walls |
| SUB.WBRET.115 | VDOT & FHWA Reviews and Approval | 21 | 12-Mar-23 | 02-Apr-23 | 188 | CALENDAR DAY | UDOT & FHWA Reviews and Approval |
| SUB.WBRET.120 | Prepare WBL Retaining Walls Stage II Submission | 5 | 02-Apr-23 | 07-Apr-23 | 188 | CALENDAR DAY | Prepare WBL Retaining Walls Stage II Submission |
| SUB.WBRET.125 | Design QA/QC & Constructability Reviews: WBL Retaining Walls Stage II Submission | 21 | 07-Apr-23 | 28-Apr-23 | 188 | CALENDAR DAY | □ Design QA/QC & Constructability Reviews: WBL Retaining Walls Stage II Submission |
| SUB.WBRET.130 | Submit Stage II: WBL Retaining Walls | 0 | 28-Apr-23 | 20-Mp1-23 | 188 | CALENDAR DAY | |
| | SANTIE SARRE II. AADE LE RIIIIII R. AAGUS | U | 20-Ahi-52 | | 100 | CALLINDANDAI | |
| : 24-Jun-22 10-Dec-26 : 24-Jun-22 11-May-22 | Critical Remaining Work Changed Work Delay/Impa Remaining Work Remaining Level of Effort Adverse We Actual Work Actual Work Additional/ | eather | rk | | | (22HH002 | (RPT) BARCHART (11x17) TASK filter: All Activities Page 5 of 41 |

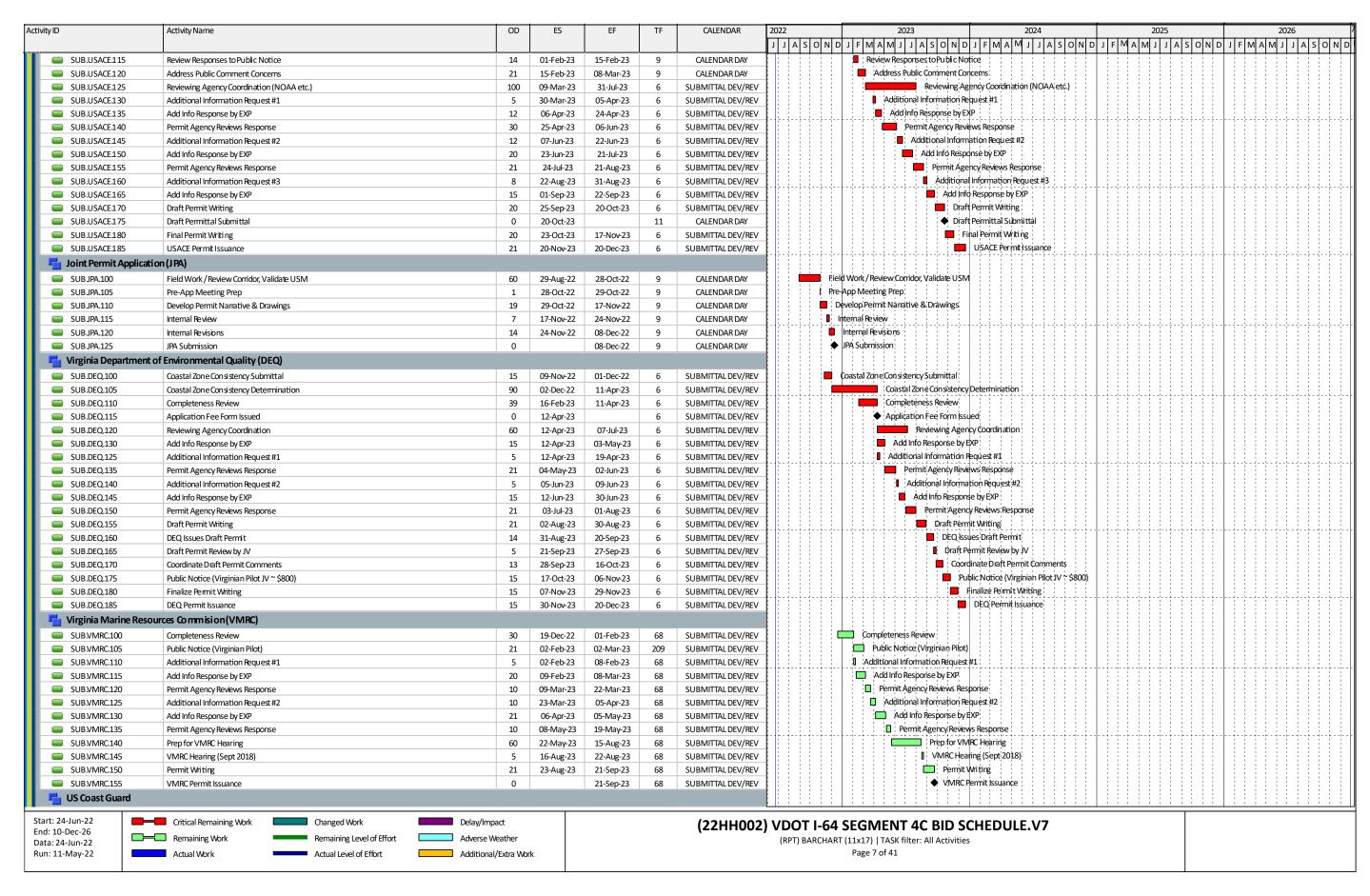




| ty ID | Activity Name | OD | ES | EF | TF | CALENDAR | 2022 2023 2024 2025 2026 J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S |
|--|---|--------|------------------------|------------------------|-----|----------------------------|--|
| SUB.WBRET.135 | VDOT & FHWA Reviews and Approval | 21 | 28-Apr-23 | 19-May-23 | 188 | CALENDAR DAY | VDOT & FHWA Reviews and Approval |
| SUB.WBRET.140 | Final Revisions, VDOT & FHWA Review & Approval WBL Retaining Walls | 21 | 19-May-23 | 09-Jun-23 | 188 | CALENDAR DAY | : : : : : : : : : : : : : : : : : : : |
| SUB.WBRET.145 | Release for Construction Plans WBL Retaining Walls | 0 | | 09-Jun-23 | 188 | CALENDAR DAY | Release for Construction Plans WBL Retaining Walls |
| WBL Ground-Mounte | ed So und Walls | | | | | | |
| SUB.WBSOUNDW.100 | Prepare WBL Ground-Mounted Noise Walls Preliminary Submission | 60 | 14-Feb-23 | 15-Apr-23 | 181 | CALENDAR DAY | Prepare WBL Ground: Mounted Noise Walls Preliminary Submission |
| SUB.WBSOUNDW.105 | Design QA/QC & Constructability Peviews: WBL Ground-Mounted Noise Walls Stage I Submission | 5 | 15-Apr-23 | 20-Apr-23 | 181 | CALENDAR DAY | Design QA/QC & Constructability Peviews: WBL Ground-Mounted Noise Walls Stage Submission |
| SUB.WBSOUNDW.110 | Submit Stage I: WBL Ground-Mounted Noise Walls | 0 | 20-Apr-23 | | 181 | CALENDAR DAY | ◆ Submit Stage I: WBL Ground -Mounted Noise Walls |
| SUB.WBSOUNDW.115 | VDOT & FHWA Reviews and Approval | 21 | 20-Apr-23 | 11-May-23 | 181 | CALENDAR DAY | □ VDOT & FHWA:Reviews and Approval; |
| SUB.WBSOUNDW.120 | Prepare WBL Ground-Mounted Noise Walls Stage II Submission | 29 | 11-May-23 | 09-Jun-23 | 181 | CALENDAR DAY | Prépare WBL Ground-Mounted Noise Walls Stage II Submission |
| SUB.WBSOUNDW.125 | Design QA/QC & Constructability Reviews: WBL Retaining Ground-Mounted Noise Stage II Submis | 5 | 09-Jun-23 | 14-Jun-23 | 181 | CALENDAR DAY | Design QA/QC & Constructability Peviews: WBL: Retaining Ground-Mounted Noise \$ tage II Submission |
| SUB.WBSOUNDW.130 | Submit Stage II: WBL Ground-Mounted Noise Walls | 0 | 14-Jun-23 | | 181 | CALENDAR DAY | Submit Stage II; WBL Ground-Mounted Noise Walls |
| SUB.WBSOUNDW.135 | VDOT & FHWA Reviews and Approval | 21 | 14-Jun-23 | 05-Jul-23 | 181 | CALENDAR DAY | □ VDOT'& FHWA Reviews and Approval |
| SUB.WBSOUNDW.140 | Final Revisions, VDOT & FHWA Review & Approval WBL Ground-Mounted Noise Walls | 21 | 05-Jul-23 | 26-Jul-23 | 181 | CALENDAR DAY | : III Final Revisions, VDOT & FHWA Review & Approval WBL Ground-Mounted Noise Walls |
| SUB.WBSOUNDW.145 | Release for Construction Plans WBL Ground-Mounted Noise Walls | 0 | | 26-Jul-23 | 181 | CALENDAR DAY | ♦ Release for Construction Plans' WBL Ground-Mounted Noise Walls |
| EBL Retaining Walls | | | | | | | |
| SUB.EBRET.100 | Dronara EDI. Potaining Walls Proliminary Submission | 21 | 17-Apr-23 | 08-May-23 | 600 | CALENDAR DAY | Prépare EBL Retaining Walls Preliminary Submission |
| SUB.EBRET.105 | Prepare EBL Retaining Walls Preliminary Submission Design QA/QC & Constructability Reviews: EBL Retaining Walls Stage I Submission | 5 | 08-May-23 | 13-May-23 | 600 | CALENDAR DAY | Design QA/QC & Constructability Reviews: EBL Retaining Walls Stage Submission |
| SUB.EBRET.110 | Submit Stage I: EBL Retaining Walls | 0 | 13-May-23 | TO-IVIAY-23 | 600 | CALENDAR DAY CALENDAR DAY | Submit Stage I: EBL Retaining Walls Submit Stage I: EBL Retaining Walls |
| SUB.EBRET.110 SUB.EBRET.115 | | 21 | | 03-Jun-23 | 600 | CALENDAR DAY CALENDAR DAY | |
| SUB.EBRET.115 SUB.EBRET.120 | VDOT & FHWA Reviews and Approval Prepare EBL Retaining Walls Stage II Submission | 5 | 13-May-23 03-Jun-23 | 03-Jun-23 08-Jun-23 | 600 | CALENDAR DAY CALENDAR DAY | Prepare EBL Retaining Walls Stage II Submission |
| | | 21 | | 29-Jun-23 | | CALENDAR DAY | Design QA/QC & Constructability Reviews: EBL Retaining Walls Stage II Submission |
| SUB.EBRET.125 SUB.EBRET.130 | Design QA/QC & Constructability Reviews: EBL Retaining Walls Stage II Submission | 0 | 08-Jun-23 | 29-Jun-25 | 600 | | |
| | Submit Stage II: EBL Retaining Walls | 21 | 29-Jun-23 | 20 1.4 22 | 600 | CALENDAR DAY | ▼ Submit Stage in the Lamining Wains VDOT & FHWA Reviews and Approval |
| SUB.EBRET.135 | VDOT & FHWA Reviews and Approval | | 29-Jun-23 | 20-Jul-23 | 600 | CALENDAR DAY | Final Revisions, VDOT & FHWA Review & Approval EBL Retaining Walls |
| SUB.EBRET.140 | Final Revisions, VDOT & FHWA Review & Approval EBL Retaining Walls | 21 | 20-Jul-23 | 10-Aug-23 | 600 | CALENDAR DAY | 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - |
| SUB.EBRET.145 | Release for Construction Plans EBL Retaining Walls | 0 | | 03-Oct-23 | 546 | CALENDAR DAY | ♦ Release för Constructi on Plans EBL Retäining Walls |
| EBL Ground Mounted | dSound Walls | | | | | | f : : : : : : : : : : : : : : : : |
| SUB.EBSOUNDW.100 | Prepare EBL Ground-Mounted Noise Walls Preliminary Submission | 60 | 17-Apr-23 | 16-Jun-23 | 752 | CALENDAR DAY | Prepare EBL Ground-Mounted Noise Walls Preliminary Submission |
| SUB.EBSOUNDW.105 | Design QA/QC & Constructability Reviews: EBL Ground-Mounted Noise Walls Stage I Submission | 5 | 16-Jun-23 | 21-Jun-23 | 752 | CALENDAR DAY | Design QA/QC & Constructability Reviews: EBL Ground-Mounted Noise Walls Stage I Submission |
| SUB.EBSOUNDW.110 | Submit Stage I: EBL Ground-Mounted Noise Walls | 0 | 21-Jun-23 | | 752 | CALENDAR DAY | ♦ Submit \$tage I; EBL Ground-Mounted Noise Walls |
| SUB.EBSOUNDW.115 | VDOT & FHWA Reviews and Approval | 21 | 21-Jun-23 | 12-Jul-23 | 752 | CALENDAR DAY | UDOT & FHWA Reviews and Approval |
| SUB.EBSOUNDW.120 | Prepare EBL Ground-Mounted Noise Walls Stage II Submission | 29 | 12-Jul-23 | 10-Aug-23 | 752 | CALENDAR DAY | Prépaire EBL Ground-Mountéd Noise Walls Stage II Submission |
| SUB.EBSOUNDW.125 | Design QA/QC & Constructability Reviews: EBL Retaining Ground-Mounted Noise Stage II Submiss | 5 | 10-Aug-23 | 15-Aug-23 | 752 | CALENDAR DAY | 1 Design QA/QC& Constructability Peviews: EBL Retaining Ground-Mounted Noise Stage II Submission |
| SUB.EBSOUNDW.130 | Submit Stage II: EBL Ground-Mounted Noise Walls | 0 | 15-Aug-23 | | 752 | CALENDAR DAY | ◆ Submit Stage II; EBL Ground Mounted Noise Walls |
| SUB.EBSOUNDW.135 | VDOT & FHWA Reviews and Approval | 21 | 15-Aug-23 | 05-Sep-23 | 752 | CALENDAR DAY | DOT & FHWA Reviews and Approval |
| SUB.EBSOUNDW.140 | Final Revisions, VDOT & FHWA Review & Approval EBL Ground-Mounted Noise Walls | 21 | 19-Nov-23 | 10-Dec-23 | 677 | CALENDAR DAY | Final Revisions, VDOT & FHWA Review & Approval EBL Ground-Mounted Noise Walls |
| SUB.EBSOUNDW.145 | Release for Construction Plans EBL Ground-Mounted Noise Walls | 0 | | 10-Dec-23 | 677 | CALENDAR DAY | Release for Construction Plans EBL Ground-Mounted Noise Walls |
| ===== ENVIRONMENT | TAL ===== | | | | | | |
| Hazardous Materials | | | | | | | |
| SUB.HAZM.100 | Prepare Spill Prevention, Control and Countermeasure Plan (SPCC) Contractor Activity | 35 | 02-Aug-22 | 20-Sep-22 | 32 | SUBMITTAL DEV/REV | Prepare Spill Prevention, Control and Counte measure Plan (SPCC). Contractor Activity |
| SUB.HAZM.105 | Develop Hazardous Material Phase I ESA | 19 | 16-Aug-22 | 12-Sep-22 | 32 | SUBMITTAL DEV/REV | Develop Hazarchus Material Phase I ESA |
| SUB.HAZM.120 | Perform Asbestos Inspection On All Structures | 29 | 30-Aug-22 | 10-Oct-22 | 6 | SUBMITTAL DEV/REV | Perform Asbestos Inspection On All Structures |
| SUB.HAZM.110 | Submit Hazardous Material Phase I ESA | 0 | 12-Sep-22 | 20 300 22 | 44 | CALENDAR DAY | ♦ Submit Hazardous Material Phase I ESA |
| SUB.HAZM.115 | VDOT Review/Approval SPCC | 21 | 13-Sep-22 | 04-Oct-22 | 44 | CALENDAR DAY | VDOT Review/Approval SPCC |
| SUB.HAZM.125 | Submit Asbestos Inspection Report | 0 | 10-Oct-22 | 5.50t ZZ | 9 | CALENDAR DAY | ◆ Submit Asbestos Inspection Report |
| SUB.HAZM.130 | VDOT/FHWA Hazardous Material Phase I ESA - Hold Point | 21 | 11-Oct-22 | 08-Nov-22 | 6 | SUBMITTAL DEV/REV | VDOT/FHWA Hazardous Material Phase IESA - Hold Point |
| Noise Abatement | V DO I/T TWO CHARLES THAT CHARLES TO THOU COME | | 11 000 22 | 00 1101 22 | | 30 DIVIII I/AE DE V/ NEV | |
| | Consolists Maries Alestanous | 100 | 02.4 : 22 | 10.4 | 124 | CLIDA METAL DEL //DEL | Complete Naire Abarbanat |
| SUB.NOISE.100 | Complete Noise Abatement | 180 | 02-Aug-22 | 19-Apr-23 | 134 | SUBMITTAL DEV/REV | Complete Noise Abatement |
| SUB.NOISE.105 | VDOT Review | 21 | 19-Apr-23 | 10-May-23 | 194 | CALENDAR DAY | □ VDOT.Review |
| SUB.NOISE.110 | Finalize Noise Abatement | 14 | 11-May-23 | 31-May-23 | 134 | SUBMITTAL DEV/REV | Finalizė Noisė Abatement |
| ===== PERMITS ===== | | | | | | | |
| US Army Corps of Eng | gineers (USACE) | | | | | | |
| SUB.USACE100 | Completeness Review | 30 | 12-Dec-22 | 25-Jan-23 | 6 | SUBMITTAL DEV/REV | Completeness Review |
| SUB.USACE105 | Public Notice Issuance | 0 | 25-Jan-23 | | 9 | CALENDAR DAY | ♦ Public Notice Issuance |
| SUB.USACE110 | Public Notice - Comment Period | 5 | 26-Jan-23 | 01-Feb-23 | 6 | SUBMITTAL DEV/REV | ■ Public Notice - Comment Perfod |
| | ! | | 1 | | | , | |
| t: 24-Jun-22 : 10-Dec-26 a: 24-Jun-22 : 11-May-22 | | eather | rk | | | (22HH002 | VDOT I-64 SEGMENT 4C BID SCHEDULE.V7 (RPT) BARCHART (11x17) TASK filter: All Activities Page 6 of 41 |

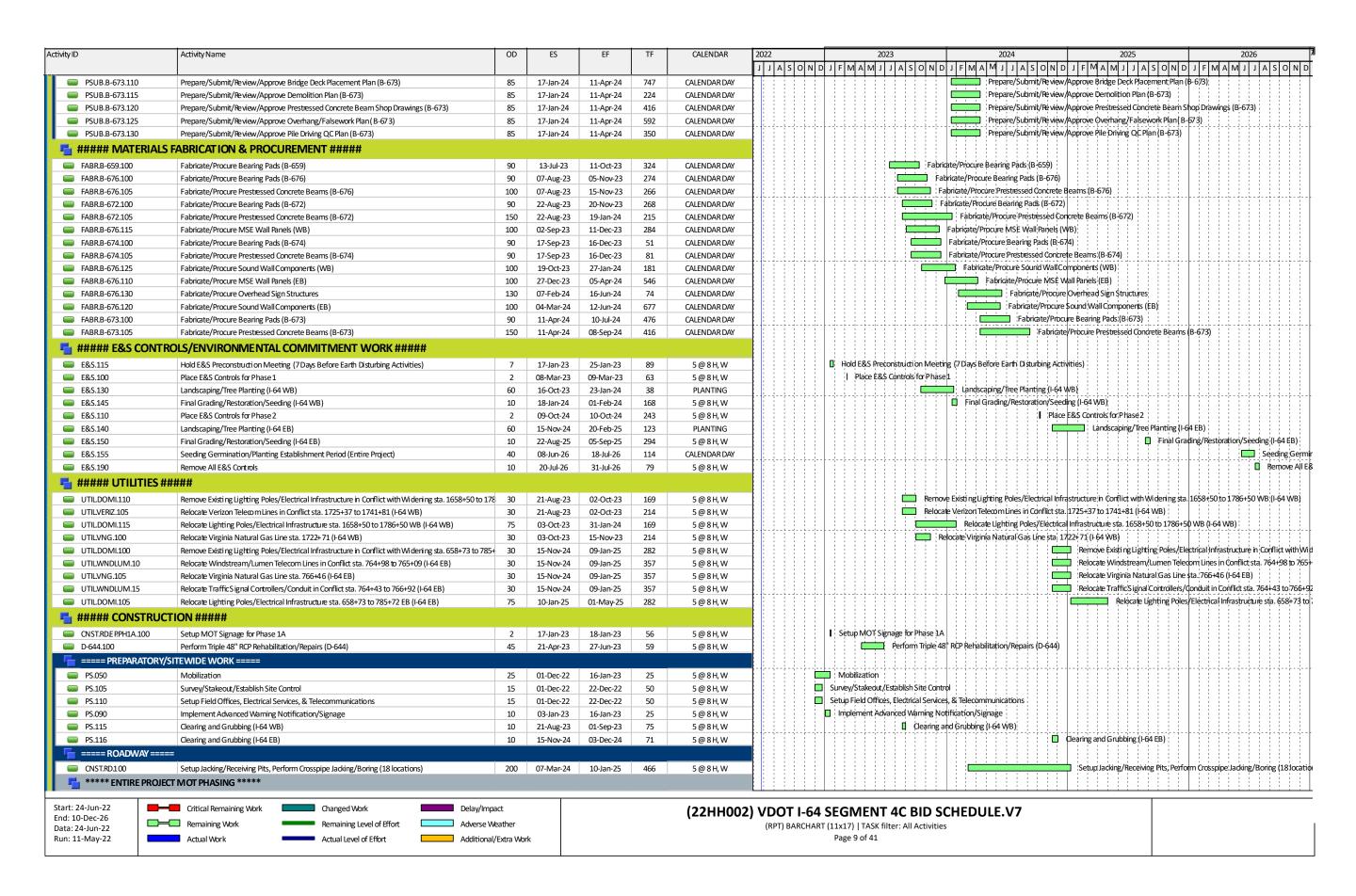






| rivity ID | Activity Name | OD | ES | EF | TF | CALENDAR | 2022 2023 2024 2025 2026 |
|--|---|---|-----------|------------|------|-------------------|---|
| | | | | | | | 1114501011 FMAM11145010 11 FMAM11145010 11 FMAM11145010 11 FMAM111A50 |
| SUB.USCG.160 | Reviewing Agency Coordination (NOAA etc.) | 110 | 24-Jun-22 | 30-Nov-22 | 151 | SUBMITTAL DEV/REV | Reviewing:Agency Coordination (NOAA)etc.) |
| SUB.USCG.165 | Additional Information Request #1 | 10 | 27-Sep-22 | 10-Oct-22 | 151 | SUBMITTAL DEV/REV | Additional Information Request #1 |
| SUB.USCG.170 | Add Info Response by EXP | 10 | 11-Oct-22 | 24-Oct-22 | 151 | SUBMITTAL DEV/REV | ☐ A'dd Info Response bly EXP |
| SUB.USCG.175 | Permit Agency Reviews Response | 21 | 25-Oct-22 | 22-Nov-22 | 151 | SUBMITTAL DEV/REV | Permit Agency Reviews Response |
| SUB.USCG.180 | Additional Information Request #2 | 5 | 23-Nov-22 | 01-Dec-22 | 151 | SUBMITTAL DEV/REV | [] Additional Information Request #2 |
| SUB.USCG.185 | Add Info Response by EXP | 10 | 02-Dec-22 | 15-Dec-22 | 151 | SUBMITTAL DEV/REV | : : : : Add Info;Response by EXP : : : : : : : : : : : : : : : : : : |
| SUB.USCG.190 | Permit Agency Reviews Response | 21 | 16-Dec-22 | 18-Jan-23 | 151 | SUBMITTAL DEV/REV | Pérmit Agehcy Reviews Response |
| SUB.USCG.195 | Additional Information Request #3 | 8 | 19-Jan-23 | 30-Jan-23 | 151 | SUBMITTAL DEV/REV | ☐ Additional Information Request #3 |
| SUB.USCG.200 | Add Info Response by EXP | 5 | 31-Jan-23 | 06-Feb-23 | 151 | SUBMITTAL DEV/REV | ☐ Add Info Response by EXP |
| SUB.USCG.205 | Draft Permit Writing | 21 | 07-Feb-23 | 07-Mar-23 | 151 | SUBMITTAL DEV/REV | Draft Permit Writing |
| SUB.USCG.210 | Draft Permit Submitted for Review by CJV | 4 | 08-Mar-23 | 13-Mar-23 | 151 | SUBMITTAL DEV/REV | ☐ Draft Permit Submitted for Review by CIV |
| SUB.USCG.215 | Final Permit Writing | 21 | 14-Mar-23 | 11-Apr-23 | 151 | SUBMITTAL DEV/REV | Final Permit Writing |
| SUB.USCG.220 | US Coast Guard Permit Issuance | 30 | 12-Apr-23 | 24-May-23 | 151 | SUBMITTAL DEV/REV | US Coast Guard Permit (ssúance |
| SUB.USCG.100 | Develop Permit Narrative & Drawings | 20 | 23-Aug-23 | 20-Sep-23 | 590 | SUBMITTAL DEV/REV | Develop Permit Narrative & Drawings |
| SUB.USCG.105 | Pre-App meeting with USCG | 5 | 21-Sep-23 | 27-Sep-23 | 590 | SUBMITTAL DEV/REV | ☐ Pre-App meeting with USCG |
| SUB.USCG.110 | Revise Permit Application Per Pre-App | 29 | 28-Sep-23 | 07-Nov-23 | 590 | SUBMITTAL DEV/REV | Revise Permit Application Per Pre-App |
| SUB.USCG.115 | GPC/CJV Review | 5 | 08-Nov-23 | 14-Nov-23 | 590 | SUBMITTAL DEV/REV | [] GPC/CIV Review |
| SUB.USCG.120 | Internal Revisions | 5 | 15-Nov-23 | 21-Nov-23 | 590 | SUBMITTAL DEV/REV | Internal Revisions |
| SUB.USCG.125 | VDOT Review | 21 | 22-Nov-23 | 22-Dec-23 | 590 | SUBMITTAL DEV/REV | VDOT Review |
| SUB.USCG.130 | Revisions to Permit a pplication/response to VDOT | 5 | 27-Dec-23 | 03-Jan-24 | 590 | SUBMITTAL DEV/REV | Revisions to Permit a pplication/response to VDOT Submittal to US Coact Guard Submittal to US Coact Guard |
| SUB.USCG.135 | Submittal to US Coast Guard | 0 | 04-Jan-24 | 25.4 . 2 . | 590 | SUBMITTAL DEV/REV | ◆ Submittalto,US;Coast G uard; |
| SUB.USCG.140 | Completeness Review | 80 | 04-Jan-24 | 25-Apr-24 | 590 | SUBMITTAL DEV/REV | Completeness Review ◆ Public Notice |
| SUB.USCG.145 | Public Notice | 0 | 26-Apr-24 | 07.1 . 24 | 590 | SUBMITTAL DEV/REV | |
| SUB.USCG.150 | Public Review | 30 | 26-Apr-24 | 07-Jun-24 | 590 | SUBMITTAL DEV/REV | Public Review |
| SUB.USCG.155 | Review Responses to Public Notice | 30 | 10-Jun-24 | 22-Jul-24 | 590 | SUBMITTAL DEV/REV | Review Responses to Public Notice |
| ===== PROJECT SUBM | | | , | | | | |
| PSUB.B-659.100 | Prepare/Submit/Review/Approve Temporary Support/Jacking System Plan (B-659) | 85 | 19-Apr-23 | 13-Jul-23 | 414 | CALENDAR DAY | Prepare/Submit/Review/Approve Temporary Support/Jacking System Plan (B-659) |
| PSUB.B-659.105 | Prepare/Submit/Review/Approve Bearing Pad Shop Drawings (B-659) | 85 | 19-Apr-23 | 13-Jul-23 | 324 | CALENDAR DAY | Prepaire/Submit/Review/Approve Bearing Pad Shop Drawings (B-659): |
| PSUB.B-659.110 | Prepare/Submit/Review/Approve Bridge Deck Overlay Placement Plan (B-659) | 85 | 19-Apr-23 | 13-Jul-23 | 1026 | CALENDAR DAY | Prepare/Submit/Review/Approve Bridge Deck Ove Hay Placement Plan (B-659) |
| PSUB.B-676.100 | Prepare/Submit/Review/Approve Temporary Support/Jacking System Plan (B-676) | 85 | 14-May-23 | 07-Aug-23 | 361 | CALENDAR DAY | Prepare/Submit/Review/Approve Temporary/Support/Jacking System Plan (B-676) |
| PSUB.B-676.105 | Prepare/Submit/Review/Approve Bearing Pad Shop Drawings (B-676) | 85 | 14-May-23 | 07-Aug-23 | 274 | CALENDAR DAY | Prepare/Submit/Review/Approve Bearing Pad Shop Drawings (B-676) |
| PSUB.B-676.110 | Prepare/Submit/Review/Approve Bridge Deck/Overlay Placement Plan (B-676) | 85 | 14-May-23 | 07-Aug-23 | 388 | CALENDAR DAY | Prepare/Submit/Review/Approve Bridge Deck/Overlay Placement Plan (B-676) |
| PSUB.B-676.115 | Prepare/Submit/Review/Approve Demolition Plan (B-676) | 85 | 14-May-23 | 07-Aug-23 | 262 | CALENDAR DAY | Prépate/Submit/Review/Approve Demolition Plan (B-676) |
| PSUB.B-676.120 | Prepare/Submit/Review/Approve Prestressed Concrete Beam Shop Drawings (B-676) | 85 | 14-May-23 | 07-Aug-23 | 266 | CALENDAR DAY | Prepare/Submit/Review/Approve Prestressed Concrete Beam Shop Drawings (B-676) |
| PSUB.B-676.125 | Prepare/Submit/Review/Approve Overhang/Falsework Plan (B-676) | 85 | 14-May-23 | 07-Aug-23 | 367 | CALENDAR DAY | Prepare/Submit/Review/Approve Overhang/Falsework Plan(B-676) |
| PSUB.B-676.130 | Prepare/Submit/Review/Approve Pile Driving QC Plan (B-676) | 85 | 14-May-23 | 07-Aug-23 | 267 | CALENDAR DAY | Prepare/\$ubmit/Review/Approve Pile Driving QC Plan (B-676) |
| PSUB.B-672.100 | Prepare/Submit/Review/Approve Temporary Support/Jacking System Plan (B-672) | 85 | 29-May-23 | 22-Aug-23 | 974 | CALENDAR DAY | Prepare/Submit/Review/Approve/Temporary Support/Jacking System/Plan (B-672); |
| PSUB.B-672.105 | Prepare/Submit/Review/Approve Bearing Pad Shop Drawings (B-672) | 85 | 29-May-23 | 22-Aug-23 | 268 | CALENDAR DAY | Prepare/Submit/Review/Approve Bearing Pad Shop Drawings (B-672) |
| PSUB.B-672.110 | Prepare/Submit/Review/Approve Bridge Deck/Overlay Placement Plan (B-672) | 85 | 29-May-23 | 22-Aug-23 | 989 | CALENDAR DAY | Prepare/Submit/Review/Approve Bridge Deck/Overlay Placement Plan (B-672) |
| PSUB.B-672.115 | Prepare/Submit/Review/Approve Demolition Plan (B-672) | 85 | 29-May-23 | 22-Aug-23 | 912 | CALENDAR DAY | Prepare/Submit/Review/Approve Demolition Plan (B-672) |
| PSUB.B-672.120 | Prepare/Submit/Review/Approve Prestressed Concrete Beam Shop Drawings (B-672) | 85 | 29-May-23 | 22-Aug-23 | 215 | CALENDAR DAY | Prepare/Submit/Review/Approve Prestressed Concrete Beam Shop Drawings (B-672) |
| PSUB.B-672.125 | Prepare/Submit/Review/Approve Overhang/Falsework Plan (B-672) | 85 | 29-May-23 | 22-Aug-23 | 982 | CALENDAR DAY | Prepare/Submit/Review/Approve Overhang/Falsework Plan (B-672) |
| PSUB.B-672.130 | Prepare/Submit/Review/Approve Pile Driving QC Plan (B-672) | 85 | 29-May-23 | 22-Aug-23 | 295 | CALENDAR DAY | Prepare/Submit/Review/Approve Pile Driving QC Plan (B:672) |
| PSUB.MSE.115 | Prepare/Submit/Review/Approve MSE Wall Panel Shop Drawings (WB) | 85 | 09-Jun-23 | 02-Sep-23 | 284 | CALENDAR DAY | Prepare/Submit/Review/Approve MSE/Wall Panel Shop Drawings (WB) |
| PSUB.B-674.100 | Prepare/Submit/Review/Approve Temporary Support/Jacking System Plan (B-674) | 85 | 24-Jun-23 | 17-Sep-23 | 255 | CALENDAR DAY | Prepare/Submit/Review/Approve Temporary Support/Jacking System Plan (B-674) |
| PSUB.B-674.105 | Prepare/Submit/Review/Approve Bearing Pad Shop Drawings (B-674) | 85 oc | 24-Jun-23 | 17-Sep-23 | 51 | CALENDAR DAY | Prepare/Submit/Review/Approve Bearing Pad \$hop Drawings (B-674) |
| PSUB.B-674.110 | Prepare/Submit/Review/Approve Bridge Deck/Overlay Placement Plan (B-674) | 85 oc | 24-Jun-23 | 17-Sep-23 | 374 | CALENDAR DAY | Prepare/Submit/Review/Approve Bridge/Deck/Overlay Placement Plan (B-674) |
| PSUB.B-674.115 | Prepare/Submit/Review/Approve Demolition Plan (B-674) | 85 | 24-Jun-23 | 17-Sep-23 | 108 | CALENDAR DAY | Prepare/Submit/Review/Approve Demolition Plan (B-674) |
| PSUB.B-674.120 | Prepare/Submit/Review/Approve Prestressed Concrete Beam Shop Drawings (B-674) | 85 | 24-Jun-23 | 17-Sep-23 | 81 | CALENDAR DAY | Prepare/Submit/Review/Approve Prestressed Concrete Beam Shop Drawings (B-674) |
| PSUB.B-674.125 | Prepare/Submit/Review/Approve Overhang/Falsework Plan (B-674) | 85 | 24-Jun-23 | 17-Sep-23 | 172 | CALENDAR DAY | Prepare/Submit/Review/Approve Overhang/Falsework Plan(B-674) |
| PSUB.B-674.130 | Prepare/Submit/Review/Approve Pile Driving QC Plan (B-674) | 85 | 24-Jun-23 | 17-Sep-23 | 114 | CALENDAR DAY | Prepare/Submit/Review/Approve Pile Driving QC Plan (B-674) Prepare/Submit/Review/Approve Sound WallShop Drawings (WB) |
| PSUB.SOUND.105 | Prepare/Submit/Review/Approve Sound Walls hop Drawings (WB) | 85 oc | 26-Jul-23 | 19-Oct-23 | 181 | CALENDAR DAY | - |
| PSUB.MSE.110 | Prepare/Submit/Review/Approve MSE Wall Panel Shop Drawings (EB) | 85 | 03-Oct-23 | 27-Dec-23 | 546 | CALENDAR DAY | Prepare/Submit/Review/Approve MSE Wall Panel Shop/Drawings (EB) |
| PSUB.SIGN.120 | Prepare/Submit/Review/Approve Overhead Sign Structure Shop Drawings (EP) | 85 | 14-Nov-23 | 07-Feb-24 | 74 | CALENDAR DAY | Prépare/Submit/Review/Approve Overhead Sign Structuré Shop:Drawings (EP) |
| PSUB.SOUND.100 | Prepare/Submit/Review/Approve Sound WallS hop Drawings (EB) | 85 | 10-Dec-23 | 04-Mar-24 | 677 | CALENDAR DAY | Prepare/Submit/Review/Approve Sound WallS hop Drawings (EB) |
| PSUB.B-673.105 | Prepare/Submit/Review/Approve Bearing Pad Shop Drawings (B-673) | 85 | 17-Jan-24 | 11-Apr-24 | 476 | CALENDAR DAY | Prepare/Submit/Review/Approve Bearing Pad Shop Drawings (B-673) |
| art: 24-Jun-22 nd: 10-Dec-26 ata: 24-Jun-22 un: 11-May-22 | Remaining Work Remaining Level of Effort Adve | y/Impact erse Weather tional/Extra Wo | rk | | | (22HH002) |) VDOT I-64 SEGMENT 4C BID SCHEDULE.V7 (RPT) BARCHART (11x17) TASK filter: All Activities Page 8 of 41 |





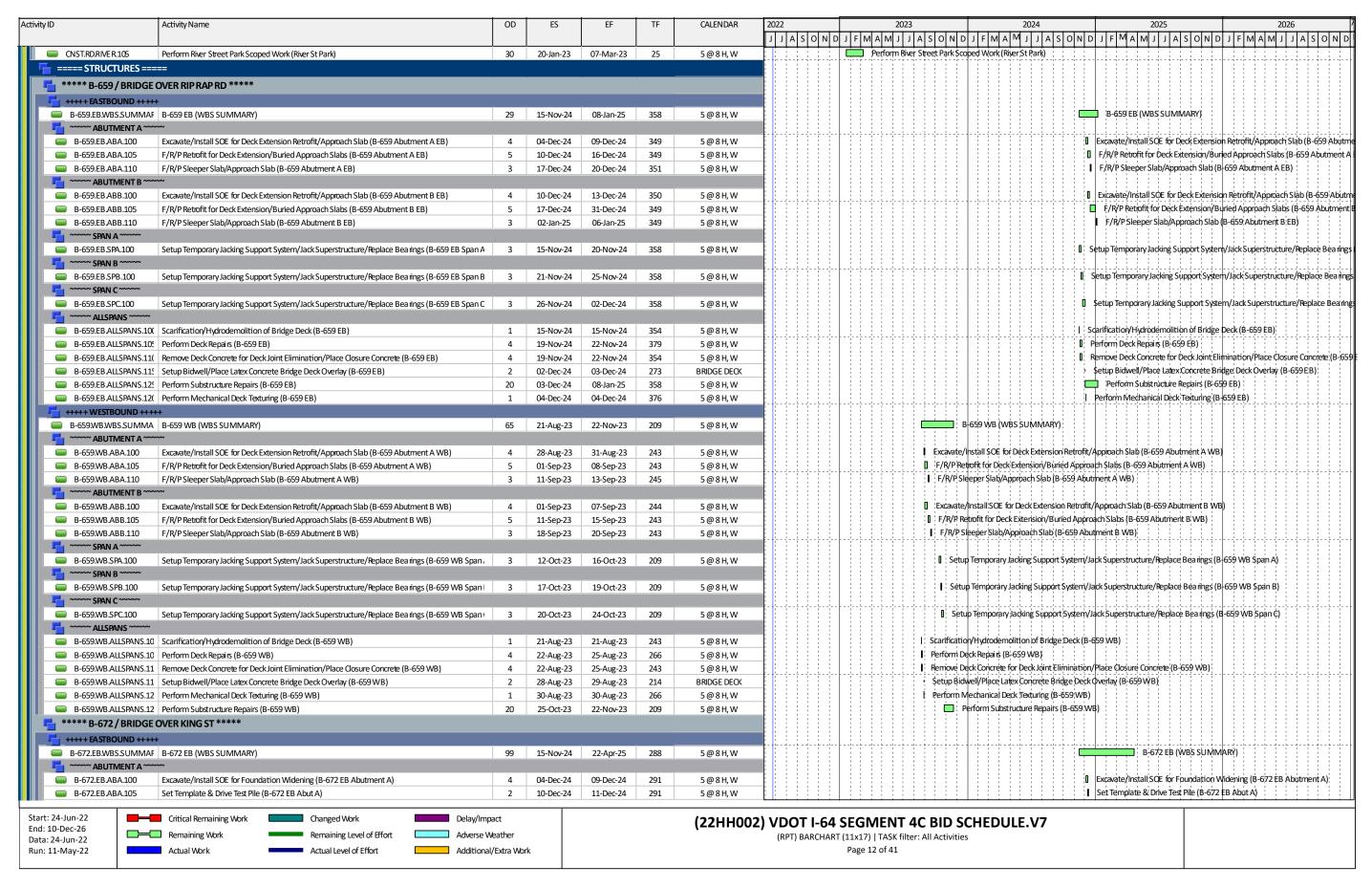


| Activity Name | | OD | ES | EF | TF | CALENDAR | 2022 2023 2024 2025 2026 |
|-------------------------------------|---|--------|------------------------|------------------------|------------|--------------------------|---|
| +++++ PHASE 1A MOT SETUP WORK ++++ | | | | | | | |
| | oulder sta. 673+00 to 780+00 (I-64 EB) | 20 | 08-Mar-23 | 05-Apr-23 | 25 | 5@8H,W | Mill and Pave Shoulder sta. 673+00 to 780+00 (I-64 EB) |
| +++++ PHASE 1B MOT SETUP WORK ++++ | | | | 30 · p· =0 | | 2 6 7 7 7 | |
| | oncrete Barrier along RT Edge of Shoulder (Where Needed) sta. 662+50 to 668+α | 1 | 06-Apr-23 | 06-Apr-23 | 25 | 5@8H,W | I Set Temporary Concrete Barrier along RT Edge of Shoulder (Where Needed) sta. 662+50 to 668+00 (I-64 EB) |
| · · · · · | New Temporary Pavement Markings/Shift Traffic (I-64 EB) | 1 | 10-Apr-23 | 10-Apr-23 | 43 | 5@8H,W | I Eradicate/ Place New Temporary Pavement Markings/Shift Traffic (I-64 EB) |
| | oncrete Barrier along Left Edge of Travel Lane sta. 658+65 to 785+25 (1-64 EB) | 13 | 10-Apr-23 | 27-Apr-23 | 25 | 5@8H,W | Set Temporary Concrete Barrier along Left Edge of Travel Lane sta, 658+65 to 785+25 (1-64 EB) |
| | oncrete Barrier along Left Edge of Travel Lane sta. 658+65 to 785+25 (1-64 WB) | 13 | 28-Apr-23 | 16-May-23 | 25 | 5@8H,W | Set Temporary Concrete Bairier along Left Edge of Travel Lane sta. 658+65 to 785+25 (F64 W/B) |
| | rary Concrete Barrier along Edge of WB Lanes to left Edge of Travel Lanes (I-64 WB) | 10 | 02-May-23 | 15-May-23 | 86 | 5@8H,W | Rélocate Temporarly Concrete Barrier álong Edgé of WB Lanes to left Edge of Travel Lanes (I-64 WB) |
| CNST.RDE PPH1A.130 Demolish Existin | ng Median Barrier (Entire Length of Project) (I-64 CTR) | 51 | 08-May-23 | 24-Jul-23 | 25 | 5@8H,W | Demolish Existing Median Barrier (Entire Length of Project) (I-64 CTR) |
| | New Temporary Pavement Markings (I-64 WB) | 1 | 16-May-23 | 16-May-23 | 86 | 5@8H,W | Eradicate/Place New Temporary Pavement Markings (I-64 WB) |
| | edian Inlets to Temporary Asphalt Grade (I-64 CTR) | 20 | 23-Jun-23 | 24-Jul-23 | 25 | 5@8H,W | Raise Existing Median Inlets to Temporary Asphalt Grade (I-64 CTR) |
| | Asphalt in Median (I-64 CTR) | 2 | 25-Jul-23 | 26-Jul-23 | 25 | 5@8H,W | Place Temporary Asphalt in Median (I-64 CTR) |
| | Asphalt at Settlers Landing On/OffRamp to 64 (I-64 WB) | 1 | 27-Jul-23 | 27-Jul-23 | 25 | 5@8H,W | I. Place Temporary Asphalt at Settlers (anding On/Off Ramp to 64 (F64 WB) |
| | Asphalt at Mallory On Ramp to 64 (I-64 WB) | 1 | 28-Jul-23 | 28-Jul-23 | 25 | 5@8H,W | f Place Temporary Asphalt at Mallory On Ramp to 64 (1-64 WB) |
| | rary Concrete Barrier along Edge of Inside Shoulder (WBL) to Edge of Lanes (I-64 W | 10 | 31-Jul-23 | 11-Aug-23 | 25 | 5@8H,W | Rejocate Temporary Concrete Barrier along Edge of Inside Shoulder (WBL) to Edge of Lanes (I-64 WBL) |
| | Overhead Signs for Phase 1B (I-64 Entire Project) | 2 | 15-Aug-23 | 16-Aug-23 | 25 | 5@8H,W | I Remove/Adjust Overhead Signs for Phase 1B (I-64 Entire Project) |
| | New Temporary Pavement Markings (I-64 WB) | 1 | 17-Aug-23 | 17-Aug-23 | 25 | 5@8H,W | |
| +++++ PHASE 1C MOT SETUP WORK +++++ | | | / Nog 20 | / NAS 23 | | J G 511, W | |
| CNST.RDE RPH1C.100 Adjust Overhead | | 2 | 06-Apr-23 | 10-Apr-23 | 86 | 5@8H,W | 10 Adjust Overhead Signs (I-64 EB) |
| | rary Concrete Barrier along Left Edge of Travel Lanes to Edge of Lanes (I-64 EBL) | 13 | 11-Apr-23 | 28-Apr-23 | 86 | 5@8H,W | Relocate Temporary Corlorete Barrier along Left Edge of Travel Lanes to Edge of Lanes (I-64 EBL) |
| | New Temporary Pavement Markings (I-64 EB) | 1 | 01-May-23 | 01-May-23 | 86 | 5@8H,W | Eradicate/Place New Temporary Pavement Markings (I-64 EB) |
| +++++ PHASE 2A MOT SETUP WORK +++++ | | 1 | U1-IVIAY-23 | O1-IVIDY-23 | 30 | J ლ о П, VV | |
| | ary Conσete Barrier along Edge of Outside Lane and Ramps (I-64 EB) | 8 | 09-Oct-24 | 21-Oct-24 | 3 | 5@8H,W | Remove Temporary Concrete Barrier along Edge of Outside Larie and I |
| · | oncrete Barrier along Inside Edge (I-64 EB) | 15 | 16-Oct-24 | 06-Nov-24 | 3 | 5@8H,W | Set Temporary Concrete Barrier along Inside Edge (I-64 EB) |
| +++++ PHASE 3 MOT SETUP WORK +++++ | officere balliler along inside Euge (1-04 Eb) | 13 | 10-001-24 | 00-1100-24 | 3 | 3 @ 8 H, VV | Set temporary contracts danier asing make tage trongers |
| | A Adalian Danianin Final Confirmation /I CA CTD) | 44 | 00 has 20 | 06 A 26 | 9 | r e e u w | |
| | e Median Barrier in Final Configuration (I-64 CTR) | | 08-Jun-26 | 06-Aug-26 | - | 5@8H,W | ♠ 1 → 1 → 2 → 2 → 2 → 2 → 2 → 3 → 3 → 3 → 3 → 3 |
| · · | ary Concrete Barrier (Entire Project EB) | 22 | 07-Aug-26 | 08-Sep-26 | 9 | 5@8H,W | <u>(</u> |
| | ary Concrete Barrier (Entire Project WB) | 22 | 09-Sep-26 | 08-Oct-26 | 9 | 5@8H,W | 6 |
| | ring for all EBL and WBL in Final Configuration (Entire Project EB/WB) | 22 | 09-Oct-26 | 09-Nov-26 | 9 | 5@8H,W | 6 |
| | ment Markings (Entire Project EB/WB) | 22 | 09-Oct-26 | 09-Nov-26 | 9 | 5@8H,W | |
| ***** AREA 1 - N. ARMISTEAD AVE. T | O RIP RAP RD. ***** | | | | | _ | <u>6</u> |
| +++++ EBL +++++ | | | | | | | £ : : : : : : : : : : : : : : : : : |
| CNST.RDA1EB.100 Perform Milling | Excavate/Construct Embankment for Widening sta. 658+73 to 680+63.27 (I-64 EB | 10 | 04-Dec-24 | 17-Dec-24 | 71 | 5 @ 8 H, W | Perform;Milling/Excavate/Construct Embankment,for Widening: |
| CNST.RDA1EB.105 Install Drainage | from 3-3 to 5-8 sta. 658+73 to 680+63.27 (I-64 EB) | 35 | 19-Dec-24 | 14-Feb-25 | 200 | 5 @ 8 H, W | Install Drainage from 3-3 to 5-8 stal. 658+73 to 680+63.27 |
| CNST.RDA1EB.110 Place Cement Tr | eated Subbase sta. 658+73 to 680+63.27 (I-64 EB) | 5 | 17-Feb-25 | 21-Feb-25 | 302 | 5@8H,W | ☐ Place Cément Treated Subbase sta. 658+73 to 680+63.27 |
| CNST.RDA1.EB.115 Place Drainage/ | RCCLayer sta. 658+73 to 680+63.27 (I-64 EB) | 3 | 25-Feb-25 | 27-Feb-25 | 310 | 5@8H,W | Place Drainage/RCCLayer sta. 658+73 to 680+63;27 (I-6 |
| CNST.RDA1EB120 Place Asphalt Ba | se/Binder Courses sta. 658+73 to 680+63.27 (I-64 EB) | 3 | 28-Feb-25 | 04-Mar-25 | 307 | ASPHALT PAVING | Place Asphalt Base/Binder Courses sta; 658-73 to 680- |
| +++++ WBL+++++ | | | | | | | |
| CNST.RDA1.WB.100 Perform Milling, | Excavate/Construct Embankment for Widening sta. 1658+50 to 1681+03.34 (I-64) | 10 | 31-Oct-23 | 14-Nov-23 | 162 | 5@8H,W | Pelform/Milling/Excavate/Construct Embankment for Widening sta. 1658+50 to 1681+03.34 (I-64 WB) |
| CNST.RDA1.WB.105 Install Drainage | from 3-2 to 5-3 sta. 1658+50 to 1681+03.34 (I-64 WB) | 35 | 22-Mar-24 | 15-May-24 | 89 | 5@8H,W | Install Dranage from 3-2 to 5-3 stal. 1658+50 to 1681+03;34 (164 WB) |
| CNST.RDA 1.WB.110 Place Cement Tr | eated Subbase sta. 1658+50 to 1681+03.34 (I-64 WB) | 5 | 16-May-24 | 22-May-24 | 89 | 5@8H,W | □ Place Cement Treated Subbase sta. 1658+50 to 1681+03.34 (I-64 WB) |
| CNST.RDA1.WB.115 Place Drainage/ | RCCLayer sta. 1658+50 to 1681+03.34 (I-64 WB) | 3 | 23-May-24 | 28-May-24 | 89 | 5@8H,W | |
| CNST.RDA 1.WB.120 Place Asphalt Ba | nse/Binder Courses sta. 1658+50 to 1681+03.34 (I-64 WB) | 3 | 12-Sep-24 | 16-Sep-24 | 18 | ASPHALT PAVING | D Place As phalit Base/Binder Courses sta. 1658+5 0 to 1681+03.34 (I-64 WB) |
| **** AREA 2 - RIP RAP RD. TO KING S | T. **** | | | | | | |
| +++++ EBL+++++ | | | | | | | |
| _ | Excavate/Construct Embankment for Widening 682+09.39 to 698+23.18 (I-64 EB) | 9 | 19-Dec-24 | 08-Jan-25 | 110 | 5 @ 8 H, W | Perform Milling/Excavate/Construct Embankment for Widenir |
| | from 5-20 to 6-10 682+09.39 to 698+23.18 (I-64 EB) | 35 | 17-Feb-25 | 08-Apr-25 | 200 | 5@8H, W | Install Drainage from 5-20 to 6-10 682+09.39 to 698 |
| | eated Subbase 682+09.39 to 698+23.18 (I-64 EB) | 5 | 09-Apr-25 | 15-Apr-25 | 272 | 5@8H,W | Place/Cement Treated Subbase 682+09.39 to 698+2 |
| | RCCLayer 682+09.39 to 698+23.18 (I-64 EB) | 3 | 16-Apr-25 | 21-Apr-25 | 272 | 5@8H,W | ☐ Place Drainage/RCCLayer 682+09:39 to 698+23.18 |
| • | nccLayer 082+09.39 to 698+23.18 (I-64 EB) | 3 | 22-Apr-25 | 25-Apr-25 | 275 | ASPHALT PAVING | I Bace Alsphalt Base/Binder/Courses 682+09.39 to |
| +++++ WBL+++++ | | J | Uhi-53 | 23 Uhi-53 | 213 | , STEINEL LAVING | |
| - | Excavate/Construct Embankment for Widening sta. 1682+50.70 to 1698+30.66 (I-I | 9 | 18-Oct-23 | 30-Oct-23 | 33 | 5@8H,W | Perform Milling/Excavate/Construct Embahkment for Widening sta. 1682+50.70 tb 1698+30.66 (I-64 WB) |
| | _ | 35 | | | 89 | | Install Drainage from 5-10/5-15 to 6-5/6-4A/sta. 1682+50.70 to 1698+3066 (I-64 WB) |
| | from 5-10/5-15 to 6-5/6-4A sta. 1682+50.70 to 1698+30.66 (F64 WB) | | 31-Jan-24 | 21-Mar-24 | | 5@8H,W | 4 |
| | eated Subbase sta. 1682+50.70 to 1698+30.66 (I-64 WB) RCCLayer sta. 1682+50.70 to 1698+30.66 (I-64 WB) | 5 3 | 22-Mar-24 29-Mar-24 | 28-Mar-24 02-Apr-24 | 119 121 | 5 @ 8 H, W 5 @ 8 H, W | |
| 4-Jun-22 Critical Remai | ning Work Changed Work Delay/Impa | act | , | , . , | | |) VDOT I-64 SEGMENT 4C BID SCHEDULE.V7 |
| 4-Jun-22 Remaining Work Actual Work | rk Remaining Level of Effort Adverse We Actual Level of Effort Additional/ | | rk | | | | (RPT) BARCHART (11x17) TASK filter: All Activities Page 10 of 41 |

| y ID A | Activity Name | OD | ES | EF | TF | CALENDAR | 2022 2023 2024 2025 2026 |
|--|---|--------|-----------|-----------|-----|-----------------|---|
| CNST.RDA 2.WB.120 P | Place Asphalt Base/Binder Courses sta. 1682+50.70 to 1698+30.66 (I-64 WB) | 3 | 09-Sep-24 | 11-Sep-24 | 18 | ASPHALT PAVING | Place Asphalt Base/Binder Courses sta. 1682+5 D70 to 1698+30,66 (I-64 WB) |
| ***** AREA 3 - KING ST. T | | J | 03-3ер-24 | 11-3ep-24 | 10 | ASFIIALI FAVINO | |
| | ONIVERSI. | | | | | | |
| +++++ EBL+++++ | Defense Million / Court at / Courts at Earlier laws at fault false in a star COO of 20th 731 (1200 / CA | 14 | 00 Jan 25 | 20 (25 | 452 | F @ 0.11.W | Particip Millian (Product As a |
| | Perform Milling/Excavate/Construct Embankment for Widening sta. 699+95.20 to 721+12.98 (I-64 | 14 | 09-Jan-25 | 29-Jan-25 | 153 | 5@8H,W | Perform Milling/Excavate/Construct Embankment for Widening |
| | nstall Drainage from 6-14 to 8-6 sta. 699+95.20 to 721+12.98 (I-64 EB) | 35 | 09-Apr-25 | 30-May-25 | 200 | 5@8H,W | Install Drainage from 6-14 to 8-6 sta. 699+95.20 to |
| | Place Cement Treated Subbase sta. 699+95.20 to 721+12.98 (I-64 EB) | 5 | 02-Jun-25 | 06-Jun-25 | 242 | 5@8H,W | |
| | Place Drainage/RCCLayer sta. 699+95.20 to 721+12.98 (I-64 EB) | 3 | 09-Jun-25 | 11-Jun-25 | 246 | 5@8H,W | l Place Drainage/RCCLayer sta. 699+95;20 to 721+ □ Place Asphalt Base/Binder Courses sta. 6 |
| CNST.RDA3EB120 F +++++ WBL+++++ | Place Asphalt Base/Binder Courses sta. 699+95.20 to 721+12.98 (I-64 EB) | 3 | 21-Aug-25 | 26-Aug-25 | 193 | ASPHALT PAVING | gi. Frace Aspi ali Base/ Bii Dei Cullses sia. C |
| | Devices Milling /Free at a /Construct Embanisment for Wildoning et a 1700 to 2 CO to 1701 to 157 / L | 14 | 27 Can 22 | 17-Oct-23 | 22 | F @ Q II W | Perform Milling/Excavate/Construct Embankment for Widening sta. 1700+02.68 to 1721+01.57 (I-64 WB) |
| | Perform Milling/Excavate/Construct Embankment for Widening sta. 1700+02.68 to 1721+01.57 (I-I | 14 | 27-Sep-23 | | 33 | 5@8H,W | |
| | nstall Drainage from 6-11A/6-13 to 8-2/8-4 sta. 1700+02.68 to 1721+01.57 (I-64 WB) | 35 | 01-Dec-23 | 30-Jan-24 | 89 | 5@8H,W | Install Drainage from 6-11A/6-13 to 8-2/8-4 sta. 1700+02.68 to 1.721+01.57 (I-64 WB) |
| | Place Cement Treated Subbase sta. 1700+02.68 to 1721+01.57 (I-64 WB) | 5 | 31-Jan-24 | 06-Feb-24 | 149 | 5@8H,W | Place Cement Treated Subbase \$ta.1700+02.68 to 1721+01.57 (I-64 WB) |
| | Place Drainage/RCCLayer sta. 1700+02.68 to 1721+01.57 (I-64 WB) | 3 | 07-Feb-24 | 09-Feb-24 | 153 | 5@8H,W | Place Drainage/RCCLayer sta. 1700+02.68 to 1721+01:57 (I-64 WB) |
| | Place Asphalt Base/Binder Courses sta. 1700+02.68 to 1721+01.57 (I-64 WB) | 3 | 04-Sep-24 | 06-Sep-24 | 18 | ASPHALT PAVING | Place Asphalt Base/Binder Courses sta. 1700+0 268 to 17721+01.57 (I-64 WB) |
| ***** AREA 4 - B-673 ABU | UT. B1 TO BOXWOOD ST. * **** | | | | | | |
| ##### EBL+++++ | | | | | | | 4 3 3 3 3 3 3 3 3 3 |
| CNST.RDA4EB100 P | Perform Milling/Excavate sta. 735+00 to 741+25 (I-64 EB) | 5 | 30-Jan-25 | 05-Feb-25 | 220 | 5@8H,W | 0 Perform Milling/Excaviete sta; 735+00 to 741+25;(1-64 EB) |
| CNST.RDA4EB105 P | Place Cement Treated Subbase sta. 735+00 to 741+25 (I-64 EB) | 3 | 09-Jun-25 | 11-Jun-25 | 242 | 5@8H,W | I Place Cement Treated Subbase sta; 735+00 to 74 |
| CNST.RDA4EB110 P | Place Drainage/RCCLayer sta. 735+00 to 741+25 (I-64 EB) | 3 | 12-Jun-25 | 16-Jun-25 | 246 | 5@8H,W | ☐ Place:Drainage/RCCLayer sta. 735+00 to 741+25 |
| CNST.RDA4EB115 P | Place Asphalt Base/Binder Courses sta. 735+00 to 741+25 (I-64 EB) | 3 | 05-Nov-25 | 07-Nov-25 | 144 | ASPHALT PAVING | Il Place Asphalt Base/Binder Courts |
| +++++ WBL++++ | | | | | | | |
| CNST.RDA4.WB.100 P | Perform Milling/Excavate sta. 1735+75 to 1741+75 (I-64 WB) | 5 | 20-Sep-23 | 26-Sep-23 | 33 | 5@8H,W | II Perform Milling/Excavate sta. 1735+75 to 1741+75 (I-64 WB) |
| CNST.RDA4.WB.105 | Place Cement Treated Subbase sta. 1735+75 to 1741+75 (I-64 WB) | 3 | 11-Dec-23 | 13-Dec-23 | 176 | 5@8H,W | Place/Cement Treated Subbase sta: 1735+75 to:1741+75 (I-64 WB); |
| CNST.RDA4.WB.110 P | Place Drainage/RCCLayer sta. 1735+75 to 1741+75 (I-64 WB) | 3 | 14-Dec-23 | 18-Dec-23 | 182 | 5@8H,W | 0 Place Drainage/RCCLayer sta. 1735+75 to 1741+75 (I-64WB) |
| CNST.RDA4.WB.115 | Place Asphalt Base/Binder Courses sta. 1735+75 to 1741+75 (I-64 WB) | 3 | 18-Mar-24 | 21-Mar-24 | 126 | ASPHALT PAVING | I Place Asphalt Base/Binder Courses sta. 1735+75 to 1741+75 (I-64 WB) |
| and the same of th | UT. B2 TO SETTLER'S LANDING RD. ***** | | | | | | |
| | | | | | | | |
| | Perform Milling/Excavate/Construct Embankment for Widening sta. 748+22.13 to 763+76.21 (I-64 | 7 | 06-Feb-25 | 14-Feb-25 | 268 | 5@8H,W | □ Perform Milling/Excayate/Construct Embankment for Wideniu |
| | | 35 | 02-Jun-25 | 21-Jul-25 | 200 | | Install Drainage from 10-7 to 11-7;sta; 748+2 |
| | nstall Drainage from 10-7 to 11-7 sta. 748+22.13 to 763+76.21 (I-64EB) | | | | | 5@8H,W | I Place Cement Treated Subbase sta. 748+22. |
| | Place Cement Treated Subbase sta. 748+22.13 to 763+76.21 (I-64 EB) | 5 | 22-Jul-25 | 28-Jul-25 | 215 | 5@8H,W | Place Drainage/RCCLayer sta: 748+22.13 to |
| | Place Drainage/RCCLayer sta. 748+22.13 to 763+76.21 (I-64 EB) | 3 | 29-Jul-25 | 31-Jul-25 | 217 | 5@8H,W | ♥ - ♥ - ♥ - ♥ - ♥ - ♥ - ♥ - ♥ - ♥ - ♥ - |
| Part Control of the C | Place Asphalt Base/Binder Courses sta. 748+22.13 to 763+76.21 (I-64 EB) | 3 | 10-Nov-25 | 12-Nov-25 | 144 | ASPHALT PAVING | ■ Place Asphalt Base/Binder Cours |
| +++++ WBL+++++ | Devices Milling /Free ato /Construct Embanisment for Wildoning etc. 1740 ; 77.20 to 1764 ; 60.02 / L | 7 | 11 Can 22 | 10 Con 22 | 33 | E @ QUI W | Perform Milling/Excavate/Construct Embankment for Widening sta. 1748+77.38 to 1754+60,92 (I-64 WB) |
| | Perform Milling/Excavate/Construct Embankment for Widening sta. 1748+77.38 to 1764+60.92 (I-I | • | 11-Sep-23 | 19-Sep-23 | | 5@8H,W | k |
| | nstall Drainage from10-1 to 11-6 sta. 1748+77.38 to 1764+60.92 (I-64 WB) | 35 | 10-Oct-23 | 30-Nov-23 | 89 | 5@8H,W | Install Drainage from 10-1 to 11-6 sta. 1748+77.38 to 1764+60.92 (I-64 WB) |
| | Place Cement Treated Subbase sta. 1748+77.38 to 1764+60.92 (I-64 WB) | 5 | 01-Dec-23 | 08-Dec-23 | 176 | 5@8H,W | Place Cement Treated Subbase sta. 1748+77:38 to 1764+60.92 (f-64 WB) |
| | Place Drainage/RCCLayer sta. 1748+77.38 to 1764+60.92 (I-64 WB) | 3 | 11-Dec-23 | 13-Dec-23 | 182 | 5@8H,W | Place Drainage/RCCLayer sta. 1748+77.38 to 1764+60.92 (I-64 WB) |
| | Place Asphalt Base/Binder Courses sta. 1748+7738 to 1764+60.92 (I-64 WB) | 3 | 13-Mar-24 | 18-Mar-24 | 126 | ASPHALT PAVING | □ Place Asphalt Base/Binder Courses sta. 1748+7738 to 1764+60.92 (I-64 WB) |
| ***** AREA 6 - SETTLER'S | S LANDING RD. TO MALLORY ST. ***** | | | | | | |
| ##### EBL+++++ | | | | | | | |
| CNST.EDA6EB100 P | Perform Milling/Excavate/Construct Embankment for Widening sta. 766+30.98 to 785+72 (I-64 EB | 14 | 17-Feb-25 | 07-Mar-25 | 268 | 5 @ 8 H, W | Perform Milling/Excavate/Construct Embankment for Wide |
| CNST.EDA6EB105 | nstall Drainage from 11-21 to 13-4 sta. 766+30.98 to 785+72 (I-64 EB) | 20 | 22-Jul-25 | 18-Aug-25 | 200 | 5@8H,W | : : : : : : : : : : : : : : : : |
| CNST.EDA6EB110 P | Place Cement Treated Subbase sta. 766+30.98 to 785+72 (I-64 EB) | 5 | 19-Aug-25 | 25-Aug-25 | 200 | 5 @ 8 H, W | |
| CNST.EDA6EB115 P | Place Drainage/RCCLayer sta. 766+30.98 to 785+72 (I-64 EB) | 3 | 26-Aug-25 | 28-Aug-25 | 200 | 5@8H,W | I Place Draimage/RCC Layer sta. 766+30.98 |
| CNST.EDA6EB120 P | Place Asphalt Base/Binder Courses sta. 766+30.98 to 785+72 (I-64 EB) | 5 | 13-Nov-25 | 19-Nov-25 | 144 | ASPHALT PAVING | □ Place Asphalt Base/Binder Cour |
| CNST.EDA6EB125 | Place Final Wearing Course sta. 766+30.98 to 785+72 (I-64 EB) | 3 | 08-Jun-26 | 10-Jun-26 | 15 | ASPHALT PAVING | l Place Fina |
| +++++ WBL++++ | | | | | | | |
| CNST.RDA6.WB.100 | Perform Milling/Excavate/Construct Embankment for Widening sta. 1767+15.59 to 1786+50 (I-64) | 14 | 21-Aug-23 | 08-Sep-23 | 33 | 5@8H,W | Perform Milling/Excavate/Construct Embankment for Widening sta. 1767+15.59 to 1786+50 (1-64 WB) |
| CNST.RDA 6.WB.105 | nstall Drainage from 11-13/11-17 to 13-1 sta. 1767+15.59 to 1786+50 (I-64 WB) | 20 | 11-Sep-23 | 09-Oct-23 | 89 | 5@8H,W | Install Drainage from 11-13/11-17 to 13-1 stal. 1767+15.59 to 1786+50 (164 WB) |
| CNST.RDA6.WB.110 | Place Cement Treated Subbase sta. 1767+15.59 to 1786+50 (I-64 WB) | 5 | 10-Oct-23 | 16-Oct-23 | 206 | 5@8H,W | : : : : : : : : : : : : : : : : : : : |
| | Place Drainage/RCCLayer sta. 1767+15.59 to 1786+50 (I-64 WB) | 3 | 17-Oct-23 | 19-Oct-23 | 209 | 5@8H,W | : : : : : : : : : : : : Place Drainage/RCCLayer sta. 1767+15.59 to 1786+50 (I-64 WB) : : : : : : : : : : : : : : : : : : |
| | Place Asphalt Base/Binder Courses sta. 1767+1559 to 1786+50 (I-64 WB) | 5 | 20-Oct-23 | 26-Oct-23 | 209 | ASPHALT PAVING | Place Asphalt Base/Binder Courses sta. 1767+1559 to 1786+50 (I-64 WB) |
| | Place Final Wearing Course sta. 1767+15.59 to 1786+50 (I-64 WB) | 3 | 27-Oct-23 | 31-Oct-23 | 209 | ASPHALT PAVING | Place Final Wearing Course sta. 1767+15.59 to 1786+50 (I-64 WB) |
| ***** RIVER ST PARK *** | - | | | | | | |
| | | 2 | 17 lan 22 | 10 lan 22 | 25 | E@QU.W | Remove/Dispose of River Street Park Kayak Launch/Dock (River St Park) |
| | Remove/Dispose of River Street Park Kayak Launch/Dock (River St Park) | 3 | 17-Jan-23 | 19-Jan-23 | 25 | 5@8H,W | |
| | Critical Remaining Work Changed Work Delay/Impa | act | | | | (22HH002 | VDOT I-64 SEGMENT 4C BID SCHEDULE.V7 |
| : 10-Dec-26 a: 24-Jun-22 | Remaining Work Remaining Level of Effort Adverse W | eather | | | | ,2 | (RPT) BARCHART (11x17) TASK filter: All Activities |
| | | | | | | | |











| | Activity Name | OD | ES | EF | TF | CALENDAR | 2022 2023 2024 2025 2026 |
|------------------|--|-----------------|-----------|-----------|-----|------------------|---|
| | | | | | | |] |
| B-672.EB.ABA.160 | Wait Period for Test Pile (B-672 EB Abut A) | 5 | 12-Dec-24 | 16-Dec-24 | 447 | CALENDAR DAY (8) | □ Wait Period; for Test Pile (B-672,EB; Abut A) |
| B-672.EB.ABA.165 | Test Pile Re-Strike & Pile Length Det. (B-672 EB Abut A) | 3 | 16-Dec-24 | 20-Dec-24 | 296 | 5@8H,W | Test Pile Re; Strile :& Pile Length Det. (B-672 EB 'Abut A) |
| B-672.EB.ABA.170 | Drive Production Piles (B-672 EB Abut A) | 4 | 13-Jan-25 | 17-Jan-25 | 296 | 5@8H,W | Drive Production Piles (B-672 EB Albut A) |
| B-672.EB.ABA.110 | F/R/P Cap (B-672 EB Abutment A) | 6 | 17-Jan-25 | 28-Jan-25 | 296 | 5@8H,W | □ F/R/P ¢ap (B-672 EB Abutment A) |
| B-672.EB.ABA.115 | Strip Cap (B-672 Abutment A) | 1 | 28-Jan-25 | 29-Jan-25 | 296 | 5@8H,W | Strip Cap (B-672 Abutment A) |
| B-672.EB.ABA.120 | F/R/P Stem/Wall Extension/Cure Cap (B-672 EB Abutment A) | 8 | 29-Jan-25 | 10-Feb-25 | 296 | 5@8H,W | : F/R/P.Stem/Wall Extension/Curle Cap (B-672 EB Abutment |
| B-672.EB.ABA.125 | Cure Stem/Wall (B-672 EB Abutment A) | 2 | 10-Feb-25 | 12-Feb-25 | 439 | CURE | . I Cure Stetn/Wall (B-672 EB Abutment'A) |
| B-672.EB.ABA.130 | Strip Stem/Wall (B-672 EB A but ment A) | 2 | 10-Feb-25 | 12-Feb-25 | 296 | 5@8H,W | Strip Stein/Wall (B-672 EBA but ment A) |
| B-672.EB.ABA.135 | Place Structure Backfill (B-672 EB Abutment A) | 2 | 12-Feb-25 | 14-Feb-25 | 296 | 5@8H,W | Place Structure Backfill (B-672 EB Abutment A) |
| B-672.EB.ABA.140 | Excavate/Install SOE for Deck Extension Retrofit/Approach Slab (B-672 EB Abutment A) | 4 | 14-Feb-25 | 20-Feb-25 | 317 | 5@8H,W | ☐ Excayate/Install SOE for Deck Extension Retrofit/Approach |
| B-672.EB.ABA.145 | F/R/P Retrofit for Deck Extension/Buried Approach Slabs (B-672 EB Abutment A) | 5 | 20-Feb-25 | 28-Feb-25 | 317 | 5@8H,W | ☐ F/R/P Retrofit for Deck Extension/Buried Approach Slabs |
| B-672.EB.ABA.150 | F/R/P Sleeper Slab/Approach Slab (B-672 EB Abutment A) | 3 | 28-Feb-25 | 05-Mar-25 | 317 | 5@8H,W | |
| B-672.EB.ABA.155 | Widen Concrete Slope Protection (B-672 EB Abutment A) | 3 | 05-Mar-25 | 10-Mar-25 | 317 | 5@8H,W | I Widen Concreté Slope Protection (B-672 EB Abutment |
| ~~~~ PIER 1 ~~~~ | | | | | | | |
| B-672.EB.P1.100 | Set Template & Drive Test Pile (B-672 EB Pier 1) | 2 | 12-Dec-24 | 13-Dec-24 | 291 | 5@8H,W | Set Template & Drive Test Pile (B-672 EB Pier 1) |
| B-672.EB.P1.120 | Wait Period for Test Pile (B-672 EB Pier 1) | 5 | 14-Dec-24 | 18-Dec-24 | 459 | CALENDAR DAY (8) | │ Wait Period for Test Pile (B-672 EB Pier 1) |
| B-672.EB.P1.125 | Test Pile Re-Strike & Pile Length Det. (B-672 EB Pier 1) | 3 | 19-Dec-24 | 30-Dec-24 | 305 | 5@8H,W | Test Pile Re-Strike & Pile Length Det. (B-672 EB Pier 1) |
| B-672.EB.P1.130 | Drive Production Piles (B-672 EB Pier 1) | 4 | 15-Jan-25 | 20-Jan-25 | 305 | 5@8H,W | Drive Production Piles (B-672 EB Pier'1) |
| B-672.EB.P1.105 | F/R/P Cap (B-672 EB Pier 1) | 6 | 21-Jan-25 | 29-Jan-25 | 305 | 5@8H,W | I F/R√P Cap (B-672 EB Pier 1) |
| B-672.EB.P1.110 | Cure Cap (B-672 EB Pier 1) | 5 | 29-Jan-25 | 03-Feb-25 | 450 | CURE | © Cure Cap (B-672 EB Pier 1) |
| B-672.EB.P1.115 | Strip Cap (B-672 EB Pier 1) | 1 | 30-Jan-25 | 30-Jan-25 | 307 | 5 @ 8 H, W | l Strip Cap (B-672 EB Pier 1) |
| ~~~~ PIER 2 ~~~~ | | | | | | | |
| B-672.EB.P2.100 | Drive Production Piles (B-672 EB Pier 2) | 3 | 16-Dec-24 | 19-Dec-24 | 291 | 5 @ 8 H, W | Drive Production Piles (B-672 EB Pier 2) |
| B-672.EB.P2.105 | F/R/P Cap (B-672 EB Pier 2) | 6 | 20-Dec-24 | 06-Jan-25 | 322 | 5 @ 8 H, W | |
| B-672.EB.P2.110 | Cure Cap (B-672 EB Pier 2) | 5 | 06-Jan-25 | 11-Jan-25 | 474 | CURE | Cure Cap (8-672 EB Pier 2) |
| B-672.EB.P2.115 | Strip Cap (B-672 EB Pier 2) | 1 | 07-Jan-25 | 07-Jan-25 | 324 | 5@8H,W | |
| ABUTMENT B ~~ | | | | | | | |
| B-672.EB.ABB.100 | Excavate/Install SOE for Foundation Widening (B-672 EB Abutment B) | 4 | 10-Dec-24 | 13-Dec-24 | 294 | 5@8H,W | Excavate/Install SQE for Foundation Widening (B-672 EB Abbutm |
| B-672.EB.ABB.105 | Set Template & Drive Test Pile (B-672 EB Abut B) | 2 | 20-Dec-24 | 30-Dec-24 | 291 | 5@8H,W | Set Template & Drive Test Pile (B-672 EB Abut B) |
| B-672.EB.ABB.160 | Wait Period for Test Pile (B-672 EB Abut B) | 5 | 31-Dec-24 | 04-Jan-25 | 430 | CALENDAR DAY (8) | Mait Period for Test Pile (B-672 EB Abut B) |
| B-672.EB.ABB.165 | Test Pile Re-Strike & Pile Length Det. (B-672 EB Abut B) | 3 | 06-Jan-25 | 08-Jan-25 | 291 | 5@8H,W | Test Pile Re-Strike & Pile Length Det (B-672 EB Abut B) |
| B-672.EB.ABB.170 | Drive Production Piles (B-672 EB Abut B) | 4 | 23-Jan-25 | 29-Jan-25 | 291 | 5@8H,W | Drive Production, Piles (B-672 EB Abut B) |
| B-672.EB.ABB.110 | F/R/P Cap (B-672 EB Abutment B) | 6 | 30-Jan-25 | 06-Feb-25 | 291 | 5@8H,W | □ F/R/PCap (B-672 EB Abutment B) |
| B-672.EB.ABB.115 | Strip Cap (B-672 EB Abutment B) | 1 | 07-Feb-25 | 07-Feb-25 | 291 | 5@8H,W | Strip Cap (B-672 EB Abutment B) |
| B-672.EB.ABB.120 | F/R/P Stem/Wall Extension/Cure Cap (B-672 EB Abutment B) | 8 | 10-Feb-25 | 19-Feb-25 | 291 | 5 @ 8 H, W | □ F/R/P Stem/Wall Extension/Cure Cap (B-672 EB Abutmer |
| B-672.EB.ABB.125 | Cure Stem/Wall (B-672 EB Abutment B) | 2 | 19-Feb-25 | 21-Feb-25 | 432 | CURE | |
| B-672.EB.ABB.130 | Strip Stem/Wall (B-672 EB A but ment B) | 2 | 20-Feb-25 | 21-Feb-25 | 291 | 5@8H,W | Strip Stem/Wall (B-672,EB'Abut ment B) |
| B-672.EB.ABB.135 | Place Structure Backfill (B-672 EB Abutment B) | 2 | 25-Feb-25 | 26-Feb-25 | 291 | 5@8H,W | Place Structure Backfill (B-672 EB Albutment B) |
| B-672.EB.ABB.140 | Excavate/Install SOE for Deck Extension Retrofit/Approach Slab (B-672 EB Abutment B) | 4 | 27-Feb-25 | 04-Mar-25 | 310 | 5@8H,W | ■ Excavate/Install SOE for Deck Extension Retrofit/Approac |
| B-672.EB.ABB.145 | F/R/P Retrofit for Deck Extension/Buried Approach Slabs (B-672 EB Abutment B) | 5 | 05-Mar-25 | 11-Mar-25 | 310 | 5@8H,W | ☐ F/R/P Retrofit for Deck Extension/Buried Approach Slab |
| B-672.EB.ABB.150 | F/R/P Sleeper Slab/Approach Slab (B-672 EB Abutment B) | 3 | 12-Mar-25 | 14-Mar-25 | 310 | 5@8H,W | F/R/P, Sleeper Slab/Approach Slab (B-672 EB Abutmen |
| B-672.EB.ABB.155 | Widen Concrete Slope Protection (B-672 EB Abutment B) | 3 | 17-Mar-25 | 19-Mar-25 | 310 | 5 @ 8 H, W | II. Widen Concrete Slope Piotection (B-672;EB;Abutment |
| SPAN A | | | | | | | |
| B-672.EB.SPA.100 | Demolish/Remove Barrier/Porti on of Existing Deck (B-672 EB Span A) | 2 | 15-Nov-24 | 19-Nov-24 | 303 | 5@8H,W | Demolish/Remove Barrier/Portion of Existing Deck (B-672 EB Span |
| B-672.EB.SPA.125 | Setup Temporary Jacking/Support System (B-672 EB Span A) | 1 | 15-Nov-24 | 15-Nov-24 | 346 | 5@8H,W | I Setup Temporary Jacking/Support System (B-672 EB Span A) |
| B-672.EB.SPA.130 | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-672 EB Span A) | 6 | 19-Nov-24 | 26-Nov-24 | 346 | 5@8H,W | □ Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-6 |
| B-672.EB.SPA.105 | Erect Precast Concrete Beam for Widening (B-672 EB Span A) | 1 | 14-Feb-25 | 17-Feb-25 | 296 | 5@8H,W | Effect Précast Concrete Beam for Widening (B-672/EB/Spa |
| B-672.EB.SPA.110 | Set Overhangs (B-672 EB Span A) | 1 | 17-Feb-25 | 18-Feb-25 | 296 | 5@8H,W | Set Overhaings (B-672 EB Span A) |
| B-672.EB.SPA.115 | Set Deck Pans (B-672 EB Span A) | 1 | 18-Feb-25 | 19-Feb-25 | 296 | 5@8H,W | Set Deck Pans (B-672 EB Span A) |
| B-672.EB.SPA.120 | Place Deck Rebar (B-672 EB Span A) | 1 | 19-Feb-25 | 20-Feb-25 | 296 | 5@8H,W | I Place Deck Rebar (B-672 EB Span A) |
| B-672.EB.SPA.135 | Remove Overhangs (B-672 EB Span A) | 2 | 08-Apr-25 | 09-Apr-25 | 292 | 5 @ 8 H, W | . I Remove Overhangs (B-672 EB Span A) |
| SPAN B | Develop Develop Device (Device of Fig. 1) and (D. C70.70.0 | | 20.11: 2: | 24 N . 24 | 202 | F 0011 | |
| B-672.EB.SPB.100 | Demolish/Remove Barrier/Porti on of Existing Deck (B-672 EB Span B) | 2 | 20-Nov-24 | 21-Nov-24 | 303 | 5@8H,W | Demolish/Remove Barrier/Portion of Existing Deck (B-672 EB Span |
| B-672.EB.SPB.125 | Setup Temporary Jacking/Support System (B-672 EB Span B) | 1 | 27-Nov-24 | 27-Nov-24 | 346 | 5@8H,W | Setup Temporary Jacking/Support System (B-672 EB Span B) |
| B-672.EB.SPB.130 | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-672 EB Span B) | 6 | 02-Dec-24 | 09-Dec-24 | 346 | 5@8H,W | Jack Span/Clean Pedestal's/Perform Repairs/Replace Bearings (B |
| B-672.EB.SPB.105 | Erect Precast Concrete Beam for Widening (B-672 EB Span B) | 1 | 17-Feb-25 | 18-Feb-25 | 296 | 5 @ 8 H, W | l : Erect Precast Concrete Beam for Widening (B-672;EB;Spa |
| 4-Jun-22 | Critical Remaining Work Changed Work Delay | y/Impact | | | | (220002) | VDOT LEASECMENT ACRID SCHEDILLE VZ |
|)-Dec-26 | | rse Weather | | | | (2200002) | VDOT I-64 SEGMENT 4C BID SCHEDULE.V7 |
| 4-Juli-22 | | | . | | | | (RPT) BARCHART (11x17) TASK filter: All Activities |
| -May-22 | Actual Work Actual Level of Effort Addit | tional/Extra Wo | rk | | | | Page 13 of 41 |



| tyID | Activity Name | OD | ES | EF | ΤΈ | CALENDAR | 2022 2023 2024 2025 2026 LULIA S O N D LIE M A M LULIA S O N D LIE M A M LULIA S O N D LIE M A M LULIA S O |
|--|--|--|-------------|---------------|-----|------------------|---|
| ■ B-672.EB.SPB.110 | Set Overhangs (B-672 EB Span B) | 1 | 18-Feb-25 | 19-Feb-25 | 296 | 5 @ 8 H, W | J J A S O N D J F M A M J J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N N D J F M A M J J A S O N N D J F M A M J J A S O N N D J F M A M J J A S O N N D J F M A M J J A S O N N D J F M A M J J A S O N N D J F M A M J J A |
| B-672.EB.SPB.115 | Set Deck Pans (B-672 EB Span B) | 1 | 19-Feb-25 | 20-Feb-25 | 296 | 5@8H,W | Set Deck Pans (B-672 EB Span B) |
| B-672.EB.SPB.120 | Place Deck Rebar (B-672 EB Span B) | 1 | 20-Feb-25 | 21-Feb-25 | 296 | 5@8H,W | |
| B-672.EB.SPB.135 | Remove Overhangs (B-672 EB Span B) | 2 | 10-Apr-25 | 11-Apr-25 | 292 | 5@8H,W | Remove Overhangs (B-672 EB Span B) |
| SPAN C | Terrore overlaings to 072 Eb Spar by | | 10 / tpi 25 | 117tpi 25 | 232 | 3 @ 011, ** | |
| B-672.EB.SPC.100 | Demolish/Remove Barrier/Porti on of Existing Deck (B-672 EB Span C) | 2 | 22-Nov-24 | 25-Nov-24 | 303 | 5@8H,W | I Demolish/Remove Barrier/Portion of Existing Deck (B-672 EB Span C) |
| B-672.EB.SPC.125 | Setup Temporary Jacking/Support System (B-672 EB Span C) | 1 | 10-Dec-24 | 10-Dec-24 | 346 | 5@8H,W | |
| B-672.EB.SPC.130 | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-672 EB Span C) | 6 | 11-Dec-24 | 19-Dec-24 | 346 | 5@8H,W | Jack Span/Clean Redestalls/Perform Repairs/Replace Bearings (B-67 |
| B-672.EB.SPC.105 | Erect Precast Concrete Beam for Widening (B-672 EB Span C) | 1 | 27-Feb-25 | 27-Feb-25 | 291 | 5@8H,W | Erect Precast Concrete Beam for Widening (B-672 EB Span (|
| ■ B-672.EB.SPC.110 | Set Overhangs (B-672 EB Span C) | 1 | 28-Feb-25 | 28-Feb-25 | 291 | 5@8H,W | (\$ Set Overhangs (\$-672 EB Span C) |
| B-672.EB.SPC.115 | Set Deck Pans (B-672 EB Span C) | 1 | 03-Mar-25 | 03-Mar-25 | 291 | 5@8H,W | J Şet;Deck Panş (B-672 EB Şpan C) |
| B-672.EB.SPC.120 | Place Deck Rebar (B-672 EB Span C) | 1 | 04-Mar-25 | 04-Mar-25 | 291 | 5@8H,W | 1 Place Deck Rebar (B-672 EB Span C) |
| ■ B-672.EB.SPC.135 | Remove Overhangs (B-672 EB Span C) | 2 | 14-Apr-25 | 15-Apr-25 | 292 | 5@8H,W | Remove Overhang's (B-672 £B Spain C) |
| ALLSPANS | | | | | | | |
| B-672.EB.ALLSPANS.135 | Perform Substructure Repairs (B-672 EB) | 20 | 20-Dec-24 | 27-Jan-25 | 346 | 5@8H,W | Perform Substructure Repairs (B-672 EB) |
| | Setup Bidwell/Place Deck (B-672 EB Allspans) | 5 | 10-Mar-25 | 14-Mar-25 | 234 | BRIDGE DECK | ■ Setup Bidwell/Place Deck (B-672 EB Allspans) |
| | Bridge Deck Curing (B-672 EB Allspans) | 7 | 14-Mar-25 | 21-Mar-25 | 426 | CURE | |
| | F/R/P Bridge Barrier (B-672 E B All spans) | 10 | 25-Mar-25 | 07-Apr-25 | 288 | 5@8H,W | F/R/PBridgeBarrier (B-672EBAIspans) |
| | Scarification/Hydrodemolition of Bridge Deck (B-672 EB) | 1 | 08-Apr-25 | 08-Apr-25 | 288 | 5@8H,W | ■ Scarification/Hydrodemolition of Bridge Deck (B-672 E |
| | Perform Deck Repairs (B-672 EB) | 6 | 09-Apr-25 | 16-Apr-25 | 288 | 5@8H,W | ☐ Perform Deck Repairs (B-672 EB) |
| | Setup Bidwell/Place Latex Concrete Bridge Deck Overlay (B-672 EB) | 2 | 17-Apr-25 | 21-Apr-25 | 233 | BRIDGE DECK | □ Setup Bidwell/Place Latex Concrete Bridge Deck Over |
| | Perform Mechanical Deck Texturing (B-672 EB) | 1 | 22-Apr-25 | 22-Apr-25 | 288 | 5@8H,W | I Perform Mechanical Deck Texturing (B-672 EB) |
| +++++ WESTBOUND ++++ | | | | | | , | |
| B-672.WB.WBS.SUMMA | B-672 WB (WBS SUMMARY) | 160 | 21-Aug-23 | 23-Apr-24 | 114 | 5@8H,W | B-672 WB (WBS \$UMMARY) |
| ABUTMENT A | inn | | | | | | |
| B-672.WB.ABA.100 | Excavate/Install SOE for Foundation Widening (B-672 WB Abutment A) | 4 | 05-Sep-23 | 08-Sep-23 | 178 | 5@8H,W | Excavate/Install;SOE for Foundation Widening (B-672 WB, Abutment A) |
| ■ B-672.WB.ABA.125 | Set Template & Drive Test Pile (B-672 WB Abut A) | 2 | 11-Sep-23 | 12-Sep-23 | 178 | 5@8H,W | I Set Template & Drive Test Pile (B-672 WB Abut A) |
| B-672.WB.ABA.160 | Wait Period for Test Pile (B-672 WB Abut A) | 5 | 13-Sep-23 | 17-Sep-23 | 283 | CALENDAR DAY (8) | 1 Wait Period for Test Pile (B-672 WB Abut A) |
| B-672.WB.ABA.165 | Test Pile Re-Strike & Pile Length Det. (B-672 WB Abut A) | 3 | 18-Sep-23 | 20-Sep-23 | 183 | 5@8H,W | Test Pile Re-Strike & Pile Length Det. (B-672 WB Abut A) |
| B-672.WB.ABA.170 | Drive Production Piles (B-672 WB Abut A) | 4 | 05-Oct-23 | 11-Oct-23 | 183 | 5@8H,W | Drive Production Piles (B-672 WB Abut A) |
| B-672.WB.ABA.130 | F/R/P Cap (B-672 WB Abutment A) | 6 | 12-Oct-23 | 19-Oct-23 | 183 | 5@8H,W | |
| B-672.WB.ABA.150 | Strip Cap (B-672 Abutment A) | 1 | 20-Oct-23 | 20-Oct-23 | 183 | 5@8H,W | Strip Cap (B-672 Abutment'A) |
| B-672.WB.ABA.135 | F/R/P Stem/Wall Extension/Cure Cap (B-672 WB Abutment A) | 8 | 23-Oct-23 | 01-Nov-23 | 183 | 5@8H,W | □ F/R/P Stem/Wall Extension/Cure Cap (B-672 WB Abuthnent A) |
| B-672.WB.ABA.140 | Cure Stem/Wall (B-672 WB Abutment A) | 2 | 01-Nov-23 | 03-Nov-23 | 287 | CURE | Cure Stem/Wall (B-672 WB Abutment A) |
| B-672.WB.ABA.145 | Strip Stem/Wall (B-672 WB Abutment A) | 2 | 02-Nov-23 | 03-Nov-23 | 183 | 5@8H,W | Strip Stem/Wall (B-672 WB A butment A) |
| B-672.WB.ABA.155 | Place Structure Backfill (B-672 WB Abutment A) | 2 | 07-Nov-23 | 08-Nov-23 | 183 | 5@8H,W | Place Structure Backfill (B-672 WB Abutment A); |
| B-672.WB.ABA.110 | Excavate/Install SOE for Deck Extension Retrofit/Approach Slab (B-672 WB Abutment A) | 4 | 09-Nov-23 | 14-Nov-23 | 204 | 5@8H,W | □ Excavate/Install SQE for Deck Extension Retrofit/Approach Slab (B-672;WB Abutment A) |
| B-672.WB.ABA.115 | F/R/P Retrofit for Deck Extension/Buried Approach Slabs (B-672 WB Abutment A) | 5 | 15-Nov-23 | 21-Nov-23 | 204 | 5@8H,W | F/R/P Retrofit for Deck Extension/Buried/Approach Slabs/(B-672 WB Abutment(A) |
| B-672.WB.ABA.120 | F/R/P Sleeper Slab/Approach Slab (B-672 WB Abutment A) | 3 | 22-Nov-23 | 28-Nov-23 | 204 | 5@8H,W | □ F/R/P Sleeper Slab/Approach Slab (B-672 WB Abutment A) |
| B-672.WB.ABA.105 | Widen Concrete Slope Protection (B-672 WB Abutment A) | 3 | 29-Nov-23 | 01-Dec-23 | 204 | 5@8H,W | |
| PIER 1 | That is only the step in occasion (a big in back in the figure of the step in occasion (a big in back in the figure of the step in occasion (a big in in occasion | | 23 1101 23 | 02 500 20 | | 363., | |
| B-672.WB.P1.100 | Set Template & Drive Test Pile (B-672 WB Pier 1) | 2 | 13-Sep-23 | 14-Sep-23 | 178 | 5@8H,W | Set Template & Drive Test Pile (B-672 WB Pier 1) |
| B-672.WB.P1.120 | Wait Period for Test Pile (B-672 WB Pier 1) | 5 | 15-Sep-23 | 19-Sep-23 | 299 | CALENDAR DAY (8) | Wait Period for Test Pile (B-672 WB Pier 1) |
| B-672.WB.P1.125 | Test Pile Re-Strike & Pile Length Det. (B-672 WB Pier 1) | 3 | 19-Sep-23 | 22-Sep-23 | 192 | 5@8H,W | Test Pile Re-Strike & Pile Length Det. (B-672 WB Pier 1) |
| B-672.WB.P1.130 | Drive Production Piles (B-672 WB Pier 1) | 4 | 09-Oct-23 | 13-Oct-23 | 192 | 5@8H,W | Drive Production Piles (B-672 WB Pier 1) |
| B-672.WB.P1.105 | F/R/P Cap (B-672 WB Pier 1) | 6 | 13-Oct-23 | 23-Oct-23 | 192 | 5@8H,W | □ F/R/P Cap (B-672 WB Pier 1) |
| B-672.WB.P1.110 | Cure Cap (B-672 WB Pier 1) | 5 | 23-Oct-23 | 28-Oct-23 | 298 | CURE | © Cure Cap (B-672 WB Pier 1) |
| B-672.WB.P1.115 | Strip Cap (B-672 WB Pier 1) | 1 | 23-Oct-23 | 24-Oct-23 | 193 | 5@8H,W | StripCap (B-672 WB Pier 1) |
| PIER 2 | | | | 5 . 2 . 2 . 2 | | | |
| B-672.WB.P2.100 | Drive Production Piles (B-672 WB Pier 2) | 3 | 15-Sep-23 | 19-Sep-23 | 178 | 5 @ 8 H, W | Drive Production Piles (B-672 WB Pier 2) |
| B-672.WB.P2.105 | F/R/P Cap (B-672 WB Pier 2) | 6 | 20-Sep-23 | 27-Sep-23 | 210 | 5@8H,W | D F/R/P Cap (B-672 WB Pier 2) |
| B-672.WB.P2.110 | Cure Cap (B-672 WB Pier 2) | 5 | 27-Sep-23 | 02-Oct-23 | 325 | CURE | [] Cure Cap (B-672 WB Pier 2) |
| B-672.WB.P2.115 | Strip Cap (B-672 WB Pier 2) | 1 | 28-Sep-23 | 28-Sep-23 | 211 | 5@8H,W | Strip Cap (B-672 WB Pièr 2) |
| ABUTMENT B | | | | | | | |
| B-672.WB.ABB.150 | Excavate/Install SOE for Foundation Widening (B-672 WB Abutment B) | 4 | 11-Sep-23 | 14-Sep-23 | 181 | 5@8H,W | Excavate/Install SQE for Foundation Widening (B-672 WB Abutment B) |
| B-672.WB.ABB.115 | Set Template & Drive Test Pile (B-672 WB Abut B) | 2 | 20-Sep-23 | 21-Sep-23 | 178 | 5@8H,W | Set Template & Drive Test Pile (B-672 WB Abut B) |
| - 0 015'AAD'UDD'TT3 | Section place to british to the time to the same place to the same | | | 21 JCh-57 | 1/0 | J @ 011, W | |
| t: 24-Jun-22 10-Dec-26 i: 24-Jun-22 : 11-May-22 | Remaining Work Remaining Level of Effort Adver | ı/Impact rse Weather ional/Extra Woi | rk | | | (22HH002) | VDOT I-64 SEGMENT 4C BID SCHEDULE.V7 (RPT) BARCHART (11x17) TASK filter: All Activities Page 14 of 41 |

| ID Ac | ctivity Name | OD | ES | EF | TF | CALENDAR | 2022 | | 2023 | | | 2024 | | 2025 | | 202 | |
|---|---|-----------|---------------------------------------|------------------------|-----|------------------|--|------------|-----------|----------|--------------|---------------------------------|--------------------|--------------------------|---------------------------------------|---------------|----------|
| | | | | | | | JJASON | D J F M | A M J J | J A S | O N | D J F M A M J J A | SONDJF | MAMJJAS | ONDI | MAMJ | J A S |
| ■ B-672.WB.ABB.160 Wa | /ait Period for Test Pile (B-672 WB Abut B) | 5 | 22-Sep-23 | 26-Sep-23 | 278 | CALENDAR DAY (8) | | | | | Wait | Period for Test Pile (B-672 WI | Abut B) | | | | |
| ■ B-672.WB.ABB.165 Tes | st Pile Re-Strike & Pile Length Det. (B-672 WB Abut B) | 3 | 26-Sep-23 | 29-Sep-23 | 178 | 5@8H,W | | | | | Test | Pile Re-Strike & Pile Length De | t. (B-672 WB Ab | ut B) | | | |
| B-672.WB.ABB.170 Dri | rive Production Piles (B-672 WB Abut B) | 4 | 16-Oct-23 | 20-Oct-23 | 178 | 5@8H,W | | | | | [] Dri | ive Production Piles (B-672 W | B Abut B) | | | | |
| ■ B-672.WB.ABB.120 F/I | (R/P Cap (B-672 WB Abutment B) | 6 | 20-Oct-23 | 30-Oct-23 | 178 | 5@8H,W | | | | | ■ F | /R/P Cap (B-672 WB Abutme | nt B) | | | | |
| B-672.WB.ABB.140 Str | rip Cap (B-672 WB Abutment B) | 1 | 30-Oct-23 | 31-Oct-23 | 178 | 5@8H,W | | | | | \$1 | trip Cap (B-672 WB Abutmen | В) | | | | |
| ■ B-672.WB.ABB.125 F/I | (R/P Stem/Wall Extension/Cure Cap (B-672 WB Abutment B) | 8 | 31-Oct-23 | 13-Nov-23 | 178 | 5@8H,W | | | | | | F/R/P Stem/Wall Extension/C | ure Cap (B-672 V | VB Abutment B) | 1 1 1 1 | | 1 1 |
| B-672.WB.ABB.130 Cu | ure Stem/Wall (B-672 WB Abutment B) | 2 | 13-Nov-23 | 15-Nov-23 | 280 | CURE | | | | | 115 | Cure Stem/Wall (B-672 WB A | butment B) | | | | |
| B-672.WB.ABB.135 Str | rip Stem/Wall (B-672 WB A butment B) | 2 | 13-Nov-23 | 15-Nov-23 | 178 | 5@8H,W | | | | | | Strip Stem/Wall (B-672 WB A | butment B) | | | | |
| | ace Structure Backfill (B-672 WB Abutment B) | 2 | 15-Nov-23 | 17-Nov-23 | 178 | 5@8H,W | | | | | | Place Structure Backfill (B-67 | 2 WB Abutment | в) | | | : : |
| | ccavate/Install SOE for Deck Extension Retrofit/Approach Slab (B-672 WB Abutment B) | 4 | 17-Nov-23 | 27-Nov-23 | 197 | 5@8H,W | | | | | -!!- | Excavate/Install SOE for Dec | - 5(5 5 - | -(| 2 WB Abutmer | nt B) | |
| | /R/P Retrofit for Deck Extension/Buried Approach Slabs (B-672 WB Abutment B) | 5 | 27-Nov-23 | 04-Dec-23 | 197 | 5@8H,W | | | | | 'n | F/R/P Retrofit for Deck Exte | | | | | |
| | (R/P Sleeper Slab/Approach Slab (B-672 WB Abutment B) | 3 | 04-Dec-23 | 08-Dec-23 | 197 | 5@8H,W | | | | | 1 | F/R/P Sleeper Slab/Approa | 1 1 1 1 | | | | |
| | fiden Concrete Slope Protection (B-672 WB Abutment B) | 3 | 08-Dec-23 | 13-Dec-23 | 197 | 5@8H,W | | | | | | Widen Concrete Slope Pro | 1 1 1 1 | the first of the first | | | |
| SPAN A | inch consider slope i location (b. 072 Wb Abdullent b) | 3 | 00 DCC 25 | 15 DCC 25 | 137 | 3 @ 011, W | | | | | | Wider conditions | Cetton (B 072 W | D'Albacine III D' | | | |
| | emolish/Remove Barrier/Porti on of Existing Deck (B-672 WB Span A) | 2 | 21-Aug-23 | 22-Aug-23 | 190 | 5 @ 8 H, W | | | | 1 0 | emolish | n/Remove Barrier/Portion of I | xisting Deck (B-6 | 572 WB Span A) | | | |
| | etup Temporary Jacking/Support System (B-672 WB Span A) | 1 | 21-Aug-23 21-Aug-23 | 21-Aug-23 | 233 | 5 @ 8 H, W | | | | 1 1 | 1 1 1 | mporary Jacking/Support Syst | 1 1 1 1 | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | 1 1 |
| | ck Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-672 WB Span A) | 6 | 21-Aug-23 21-Nov-23 | 30-Nov-23 | 171 | | | | | , , | | Jack Span/Clean Pedestals/ | 1 1 1 | | 2 WB Snan 41 | | |
| | | 1 | | 22-Jan-24 | 141 | 5@8H,W | | | | | | Frect Precast Concrete | 1 1 1 1 | | 1 1 1 1 | | - 1 1 |
| | ect Precast Concrete Beam for Widening (B-672 WB Span A) | | 22-Jan-24 | | | 5 @ 8 H, W | | | | | | Set Overhangs (B-672 | | III 6 (D-0/2 WD Spall A | | | |
| | et Overhangs (B-672 WB Span A) | 1 | 23-Jan-24 | 23-Jan-24 | 141 | 5 @ 8 H, W | <u> </u> | | | | | | - 5(-1- 5 5 - 5 - | + | | | |
| | et Deck Pans (B-672 WB Span A) | 1 | 24-Jan-24 | 24-Jan-24 | 141 | 5@8H,W | | | | | | Set Deck Pans (B-672 | | | | | |
| | ace Deck Rebar (B-672 WB Span A) | 1 | 25-Jan-24 | 25-Jan-24 | 141 | 5@8H,W | | | | | | Place Deck Rebar (B-6 | 1 1 1 | 300-1-4 | | | |
| TATE OF THE PARTY | emove Overhangs (B-672 WB Span A) | 2 | 09-Apr-24 | 10-Apr-24 | 118 | 5 @ 8 H, W | | | | | | Remove Overl | nangs (B-672 WE | s Span A) | | | |
| SPAN B | | | | | | | | | | | | | | | | | |
| | emolish/Remove Barrier/Porti on of Existing Deck (B-672 WB Span B) | 2 | 23-Aug-23 | 24-Aug-23 | 190 | 5 @ 8 H, W | | | | | Demolish | n/Remove Barrier/Portion of | | -111-11111 | | | |
| B-672.WB.SPB.125 Se | etup Temporary Jacking/Support System (B-672 WB Span B) | 1 | 01-Dec-23 | 01-Dec-23 | 171 | 5 @ 8 H, W | | | | | | Setup Temporary Jacking/Si | 17 1 1 1 1 | | | | |
| B-672.WB.SPB.130 Jac | ck Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-672 WB Span B) | 6 | 04-Dec-23 | 12-Dec-23 | 171 | 5 @ 8 H, W | | 1 1 1 | | | : : ! | Jack Span/Clean Pedestals | 1 1 1 1 | | |); ; ; ; ; | |
| B-672.WB.SPB.105 Ere | ect Precast Concrete Beam for Widening (B-672 WB Span B) | 1 | 23-Jan-24 | 23-Jan-24 | 141 | 5 @ 8 H, W | | 1 1 1 | | | | Frect Precast Concrete | Beam for Wider | ning (B-672 WB Span B) | K | | |
| B-672.WB.SPB.110 Se | et Overhangs (B-672 WB Span B) | 1 | 24-Jan-24 | 24-Jan-24 | 141 | 5 @ 8 H, W | | | | | | Set Overhangs (B-672 | WB Span B) | | 1 1 1 1 | | |
| B-672.WB.SPB.115 Se | et Deck Pans (B-672 WB Span B) | 1 | 25-Jan-24 | 25-Jan-24 | 141 | 5@8H,W | | | | | | I Set Deck Pans (B-672 | WB Span B) | | 1 1 1 1 | | |
| B-672.WB.SPB.120 Pla | ace Deck Rebar (B-672 WB Span B) | 1 | 26-Jan-24 | 26-Jan-24 | 141 | 5@8H,W | | | | | | l Place Deck Rebar (B-6 | 72 WB Span B) | | | | |
| B-672.WB.SPB.135 Re | emove Overhangs (B-672 WB Span B) | 2 | 11-Apr-24 | 12-Apr-24 | 118 | 5@8H,W | | | | | | Remove Over | nangs (B-672 WI | B:Span B) | | | |
| SPAN C | | | | | | | | | | | | | | | | | |
| B-672.WB.SPC.100 De | emolish/Remove Barrier/Porti on of Existing Deck (B-672 WB Span C) | 2 | 25-Aug-23 | 28-Aug-23 | 190 | 5@8H,W | | | | 0 1 | Demolis | h/Remove Barrier/Portion of | Existing Deck (B- | 672 WB Span C) | | | |
| B-672.WB.SPC.125 Se | etup Temporary Jacking/Support System (B-672 WB Span C) | 1 | 13-Dec-23 | 13-Dec-23 | 171 | 5@8H,W | | | | | | Setup Temporary Jacking/ | Support System (| B-672 WB Span C) | | | |
| B-672.WB.SPC.130 Jac | ck Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-672 WB Span C) | 6 | 14-Dec-23 | 21-Dec-23 | 171 | 5@8H,W | | | | | | Jack Span/Clean Pedestal | s/Perform Repair | s/Replace Bearings (B- | 572 WB Span C |); ; ; ; ; | |
| B-672.WB.SPC.105 Ere | ect Precast Concrete Beam for Widening (B-672 WB Span C) | 1 | 24-Jan-24 | 24-Jan-24 | 141 | 5@8H,W | | | | | | Erect Precast Concrete | | | | | |
| ■ B-672.WB.SPC.110 Se | et Overhangs (B-672 WB Span C) | 1 | 25-Jan-24 | 25-Jan-24 | 141 | 5@8H,W | | 1 1 1 | | | | Set Overhangs (B-672 | WB Span C) | | 1 1 1 1 | | |
| | et Deck Pans (B-672 WB Span C) | 1 | 26-Jan-24 | 26-Jan-24 | 141 | 5@8H,W | | | | | | Set Deck Pans (B-672 | WB Span C) | | 1 1 1 1 | | |
| | ace Deck Rebar (B-672 WB Span C) | 1 | 29-Jan-24 | 29-Jan-24 | 141 | 5@8H,W | | | | | | Place Deck Rebar (B-6 | 1 1 1 1 | | | | |
| | emove Overhangs (B-672 WB Span C) | 2 | 16-Apr-24 | 17-Apr-24 | 118 | 5@8H,W | Historia | 1-1-1-1 | | | | Remove Ove | hangs (B-672 W | 'B Span C) | | | -11- |
| ALLSPANS | | | | | | 2 - , | 1 | | | | | | | | | | |
| | erform Substructure Repairs (B-672 WB) | 20 | 22-Dec-23 | 29-Jan-24 | 171 | 5 @ 8 H, W | 1 | | | | | Perform Substructure | Repairs (B-672 V | VB) | | | |
| | etup Bidwell/Place Deck (B-672 WB Allspans) | 5 | 11-Mar-24 | 15-Mar-24 | 114 | BRIDGE DECK | | | | | | Setup Bidwell/Pl | 10 1 1 | | | | 1 1 |
| | ridge Deck Curing (B-672 WB Allspans) | 7 | 15-Mar-24 | 22-Mar-24 | 175 | CURE | | | | | 1 I i | Bridge Deck Cur | 1 1 1 1 1 1 | | | | - |
| | (R/P Bridge Barrier (B-672 WB Allspans) | 10 | 25-Mar-24 | 05-Apr-24 | 114 | 5 @ 8 H, W | | | | | 1-1-1 | ☐ F/R/P Bridge E | - F (| -12-1-1-1-1-1-1-1-1-1 | | | |
| | carification/Hydrodemolition of Bridge Deck (B-672 WB) | 10 | 09-Apr-24 | 03-Apr-24 09-Apr-24 | 114 | 5 @ 8 H, W | | | | | | | | of Bridge Deck (B-672 \ | NB) | | |
| B-672.WB.ALLSPANS.1C Pe | · · - · · - · · · · · · · · · · · · | 6 | 10-Apr-24 | 18-Apr-24 | 114 | 5 @ 8 H, W | | | | | | Perform Dec | 5 1 1 1 | | | | |
| | • | 2 | · · · · · · · · · · · · · · · · · · · | - · | | | | | | | | | 1 1 1 1 1 | ncrete Bridge Deck Over | day (B-67314/D | | |
| | etup Bidwell/Place Latex Concrete Bridge Deck Overlay (B-672 WB) | | 19-Apr-24 | 22-Apr-24 | 114 | BRIDGE DECK | | | | | | | 71 1 1 1 | turing (B-672 WB) | ay (D-0/2 WB | | |
| | erform Mechanical Deck Texturing (B-672 WB) | 1 | 23-Apr-24 | 23-Apr-24 | 114 | 5 @ 8 H, W | {-{·· | | | | | ■ Perform Me | manical Lett 10 | (miliag (D-0/7 AAR) | | | |
| | D BRIDGE OVER HAMPTON RIVER ***** | | | | | | | | | | | | | | | | |
| B-673.EB.WBS.SUMMAR\ B-6 | · · · · · · · · · · · · · · · · · · · | 378 | 15-Nov-24 | 05-Jun-26 | 97 | 5@8H,W | | | | | | | | | | В | B-673 EE |
| +++++ EXISTIN G B-617 (OVER I | HAMPTON RIVER) SUBSTRUCTURE +++++ | | | | | | | | | | | | | | | | |
| B-617.SHIELD.100 Se | etup Underdeck Shielding over River Street (B-617 EB Span 2) | 5 | 15-Nov-24 | 22-Nov-24 | 176 | 5@8H,W | | | | | | | ☐ Setup | Underdeck Shielding ov | er River Street (| B-617 EB Span | 2) |
| B-617.SHIELD.105 Se | etup Underdeck Shielding over E Pembroke Ave (B-617 EB Spans 6/7) | 5 | 25-Nov-24 | 03-Dec-24 | 176 | 5@8H,W | | | | | | | 🛮 \$etup | Underdeck Shielding o | ver E Pembroke | Ave (B-617 EB | Spans 6 |
| ■ B-617.ABB.100 De | emolish Abutment B (B-617 Abutment B) | 5 | 03-Jan-25 | 09-Jan-25 | 3 | 5@8H,W | | | | | | | I D | emolish Abutment B (B | -617 Abutmen | tB) | |
| | onstruct Trestle (B-617 Abutment B to Pier 21) | 8 | 10-Jan-25 | 21-Jan-25 | 3 | 5@8H,W | 1 | | | | | | | Construct Trestle (B-617 | Abutment B to | Pier 21) | |
| | | | <u> </u> | | | | _ | | | | | | | <u> </u> | | | |
| 24-Jun-22 0-Dec-26 | Critical Remaining Work Changed Work Delay/ | ımpact | | | | (22HH002) |) VDOT I-64 | SEGN | 1ENT | 4C E | SID S | SCHEDULE.V7 | | | | | |
| 24-Jun-22 | Remaining Work Remaining Level of Effort Advers | e Weather | | | | | (RPT) BARCHA | RT (11x17) | TASK filt | ter: All | Activiti | es | | | | | |
| | | | | | | | | | | | | | | | | | |



| | Activity Name | OD | ES | EF | TF | CALENDAR | 2022 2023 | 2024 2025 2026 |
|---|--|--|-----------|-----------|-----|------------|--|--|
| | | | | | | | | |
| B-617.P21.100 | Demolish Pier 21 LT/RT (B-617 Pier 21) | 4 | 22-Jan-25 | 28-Jan-25 | 3 | 5@8H,W | | Dernolish Pier 21; LT/RT (B-617 Pier 21) |
| B-617.TRESTLE.105 | Construct Trestle Extension (B-617 Pier 21 to Pier 20) | 8 | 29-Jan-25 | 07-Feb-25 | 3 | 5@8H,W | | Construct Trestle Extension (B-617 Pier 21 to Pier 20) |
| B-617.P20.100 | Demolish Pier 20 LT/RT (B-617 Pier 20) | 4 | 10-Feb-25 | 13-Feb-25 | 3 | 5@8H,W | | I Démólish Pier 20 LT/RT (B-617 Pier 20) |
| B-617.TRESTLE.110 | Construct Trestle Extension (B-617 Pier 20 to Pier 19) | 8 | 14-Feb-25 | 26-Feb-25 | 3 | 5@8H,W | | Construct Trestle Extension (B 617 Pier 20 to Pier 19) |
| B-617.P19.100 | Demolish Pier 19 LT/RT (B-617 Pier 19) | 4 | 27-Feb-25 | 04-Mar-25 | 3 | 5@8H,W | | Demolish Pier 19 LT/RT (B-617 Pier 19) |
| B-617.TRESTLE.115 | Construct Trestle Extension (B-617 Pier 19 to Pier 18) | 8 | 05-Mar-25 | 14-Mar-25 | 3 | 5@8H,W | | Construct Trestle Extension (B-617 Pier 19 to Pier 18) |
| B-617.P18.100 | Demolish Pier 18 LT/RT (B-617 Pier 18) | 4 | 17-Mar-25 | 20-Mar-25 | 3 | 5@8H,W | | Demblish Pier 18 LT/RT (B-617 Pier 18) |
| B-617.TRESTLE.120 | Construct Trestle (B-617 River St Park to Piers 8/9) | 4 | 17-Mar-25 | 20-Mar-25 | 122 | 5@8H,W | | Construct Trestle (B-617 River St Parkito Pier's 8/9) |
| B-617.P17.100 | Demolish Pier 17 LT/RT (B-617 Pier 17) | 4 | 21-Mar-25 | 27-Mar-25 | 281 | 5@8H,W | | ☐ Demolish Pier 17 LT/RT (B-617 Pier 17) |
| B-617.P09.100 | Demolish Pier 9 (B-617 Pier 9) | 2 | 21-Mar-25 | 25-Mar-25 | 122 | 5@8H,W | | Demolish Pier 9 (B-617 Pier 9) |
| B-617.P08.100 | Demolish Pier 8 (B-617 Pier 8) | 2 | 26-Mar-25 | 27-Mar-25 | 122 | 5@8H,W | | Demolish Pier;8 (B-617 Pier 8); |
| B-617.P16.100 | Demolish Pier 16 LT/RT (B-617 Pier 16) | 4 | 28-Mar-25 | 02-Apr-25 | 281 | 5@8H,W | | Demolish Pier 16 LT/RT;(B-617 Pier 16) |
| B-617.TRESTLE.125 | Remove Trestle (B-617 River St Park to Piers 8/9) | 2 | 28-Mar-25 | 31-Mar-25 | 303 | 5@8H,W | | Remove Trestle (B-617 River St Park to Piers 8/9) |
| B-617.P07.100 | Demolish Pier 7 (B-617 Pier 7) | 2 | 28-Mar-25 | 31-Mar-25 | 122 | 5@8H,W | 4 | Demolísh Pier 7 (B-617 Pier 7) |
| B-617.P06.100 | Demolish Pier 6 (B-617 Pier 6) | 2 | 01-Apr-25 | 02-Apr-25 | 122 | 5@8H,W | | Demolish Pier 6 (B-617 Pier 6) |
| B-617.P15.100 | Demolish Pier 15 LT/RT (B-617 Pier 15) | 4 | 03-Apr-25 | 08-Apr-25 | 281 | 5@8H,W | | □ Demalish Pier 15 LT/RT (B-617 Pier 15) |
| B-617.P05.100 | Demolish Pier 5 (B-617 Pier 5) | 2 | 03-Apr-25 | 04-Apr-25 | 122 | 5 @ 8 H, W | | Demolish Pier 5 (B-617 Pier 5) |
| B-617.P04.100 | Demolish Pier 4 (B-617 Pier 4) | 2 | 07-Apr-25 | 08-Apr-25 | 122 | 5 @ 8 H, W | | │ Demolish Pier 4 (B-617 Pier 4) |
| B-617.P14.100 | Demolish Pier 14 LT/RT (B-617 Pier 14) | 4 | 09-Apr-25 | 14-Apr-25 | 281 | 5 @ 8 H, W | | Demolish Pier 14 |
| B-617.P03.100 | Demolish Pier 3 (B-617 Pier 3) | 2 | 09-Apr-25 | 10-Apr-25 | 122 | 5 @ 8 H, W | | I Demolish Pier 3 (B-617 Pier 3) |
| B-617.P02.100 | Demolish Pier 2 (B-617 Pier 2) | 4 | 11-Apr-25 | 16-Apr-25 | 122 | 5@8H,W | | Demolish Pier 2 (B-617 Pier 2) |
| B-617.P13.100 | Demolish Pier 13 LT/RT (B-617 Pier 13) | 4 | 15-Apr-25 | 21-Apr-25 | 281 | 5@8H,W | | Demolish Pier 13 LT/RT (B-617 Pier 13) |
| B-617.P01.100 | Demolish Pier 1 (B-617 Pier 1) | 4 | 17-Apr-25 | 23-Apr-25 | 122 | 5@8H,W | | Demolish Pier 1 (B-617 Pier 1) |
| B-617.P12.100 | Demolish Pier 12 LT/RT (B-617 Pier 12) | 4 | 22-Apr-25 | 28-Apr-25 | 281 | 5@8H,W | | Demolish Pier 12 LT/RT (B-617 Pier 12) |
| B-617.ABA.100 | Demolish Abutment A (B-617 Abutment A) | 5 | 25-Apr-25 | 01-May-25 | 122 | 5@8H,W | | Demolish Abutment A (B-617 Abutment A) |
| B-617.P11.100 | Demolish Pier 11 (B-617 Pier 11) | 2 | 29-Apr-25 | 30-Apr-25 | 281 | 5@8H,W | | Demolish Pier 11 (B-617 Pier 11) |
| B-617.P10.100 | Demolish Pier 10 (B-617 Pier 10) | 2 | 01-May-25 | 02-May-25 | 281 | 5@8H,W | | Demolish Pier 10 (B+617 Pier 10) |
| +++++ EXISTIN G B-617 (C | OVER HAMPTON RIVER) SUPERSTRUCTURE +++++ | | | | | | | <u> </u> |
| B-617.SP14.100 | Demolish/Remove Deck/Steel (B-617 Span14) | 5 | 15-Nov-24 | 22-Nov-24 | 3 | 5@8H,W | | Demolish/Remove Dedk/Steel (B-617 Span14) |
| B-617.SP15.100 | Demolish/Remove Deck/Steel (B-617 Span15) | 5 | 25-Nov-24 | 03-Dec-24 | 3 | 5@8H,W | | Demolish/Remove Deck/Steel(B-617Span15) |
| B-617.SP13.100 | Demolish/Remove Deck/Steel (B-617 Span13) | 5 | 25-Nov-24 | 03-Dec-24 | 151 | 5@8H,W | | Demolish/Remove Deck/Steel(B-617 Span13) |
| B-617.SP16.100 | Demolish/Remove Deck/Steel (B-617 Span16) | 5 | 04-Dec-24 | 10-Dec-24 | 3 | 5@8H,W | | Demolish/Remove/Deck/\$teel(B-61.7 Span 16) |
| B-617.SP12.100 | Demolish/Remove Deck/Steel (B-617 Span12) | 5 | 04-Dec-24 | 10-Dec-24 | 151 | 5@8H,W | | Demolish/Remove/Deck/Steel (B-61.7 Span 12) |
| B-617.SP17.100 | Demolish/Remove Deck/Steel (B-617 Span 17) | 5 | 11-Dec-24 | 17-Dec-24 | 3 | 5@8H,W | | Demolish/Remove Deck/Steel (B-617 Span 17) |
| B-617.SP11.100 | Demolish/Remove Deck/Steel (B-617 Span11) | 5 | 11-Dec-24 | 17-Dec-24 | 151 | 5@8H,W | _[| Demolish/Remove Deck/Steel (B-617 Span11) |
| B-617.SP18.100 | Demolish/Remove Deck/Steel (B-617 Span18) | 5 | 19-Dec-24 | 02-Jan-25 | 3 | 5@8H,W | | Demolish/Remove Deck/Steel (B-617 Span18) |
| B-617.SP10.100 | Demolish/Remove Deck/Steel (B-617 Span10) | 5 | 19-Dec-24 | 02-Jan-25 | 151 | 5@8H,W | | Demolish/Remove Deck/Steel (B-617 Span10) |
| B-617.SP09.100 | Demolish/Remove Deck/Steel (B-617 Span9) | 5 | 03-Jan-25 | 09-Jan-25 | 151 | 5@8H,W | | Demolish/Remove Deck/Steel (B-61.7 Span9) |
| B-617.SP08.100 | Demolish/Remove Deck/Steel (B-617 Span8) | 5 | 10-Jan-25 | 16-Jan-25 | 151 | 5@8H,W | | Demolish/Remove Deck/Steel (B-\$17 Span8) |
| B-617.SP07.100 | Demolish/Remove Deck/Steel/Remove Underdeck Shielding (B-617 Span 7) | 6 | 17-Jan-25 | 27-Jan-25 | 151 | 5@8H,W | | Demolish/Remove Deck/Steel/Remove Underdeck Shieldin |
| B-617.SP06.100 | Demolish/Remove Deck/Steel/Remove Underdeck Shielding (B-617 Span 6) | 6 | 28-Jan-25 | 04-Feb-25 | 151 | 5@8H,W | | Demotish/Remove Deck/Steel/Remove Underdeck Shieldi |
| B-617.SP05.100 | Demolish/Remove Deck/Steel (B-617 Span5) | 5 | 05-Feb-25 | 11-Feb-25 | 151 | 5 @ 8 H, W | | Demolish/Remove; Deck/Steel (B-617 Span5) |
| B-617.SP04.100 | Demolish/Remove Deck/Steel (B-617 Spa n4) | 5 | 12-Feb-25 | 18-Feb-25 | 151 | 5 @ 8 H, W | | Demolish/Remove Deck/Steel (B-617 Span4) |
| B-617.SP03.100 | Demolish/Remove Deck/Steel (B-617 Span3) | 5 | 19-Feb-25 | 26-Feb-25 | 151 | 5@8H,W | | Demolish/Remove Deck/Stee (B-617 Span3) |
| B-617.SP02.100 | Demolish/Remove Deck/Steel/Remove Underdeck Shielding (B-617 Span 2) | 6 | 27-Feb-25 | 06-Mar-25 | 151 | 5@8H,W | | Demolish/Remove Deck/\$tee I/Remove Underdeck \$hid |
| B-617.SP01.100 | Demolish/Remove Deck/Steel (B-617 Span1) | 3 | 07-Mar-25 | 11-Mar-25 | 151 | 5 @ 8 H, W | | Demolish/Remove; Deck/Steel (B-617 Span1) |
| +++++ EXISTIN G B-618 (C | OVER BOXWOOD ST) SUBSTRUCTURE +++++ | | | | | | | |
| B-618.ABA.100 | Demolish Abutment A (B-618 Abutment A) | 3 | 05-Dec-24 | 09-Dec-24 | 195 | 5 @ 8 H, W | | Demolish Abutment A (B-618 Abutment A) |
| B-618.P1.100 | Demolish Pier 1 (B-618 Pier 1) | 2 | 10-Dec-24 | 11-Dec-24 | 346 | 5 @ 8 H, W | | Demolish Pier 1 (B-618 Pier 1) |
| B-618.P2.100 | Demolish Pier 2 (B-618 Pier 2) | 2 | 20-Dec-24 | 30-Dec-24 | 341 | 5 @ 8 H, W | | Demolish Pier 2 (B-618 Pier 2) |
| B-618.P3.100 | Demolish Pier 3 (B-618 Pier 3) | 2 | 06-Jan-25 | 07-Jan-25 | 338 | 5@8H,W | | Demolish Pier 3 (B-618 Pier 3) |
| B-618.P4.100 | Demolish Pier 4 (B-618 Pier 4) | 2 | 13-Jan-25 | 14-Jan-25 | 335 | 5@8H,W | | l Demolish Pier 4 (B-618 Pier 4) |
| B-618.P5.105 | Demolish Pier 6 (B-618 Pier 6) | 2 | 04-Feb-25 | 05-Feb-25 | 322 | 5@8H,W | | 1 Demolish Pier 6 (B-618 Pier 6) |
| B-618.P5.110 | Demolish Abutment B (B-618 Abutment B) | 3 | 06-Feb-25 | 10-Feb-25 | 322 | 5@8H,W | | Demolish Abutment B (B-618 Abutment B) |
| B-618.TRESTLE.100 | Construct Trestle (B-618 Waterway Span) | 8 | 11-Feb-25 | 20-Feb-25 | 322 | 5 @ 8 H, W | | Construct Trestle (B-618 Waterway Span) |
| B-618.P5.100 | Demolish Pier 5 (B-618 Pier 5) | 2 | 21-Feb-25 | 25-Feb-25 | 322 | 5@8H,W | 7 | I) Demolish Pier;5 (B-G18 Pier 5) |
| 24-Jun-22 D-Dec-26 4-Jun-22 I-May-22 | Remaining Work Remaining Level of Effort | Delay/Impact Adverse Weather Additional/Extra Wo | rk | | | (22HH002 | 2) VDOT I-64 SEGMENT 4C BID S (RPT) BARCHART (11x17) TASK filter: All Activitie: Page 16 of 41 | |





| | Activity Name | | | | | | |
|--|---|--|-----------|------------|-----|------------------|---|
| B-618.TRESTLE.105 | Remove Trestle (B-618 Waterway Span) | 4 | 12-May-25 | 15-May-25 | 272 | 5 @ 8 H, W | Remove Trestle (B+618 Waterway Span) |
| +++++ EXISTIN G B-618 (O | VER BOXWOOD ST) SUPERSTRUCTURE +++++ | | | | | | |
| ■ B-618.SHIELD.100 | Setup Underdeck Shielding over Boxwood Street (B-618 EB Span 1) | 5 | 15-Nov-24 | 22-Nov-24 | 195 | 5@8H,W | Setup Underdeck Shielding over Boxwood Street (B-618 EB Span 1) |
| ■ B-618.SP1.100 | Demolish/Remove Deck/Steel/Remove Underdeck Shielding (B-618 EB Span 1) | 6 | 25-Nov-24 | 04-Dec-24 | 195 | 5@8H,W | Demolish/Remove Deck/Steel/Remove Underdeck Shielding (B-618 EB S |
| ■ B-618.SP2.100 | Demolish/Remove Deck/Steel (B-618 EB Span2) | 5 | 05-Dec-24 | 11-Dec-24 | 322 | 5@8H,W | Demolish/Remove Deck/Steel (B-618 EB Span2) |
| B-618.SP3.100 | Demolish/Remove Deck/Stee I (B-618 EB Span3) | 5 | 12-Dec-24 | 19-Dec-24 | 322 | 5@8H,W | □ Demplish/Remjove Decky/Steel (B-618 EB; Span3) |
| ■ B-618.SP4.100 | Demolish/Remove Deck/Stee I (B-618 EB Span4) | 5 | 20-Dec-24 | 03-Jan-25 | 322 | 5@8H,W | □ Demolish/Reimave Dedk/Steel((B-61/8 BB Spain4) |
| B-618.SP5.100 | Demolish/Remove Deck/Stee I (B-618 EB Span5) | 5 | 06-Jan-25 | 10-Jan-25 | 322 | 5@8H,W | □ Demolish/Remove:Deck/Steel (B - 618 EB Span5) |
| B-618.SP6.100 | Demolish/Remove Deck/Steel (B-618 EB Span6) | 5 | 13-Jan-25 | 17-Jan-25 | 322 | 5@8H,W | I Demolish/Remove Deck/Steel (B-618 EB Span6) |
| ■ B-618.SP7.100 | Demolish/Remove Deck/Stee I (B-618 EB Span7) | 5 | 20-Jan-25 | 27-Jan-25 | 322 | 5@8H,W | 0; Ďemolish/Remove Ďeck/Steel (B 618 EB Span)7); |
| ■ B-618.SP8.100 | Demolish/Remove Deck/Stee I (B-618 EB Span8) | 5 | 28-Jan-25 | 03-Feb-25 | 322 | 5@8H,W | ☐ Demolish/Remove Deck/Steel(E 618 EB Span8) |
| +++++ NEW SUBSTRUCTU | JRE +++++ | | | | | | |
| ABUTMENT A1 ~~ | www. | | | | | | |
| B-673.ABA1.100 | Excavate/Install SOE for Abutment (B-673 EB Abutment A1) | 4 | 02-May-25 | 07-May-25 | 183 | 5@8H,W | Excavate/Install SOE for Abutment (B-673 EB Abutment to the contract of th |
| ■ B-673.ABA1.110 | Set Template & Drive Test Pile (B-673 EB Abut A1) | 2 | 02-Jun-25 | 03-Jun-25 | 167 | 5@8H,W | I Şet,Template(& Drive Test Pile((B-67/3 EB Abut A1) |
| B-673.ABA1.115 | Wait Period for Test Pile (B-673 EB Abut A1) | 5 | 04-Jun-25 | 08-Jun-25 | 248 | CALENDAR DAY (8) | 1 Wait Peniod for Test Pile (8-673 EB Abut A1) |
| ■ B-673.ABA1.120 | Test Pile Re-Strike & Pile Length Det. (B-673 EB Abut A1) | 3 | 09-Jun-25 | 11-Jun-25 | 168 | 5@8H,W | l Test Pile Re-Strike & Pile Length Det. (B-673 EB Abut A |
| B-673.ABA1.125 | Set Template & Drive Production Piles (B-673 EB Abut A1) | 4 | 27-Jun-25 | 03-Jul-25 | 166 | 5@8H,W | ■ Set Template & Drive Production Piles (B-673 EB At |
| ■ B-673.ABA1.130 | F/R/P Cap (B-673 EB Abutment A1) | 6 | 03-Jul-25 | 14-Jul-25 | 166 | 5@8H,W | □ F/R/P Cap (B-673 EB Abutment A1) |
| B-673.ABA1.135 | Cure/Strip Cap (B-673 EB Abutment A1) | 4 | 14-Jul-25 | 18-Jul-25 | 166 | 5@8H,W | |
| B-673.ABA1.140 | F/R/P Stem/Wall (B-673 EB Abutment A1) | 10 | 18-Jul-25 | 01-Aug-25 | 166 | 5@8H,W | □ F/R/P \$tem/Wall (B-673 EB Abutment A1) |
| B-673.ABA1.145 | Cure/Strip Stem/Wall (B-673 EB Abutment A1) | 5 | 01-Aug-25 | 08-Aug-25 | 166 | 5@8H,W | Curte/Strip Stem/Wall (B-673 EB Abutment A1) |
| ■ B-673.ABA1.150 | Place Structure Backfill (B-673 EB Abutment A1) | 4 | 08-Aug-25 | 14-Aug-25 | 166 | 5@8H,W | ☐ Place Structure Backfill (B-673 EB Abutment A |
| B-673.ABA1.155 | F/R/P/ Sleeper/Approach Slab (B-673 EB Abutment A1) | 5 | 14-Aug-25 | 21-Aug-25 | 196 | 5@8H,W | II F/R/∮/ Sleeper/Approach Slab (B-673 EB Abu |
| B-673.ABA1.160 | Place Concrete Slope Protection (B-673 Abutment A1) | 5 | 14-Aug-25 | 21-Aug-25 | 204 | 5@8H,W | II Prace Concrete Slope Protection (B-673 Abutu |
| BENT 1 ~~~~ | | | | | | | |
| ■ B-673.B1.100 | Set Template & Drive Test Pile (B-673 EB Bent 1) | 2 | 29-May-25 | 30-May-25 | 165 | 5@8H,W | I Set Template & Drive Test Pile (B+673 EB Bent 1) |
| ■ B-673.B1.105 | Wait Period for Test Pile (B-673 EB Bent 1) | 5 | 31-May-25 | 04-Jun-25 | 246 | CALENDAR DAY (8) | I Wait Peniod for Test Pilé (B-673 EB Bent 1) |
| ■ B-673.B1.110 | Test Pile Re-Strike & Pile Length Det. (B-673 EB Bent 1) | 3 | 04-Jun-25 | 09-Jun-25 | 166 | 5@8H,W | II Test Pile Re-Strike & Pile Length Det, (B-673 EB Bent 1 |
| ■ B-673.B1.115 | Set Template & Drive Production Piles (B-673 EB Bent 1) | 4 | 23-Jun-25 | 27-Jun-25 | 166 | 5@8H,W | 🕻 Şet Template & Drive Production Piles (B-673 EB Be |
| ■ B-673.B1.120 | F/R/P Cap (B-673 EB Bent 1) | 6 | 27-Jun-25 | 08-Jul-25 | 182 | 5@8H,W | Ū F/R/P/Cap (B-673 EB Bent 1) |
| ■ B-673.B1.125 | Cure/Strip Cap (B-673 EB Bent 1) | 4 | 08-Jul-25 | 14-Jul-25 | 182 | 5@8H,W | ID Oure/Strip Cap (B-673 EB Bent 1) |
| BENT 2 ~~~~ | | | | | | | |
| ■ B-673.B2.100 | Set Template & Drive Production Piles (B-673 EB Bent 2) | 5 | 21-May-25 | 28-May-25 | 122 | 5@8H,W | II Set Template & Drive Production Piles (B-673 £B Bent 2 |
| ■ B-673.B2.105 | F/R/P Cap (B-673 EB Bent 2) | 6 | 29-May-25 | 05-Jun-25 | 122 | 5@8H,W | Û F/rk/P Cap (B-673 EB Bent 2) |
| ■ B-673.B2.110 | Cure/Strip Cap (B-673 EB Bent 2) | 4 | 06-Jun-25 | 11-Jun-25 | 122 | 5@8H,W | . I Cure/\$trip Cap (Β-673;EB;Bent 2) |
| BENT 3 ~~~~ | | | | | | | |
| ■ B-673.B3.100 | Construct Trestle (B-673 EB Shore to Bent 3) | 8 | 02-May-25 | 13-May-25 | 122 | 5@8H,W | ☐ Construct Trèstle (B-6/73 EB Shore to Bent 3) |
| ■ B-673.B3.105 | Set Template & Drive Production Piles (B-673 EB Bent 3) | 5 | 14-May-25 | 20-May-25 | 122 | 5@8H,W | □ Set Template & Drive Production Piles (B-67/3 EB Bent 3 |
| ■ B-673.B3.110 | F/R/P Cap (B-673 EB Bent 3) | 6 | 21-May-25 | 29-May-25 | 125 | 5@8H,W | Ū r̄/R/P Çap/(B-673 Eb Bent 3) |
| ■ B-673.B3.115 | Cure/Strip Cap (B-673 EB Bent 3) | 4 | 30-May-25 | 04-Jun-25 | 125 | 5@8H,W | Û Cure/Strip Cap (B-673 EB Bent 3) |
| BENT 4 | | | | | | | |
| ■ B-673.B4.100 | Set Template & Drive Test Pile (B-673 EB Bent 4) | 2 | 11-Jul-25 | 15-Jul-25 | 65 | 5@8H,W | ■ Se't Template & Drive Test Pile (B-673 EB Bent 4) |
| ■ B-673.B4.105 | Wait Period for Test Pile (B-673 EB Bent 4) | 5 | 16-Jul-25 | 20-Jul-25 | 92 | CALENDAR DAY (8) | I Wait Period for Test Pile (B-673 EB Bent 4) |
| ■ B-673.B4.110 | Test Pile Re-Strike & Pile Length Det. (B-673 EB Bent 4) | 3 | 21-Jul-25 | 23-Jul-25 | 65 | 5@8H,W | Test Pile Re-Strike & Pile Length Det. (B-673/EB/Bd |
| ■ B-673.B4.115 | Set Template & Drive Production Piles (B-673 EB Bent 4) | 4 | 07-Aug-25 | 12-Aug-25 | 65 | 5@8H,W | 1 Set Template & Drive Production Piles (B-673 E |
| ■ B-673.B4.120 | F/R/P Cap (B-673 EB Bent 4) | 6 | 13-Aug-25 | 20-Aug-25 | 65 | 5@8H,W | □ F/R/P Cap (B-673;EB;Bent 4) |
| ■ B-673.B4.125 | Cure/Strip Cap (B-673 EB Bent 4) | 4 | 21-Aug-25 | 26-Aug-25 | 65 | 5@8H,W | 0: Curé/Strip Cap (Β-673 ΕΒ Bent 4) |
| BENT 5 | | | | | | | |
| B-673.B5.100 | Set Template & Drive Production Piles (B-673 EB Bent 5) | 5 | 03-Jul-25 | 11-Jul-25 | 65 | 5@8H,W | ☐ Set Template & Drive Production Piles (B-673 EB B |
| B-673.B5.105 | F/R/P Cap (B-673 EB Bent 5) | 6 | 11-Jul-25 | 21-Jul-25 | 85 | 5@8H,W | □ F/R/P Cap (B-673;EB; Bent 5) |
| B-673.B5.110 | Cure/Strip Cap (B-673 EB Bent 5) | 4 | 21-Jul-25 | 25-Jul-25 | 85 | 5@8H,W | I. Cure/Strip Cap (B+673 EB Bent 5); |
| B 075.855.110 | A COURT OF THE COURT | | | | | | |
| B-673.B6.100 | Set Template & Drive Test Pile (B-673 EB Bent 6) | 2 | 04-Jun-25 | 05-Jun-25 | 64 | 5@8H,W | Set Template & Drive Test Pile (B-673 EB Bent 6) |
| B-673.B6.105 | Wait Period for Test Pile (B-673 EB Bent 6) | 5 | 06-Jun-25 | 10-Jun-25 | 93 | CALENDAR DAY (8) | Wait Period for Test Pile (B-673 EB Bent 6) |
| B-673.B6.110 | Test Pile Re-Strike & Pile Length Det. (B-673 EB Bent 6) | 3 | 10-Jun-25 | 13-Jun-25 | 65 | 5 @ 8 H, W | Test Pile Re-Strike & Pile Length; Det. (B-673 EB Bent |
| D 0/3/D0/TIO | reserve the same or the tengar per (0-0/3 to bent o) | ј э | TO-JULEZJ | 13-3011-53 | UJ | J (# O 11, VV | In the second of the first of the second of the first of |
| 24-Jun-22 10-Dec-26 24-Jun-22 11-May-22 | Remaining Work Remaining Level of Effort Ac | elay/Impact Iverse Weather Iditional/Extra Wor | ık | | | (22HH002) | VDOT I-64 SEGMENT 4C BID SCHEDULE.V7 (RPT) BARCHART (11x17) TASK filter: All Activities Page 17 of 41 |



| /ID | Activity Name | OD | ES | EF | TF | CALENDAR | 2022 2023 2024 2025 2026 |
|--|--|--|-----------|-----------|-----|------------------|--|
| | | | | | | | |
| B-673.B6.115 | Set Template & Drive Production Piles (B-673 EB Bent 6) | 4 | 27-Jun-25 | 03-Jul-25 | 65 | 5@8H,W | Set Template & Drive Production Piles (B-673) |
| ■ B-673.B6.120 | F/R/P Cap (B-673 EB Bent 6) | 6 | 03-Jul-25 | 14-Jul-25 | 88 | 5@8H,W | ☐ F/R/P Caip (B-6/73 EB Bent 6) |
| B-673.B6.125 | Cure/Strip Cap (B-673 EB Bent 6) | 4 | 14-Jul-25 | 18-Jul-25 | 88 | 5@8H,W | I Cure/Strip Cap (B-573 EB Bent 6) |
| □ ~~~~ BENT 7 ~~~~ | | | | | | ' | |
| ■ B-673.B7.100 | Set Template & Drive Production Piles (B-673 EB Bent 7) | 5 | 28-May-25 | 03-Jun-25 | 64 | 5@8H,W | 1) Set Template & Drive Production Piles (8-673 EB |
| ■ B-673.B7.105 | F/R/P Cap (B-673 EB Bent 7) | 6 | 05-Jun-25 | 12-Jun-25 | 103 | 5@8H,W | 1 F/R/P/Cap (B-673 EB Bent 7); |
| ■ B-673.B7.110 | Cure/Strip Cap (B-673 EB Bent 7) | 4 | 13-Jun-25 | 18-Jun-25 | 107 | 5@8H,W | Li Cùre/Strip Capi(B-673 EB Bènt.7) |
| BENT 8 | and only and to did to the bank of | | 15 54 25 | 10 34 25 | 107 | 3 @ 3.1, 1. | |
| B-673.B8.100 | Set Template & Drive Test Pile (B-673 EB Bent 8) | 2 | 02-Apr-25 | 03-Apr-25 | 65 | 5@8H,W | \$ Set Template & Drive Test Pile (B-673 EB Bent 8) |
| B-673.B8.105 | Wait Period for Test Pile (B-673 EB Bent 8) | 5 | 04-Apr-25 | 08-Apr-25 | 117 | CALENDAR DAY (8) | |
| B-673.B8.110 | · · · · · · · · · · · · · · · · · · · | 3 | · · | 06-Apr-25 | 64 | 5 @ 8 H, W | ☐ Test Pile Re-Strike & Pile Length Det; (B;673 EB Ben |
| | Test Pile Re-Strike & Pile Length Det. (B-673 EB Bent 8) | 4 | 02-May-25 | | | | []; Set Template & Drive Production Piles (B-673 EB |
| B-673.B8.115 | Set Template & Drive Production Piles (B-673 EB Bent 8) | | 21-May-25 | 27-May-25 | 64 | 5@8H,W | |
| B-673.B8.120 | F/R/P Cap (B-673 EB Bent 8) | 6 | 28-May-25 | 04-Jun-25 | 103 | 5@8H,W | F/R/P Cap (B-673 EB Bent 8) |
| B-673.B8.125 | Cure/Strip Cap (B-673 EB Bent 8) | 4 | 05-Jun-25 | 10-Jun-25 | 111 | 5 @ 8 H, W | 10 Cure/\$trip Cap (B-673 EB Bent 8) |
| BENT 9 | | | | | | | |
| B-673.B9.100 | Set Template & Drive Test Pile (B-673 EB Bent 9) | 2 | 31-Mar-25 | 01-Apr-25 | 64 | 5@8H,W | ■ Set,Template,& Drive Test Pile (B:673 EB Bient 9) |
| ■ B-673.B9.105 | Wait Period for Test Pile (B-673 EB Bent 9) | 5 | 02-Apr-25 | 06-Apr-25 | 94 | CALENDAR DAY (8) | - |
| B-673.B9.110 | Test Pile Re-Strike & Pile Length Det. (B-673 EB Bent 9) | 3 | 07-Apr-25 | 09-Apr-25 | 64 | 5 @ 8 H, W | Test Pile Re-Strike & Pile Length Det. (B-673 EB Bent 9 |
| B-673.B9.115 | Set Template & Drive Production Piles (B-673 EB Bent 9) | 4 | 28-Apr-25 | 01-May-25 | 64 | 5 @ 8 H, W | |
| ■ B-673.B9.120 | F/R/P Cap (B-673 EB Bent 9) | 6 | 02-May-25 | 09-May-25 | 114 | 5@8H,W | D F/R/PCap (B-673 EB Bent 9) |
| ■ B-673.B9.125 | Cure/Strip Cap (B-673 EB Bent 9) | 4 | 12-May-25 | 15-May-25 | 126 | 5 @ 8 H, W | Cure/Strip Cap (B-673 EB Bent 9) |
| BENT 10 ~~~~ | | | | | | | |
| ■ B-673.B10.100 | Set Template & Drive Production Piles (B-673 EB Bent 10) | 5 | 21-Mar-25 | 28-Mar-25 | 64 | 5@8H,W | 🗓 Set Template & Drive Production Piles (B-673 EB Bent : |
| ■ B-673.B10.105 | F/R/P Cap (B-673 EB Bent 10) | 6 | 31-Mar-25 | 07-Apr-25 | 130 | 5@8H,W | □ F/R/P Cap (B-673 EB Bent 10) |
| ■ B-673.B10.110 | Cure/Strip Cap (B-673 EB Bent 10) | 4 | 08-Apr-25 | 11-Apr-25 | 146 | 5@8H,W | I Cure/strip Cap (B-673 EB Bent 10) |
| BENT 11 ~~~~ | a specifically a second | | | , , , | | | |
| B-673.B11.100 | Set Template & Drive Test Pile (B-673 EB Bent 11) | 2 | 21-Mar-25 | 25-Mar-25 | 3 | 5@8H,W | Set Template & Drive Test Pile (B-673 EB Bent;11) |
| B-673.B11.105 | Wait Period for Test Pile (B-673 EB Bent 11) | 5 | 26-Mar-25 | 30-Mar-25 | 4 | CALENDAR DAY (8) | |
| B-673.B11.110 | Test Pile Re-Strike & Pile Length Det. (B-673 EB Bent 11) | 3 | 31-Mar-25 | 02-Apr-25 | 4 | 5 @ 8 H, W | Test Pile Re-Strike & Pile Length Det (B-673 EB Bent 11 |
| | | 4 | | | 4 | | Set Template & Drive Production Piles (B-673 EB Ber |
| B-673.B11.115 | Set Template & Drive Production Piles (B-673 EB Bent 11) | | 17-Apr-25 | 23-Apr-25 | | 5@8H,W | |
| B-673.B11.120 | F/R/P Cap (B-673 EB Bent 11) | 5 | 25-Apr-25 | 01-May-25 | 4 | 5@8H,W | ■ F/R/P Cap(B÷673 EB Bent;11) |
| B-673.B11.125 | Cure/Strip Cap (B-673 EB Bent 11) | 4 | 02-May-25 | 07-May-25 | 4 | 5@8H,W | ■ Cute/Strip Cap (B-673 EB Beht 11) |
| B-673.B11.130 | Remove Trestle (B-673 Bent 11 to Bent 12) | 3 | 08-May-25 | 12-May-25 | 4 | 5 @ 8 H, W | Remove Trestle (B-673 Bent 11 to Bent 12) |
| BENT 12 | , | | | | | | |
| ■ B-673.B12.100 | Set Template & Drive Production Piles (B-673 EB Bent 12) | 5 | 13-May-25 | 19-May-25 | 4 | 5@8H,W | Set Template & Drive Production Piles (B-67/3 EB I |
| ■ B-673.B12.105 | F/R/P Cap (B-673 EB Bent 12) | 5 | 20-May-25 | 27-May-25 | 4 | 5 @ 8 H, W | ■; F/R/P Cap (B-673 EB Bent 12); |
| ■ B-673.B12.110 | Cure/Strip Cap (B-673 EB Bent 12) | 4 | 28-May-25 | 02-Jun-25 | 4 | 5@8H,W | |
| ■ B-673.B12.115 | Remove Trestle (B-673 Bent 12 to Bent 13) | 3 | 03-Jun-25 | 05-Jun-25 | 4 | 5 @ 8 H, W | I Remove Trestle (B-673 Bent 12 to Bent 13) |
| ====================================== | | | | | | | |
| ■ B-673.B13.100 | Set Template & Drive Test Pile (B-673 EB Bent 13) | 2 | 06-Jun-25 | 09-Jun-25 | 4 | 5@8H,W | I Set Template & Drive Test Pile (B-673 £B βent: |
| B-673.B13.105 | Wait Period for Test Pile (B-673 EB Bent 13) | 5 | 10-Jun-25 | 14-Jun-25 | 4 | CALENDAR DAY (8) | ■ Wait Period for Test Pije (B-673 EB Bent 13) |
| ■ B-673.B13.110 | Test Pile Re-Strike & Pile Length Det. (B-673 EB Bent 13) | 3 | 16-Jun-25 | 18-Jun-25 | 3 | 5@8H,W | I : Test Pile; Re+Strike & Pile Length Det. (B-673 EB |
| ■ B-673.B13.115 | Set Template & Drive Production Piles (B-673 EB Bent 13) | 4 | 03-Jul-25 | 09-Jul-25 | 3 | 5@8H,W | Set Template & Drive Production Piles (B-67 |
| ■ B-673.B13.120 | F/R/P Cap (B-673 EB Bent 13) | 5 | 10-Jul-25 | 16-Jul-25 | 3 | 5@8H,W | ■ F/R/P Cap (B-G73 EB Bent 13) |
| B-673.B13.125 | Cure/Strip Cap (B-673 EB Bent 13) | 4 | 17-Jul-25 | 22-Jul-25 | 3 | 5@8H,W | Cure/Strip Cap (B-673 EB Bent 13) |
| B-673.B13.130 | Remove Trestle (B-673 Bent 13 to Bent 14) | 3 | 23-Jul-25 | 25-Jul-25 | 3 | 5@8H,W | Remove Trestle (B-673 Bent 13 to Bent 14 |
| B-073.B13.130 | | , , | | | | J @ 011, ** | The state of the s |
| B-673.B14.100 | Sat Tamplata & Drive Production Piles (R-672 EP P ant 14) | | 28-Int 2E | 01-0-0 | 2 | 5 @ O U \A/ | Set Template & Drive Production Piles (B- |
| | Set Template & Drive Production Piles (B-673 EB Bent 14) | 5 | 28-Jul-25 | 01-Aug-25 | 3 | 5@8H,W | - - |
| B-673.B14.105 | F/R/P Cap (B-673 EB Bent 14) | 5 | 04-Aug-25 | 08-Aug-25 | 3 | 5@8H,W | II F/R/P Cap (B-673 EB Bent 14) |
| B-673.B14.110 | Cure/Strip Cap (B-673 EB Bent 14) | 4 | 11-Aug-25 | 14-Aug-25 | 3 | 5@8H,W | Cure/Strip Cap (B-673 EB Bent 14) |
| B-673.B14.115 | Remove Trestle (B-673 Bent 14 to Shore) | 3 | 15-Aug-25 | 19-Aug-25 | 3 | 5 @ 8 H, W | Remove Trestle (B-673 Bent 14 to Shore |
| ABUTMENT B1 ~ | | | | | | | |
| B-673.ABB1.100 | Excavate/Install SOE for Abutment (B-673 EB Abutment B1) | 2 | 20-Aug-25 | 21-Aug-25 | 3 | 5 @ 8 H, W | Excavaté/Install SOE for Abûtment (B-6 |
| B-673.ABB1.155 | Construct Trestle for Beam Erection (B-673 Abutment B1 to Bent 11 Offset RT) | 32 | 20-Aug-25 | 03-Oct-25 | 18 | 5@8H,W | Construct Trestle for Beam Erection |
| B-673.ABB1.105 | Set Template & Drive Test Pile (B-673 EB Abut B1) | 2 | 22-Aug-25 | 25-Aug-25 | 3 | 5@8H,W | I Set Template & Drive Test Pile (B-673 E |
| ■ B-673.ABB1.110 | Wait Period for Test Pile (B-673 EB Abut B1) | 5 | 26-Aug-25 | 30-Aug-25 | 3 | CALENDAR DAY (8) | II. Wait Period for Test Pile (B-673 EB Abu |
| : 24-Jun-22 10-Dec-26 : 24-Jun-22 11-May-22 | Remaining Work Remaining Level of Effort Ac | elay/Impact dverse Weather dditional/Extra Wor | rk | | | (22HH002 | (RPT) BARCHART (11x17) TASK filter: All Activities Page 18 of 41 |



| ID | Activity Name | OD | ES | EF | TF | CALENDAR | 2022 2023 | | 2025 2026 J F M A M J J A S O N D J F M A M J J A S S |
|--|---|--|------------------------|-------------|-----|------------------|---|---|---|
| ■ B-673.ABB1.115 | Test Pile Re-Strike & Pile Length Det. (B-673 EB Abut B1) | 3 | 02-Sep-25 | 04-Sep-25 | 1 | 5 @ 8 H, W | 1 1 1 1 1 1 1 1 1 1 | INI A INI J J A S O N D | Test Pile Re-Strike & Pile Length Det. (B- |
| B-673.ABB1.120 | Set Template & Drive Production Piles (B-673 EB Abut B1) | 4 | 19-Sep-25 | 24-Sep-25 | 1 | 5@8H,W | | | Set Template & Drive Production Piles |
| B-673.ABB1.125 | F/R/P Cap (B-673 EB Abutment B1) | 5 | 25-Sep-25 | 01-Oct-25 | 1 | 5@8H,W | | | |
| B-673.ABB1.130 | Cure/Strip Cap (B-673 EB Abutment B1) | 4 | 02-Oct-25 | 07-Oct-25 | 1 | 5@8H,W | | | Cure/Strip Cap (B-673 EB Abutmen |
| B-673.ABB1.135 | F/R/P Stem/Wall (B-673 EB Abutment B1) | 6 | 02 Oct 25 08-Oct-25 | 15-Oct-25 | 1 | 5@8H,W | | | F/R/P Stem/Wall (B-673 EB Abutm |
| B-673.ABB1.140 | Cure/Strip Stem/Wall (B-673 EB Abutment B1) | 5 | 16-Oct-25 | 22-Oct-25 | 1 | 5@8H,W | | | ☐ Cure/Strip Stem/Wall (B-673 EB A |
| B-673.ABB1.145 | Place Structure Backfill (B-673 EB Abutment B1) | 4 | 23-Oct-25 | 28-Oct-25 | 1 | 5@8H,W | | | Place Structure Backfill (B-673 EB |
| B-673.ABB1.150 | F/R/P/ Sleeper/Approach Slab (B-673 EB Abutment B1) | 5 | 29-Oct-25 | 04-Nov-25 | 147 | 5@8H,W | | | F/R/P/ Sleeper/Approach Slab (|
| B-673.ABB1.160 | Remove Trestle for Beam Erection (B-673 Abutment B1 to Bent 11 Offset RT) | 21 | 08-Dec-25 | 13-Jan-26 | 1 | 5@8H,W | | | Remove Trestle for Beam |
| ABUTMENT A2 | · | 21 | 00-060-25 | 13-381-20 | | J @ 811, W | | | Terrove result for Dean |
| B-673.ABA2.100 | Excavate/Install SOE for Abutment (B-673 EB Abutment A2) | 4 | 10-Dec-24 | 13-Dec-24 | 195 | 5 @ 8 H, W | <u> </u> | ;;;;;;;;; - _[| xcavate/Install SOE for Abutment (B-673 EB Abutment A2) |
| B-673.ABA2.105 | Set Template & Drive Test Pile (B-673 EB Abut A2) | 2 | 16-Dec-24 | 17-Dec-24 | 195 | 5@8H,W | | 1 | Set Template & Drive Test Pile (B-673 EB Abut A2) |
| B-673.ABA2.110 | Wait Period for Test Pile (B-673 EB Abut A2) | 5 | 18-Dec-24 | 22-Dec-24 | 303 | CALENDAR DAY (8) | | | Wait Period for Test Pile (B-673 EB Abut A2) |
| | | | | | | ` ` ` | | | Test Pile Re-Strike & Pile Length Det. (B-673 EB Abut A2) |
| B-673.ABA2.115 | Test Pile Re-Strike & Pile Length Det. (B-673 EB Abut A2) | 3 | 10-Jan-25 | 14-Jan-25 | 195 | 5@8H,W | | | Set Template & Drive Production Piles (B-673 EB Abut A2) |
| B-673.ABA2.120 | Set Template & Drive Production Piles (B-673 EB Abut A2) | 4 | 30-Jan-25 | 04-Feb-25 | 195 | 5@8H,W | <u> - </u> | | - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 |
| B-673.ABA2.125 | F/R/P Cap (B-673 EB Abutment A2) | 6 | 05-Feb-25 | 12-Feb-25 | 226 | 5@8H,W | | | [] F/R/P Cap (B-673 EB Abutment A2) |
| B-673.ABA2.130 | Cure/Strip Cap (B-673 EB Abutment A2) | 4 | 13-Feb-25 | 18-Feb-25 | 226 | 5@8H,W | | | Cure/Strip Cap (B-673 EB Abutment A2) |
| B-673.ABA2.135 | F/R/P Stem/Wall (B-673 EB Abutment A2) | 10 | 19-Feb-25 | 05-Mar-25 | 226 | 5 @ 8 H, W | | | ☐ F/R/P Stem/Wall (B-673 EB Abutment A2) |
| ■ B-673.ABA2.140 | Cure/Strip Stem/Wall (B-673 EB Abutment A2) | 5 | 06-Mar-25 | 12-Mar-25 | 226 | 5@8H,W | | | Cure/Strip Stem/Wall (B-673 EB Abutment A2) |
| B-673.ABA2.145 | Place Structure Backfill (B-673 EB Abutment A2) | 4 | 13-Mar-25 | 18-Mar-25 | 226 | 5@8H,W | | ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; | Place Structure Backfill (B-673 EB Abutment A2) |
| B-673.ABA2.150 | F/R/P/ Sleeper/Approach Slab (B-673 EB Abutment A2) | 5 | 19-Mar-25 | 26-Mar-25 | 301 | 5 @ 8 H, W | | | F/R/P/ Sleeper/Approach Slab (B-673 EB Abutment A2) |
| BENT 15 ~~~~ | | | | | | | | | |
| B-673.B15.100 | Set Template & Drive Test Pile (B-673 EB Bent 15) | 2 | 19-Dec-24 | 20-Dec-24 | 195 | 5@8H,W | | | Set Template & Drive Test Pile (B-673 EB Bent 15) |
| ■ B-673.B15.105 | Wait Period for Test Pile (B-673 EB Bent 15) | 5 | 21-Dec-24 | 25-Dec-24 | 323 | CALENDAR DAY (8) | | | Wait Period for Test Pile (B-673 EB Bent 15) |
| B-673.B15.110 | Test Pile Re-Strike & Pile Length Det. (B-673 EB Bent 15) | 3 | 05-Feb-25 | 07-Feb-25 | 195 | 5@8H,W | | | Test Pile Re-Strike & Pile Length Det. (B-673 EB Bent 15) |
| ■ B-673.B15.115 | Set Template & Drive Production Piles (B-673 EB Bent 15) | 4 | 25-Feb-25 | 28-Feb-25 | 228 | 5@8H,W | | | \$ Set Template & Drive Production Piles (B-673 EB Bent 15) |
| ■ B-673.B15.120 | F/R/P Cap (B-673 EB Bent 15) | 6 | 03-Mar-25 | 10-Mar-25 | 228 | 5@8H,W | | | 1 F/R/P Cap (B-673 EB Bent 15) |
| B-673.B15.125 | Cure/Strip Cap (B-673 EB Bent 15) | 4 | 11-Mar-25 | 14-Mar-25 | 228 | 5@8H,W | | | Cure/Strip Cap (B-673 EB Bent 15) |
| BENT 16 ~~~~ | | | | | | | | | |
| B-673.B16.100 | Set Template & Drive Production Piles (B-673 EB Bent 16) | 5 | 25-Feb-25 | 03-Mar-25 | 195 | 5@8H,W | | | Set Template & Drive Production Piles (B-673 EB Bent 16) |
| B-673.B16.105 | F/R/P Cap (B-673 EB Bent 16) | 6 | 11-Mar-25 | 18-Mar-25 | 229 | 5@8H,W | - - - | | ☐ F/R/P Cap (B-673 EB Bent 16) |
| B-673.B16.110 | Cure/Strip Cap (B-673 EB Bent 16) | 4 | 19-Mar-25 | 25-Mar-25 | 229 | 5@8H,W | | | Cure/Strip Cap (B-673 EB Bent 16) |
| B 073.B10.110 | Care/strip cap(b 0/3 Lb bent 10) | | 13 Widi 23 | 25 IVIUI 25 | 223 | 3 @ 011, W | | | B 43.5, 51.5 as 30.1.25, |
| B-673.B17.100 | Set Template & Drive Test Pile (B-673 EB Bent 17) | 2 | 30-Dec-24 | 31-Dec-24 | 195 | 5 @ 8 H, W | | | Set Template & Drive Test Pile (B-673 EB Bent 17) |
| B-673.B17.105 | Wait Period for Test Pile (B-673 EB Bent 17) | 5 | 01-Jan-25 | 05-Jan-25 | 340 | CALENDAR DAY (8) | | : : : : : : : : . | Wait Period for Test Pile (B-673 EB Bent 17) |
| B-673.B17.110 | Test Pile Re-Strike & Pile Length Det. (B-673 EB Bent 17) | 3 | 04-Mar-25 | 06-Mar-25 | 195 | 5@8H,W | | | Test Pile Re-Strike & Pile Length Det; (B+673 EB Bent 17) |
| B-673.B17.115 | - i | 4 | 21-Mar-25 | 27-Mar-25 | 224 | 5@8H,W | | | Set Template & Drive Production Piles (B-673 EB Bent 1 |
| B-673.B17.120 | Set Template & Drive Production Piles (B-673 EB Bent 17) | 6 | 28-Mar-25 | 04-Apr-25 | 224 | | | | ☐ F/R/P Cap (B+673 EB Bent 17) |
| | F/R/P Cap (B-673 EB Bent 17) | | | · · | | 5@8H,W | | | |
| B-673.B17.125 | Cure/Strip Cap (B-673 EB Bent 17) | 4 | 07-Apr-25 | 10-Apr-25 | 224 | 5 @ 8 H, W | | | Cure/Strip Cap (B-673 EB Bent 17) |
| BENT 18 ~~~~ | C + T - + 0 D - D - + + + + + + + + + | - | 24.44 25 | 20.14 25 | 405 | 5.000.00 | - | | S. Cot Townshit & R. Dir Doubleting Dilay (B. C72 ED Bout |
| B-673.B18.100 | Set Template & Drive Production Piles (B-673 EB Bent 18) | 5 | 21-Mar-25 | 28-Mar-25 | 195 | 5 @ 8 H, W | | | Set Template & Drive Production Piles (B-673 EB Bent 1 |
| B-673.B18.105 | F/R/P Cap (B-673 EB Bent 18) | 6 | 07-Apr-25 | 14-Apr-25 | 225 | 5 @ 8 H, W | | | F/R/P Cap (B-673 EB Bent 18) |
| B-673.B18.110 | Cure/Strip Cap (B-673 EB Bent 18) | 4 | 15-Apr-25 | 21-Apr-25 | 225 | 5@8H,W | | | Cure/Strip Cap (B-673 EB Bent 18) |
| BENT 19 | | | | | | | | | |
| ■ B-673.B19.100 | Set Template & Drive Test Pile (B-673 EB Bent 19) | 2 | 02-Jan-25 | 03-Jan-25 | 195 | 5@8H,W | | , , ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; | \$et Template & Drive Test Pile (B-673 EB Bent 19) |
| B-673.B19.105 | Wait Period for Test Pile (B-673 EB Bent 19) | 5 | 04-Jan-25 | 08-Jan-25 | 371 | CALENDAR DAY (8) | | ; ; ; ; ; ; ; ; [| Wait Period for Test Pile (B-673 EB Bent 19) |
| B-673.B19.110 | Test Pile Re-Strike & Pile Length Det. (B-673 EB Bent 19) | 3 | 31-Mar-25 | 02-Apr-25 | 195 | 5 @ 8 H, W | | | Test Pile Re-Strike & Pile Length Det. (B-673 EB Bent 19 |
| ■ B-673.B19.115 | Set Template & Drive Production Piles (B-673 EB Bent 19) | 5 | 17-Apr-25 | 25-Apr-25 | 219 | 5@8H,W | | | Set Template & Drive Production Piles (B-673 EB Be |
| ■ B-673.B19.120 | F/R/P Cap (B-673 EB Bent 19) | 6 | 28-Apr-25 | 05-May-25 | 219 | 5@8H,W | | | [] F/R/P Cap (B-673 EB Bent 19) |
| ■ B-673.B19.125 | Cure/Strip Cap (B-673 EB Bent 19) | 4 | 06-May-25 | 09-May-25 | 219 | 5 @ 8 H, W | | | Cure/Strip Cap (B-673 EB Bent 19) |
| BENT 20 | | | | | | | | ,,,,,,,,,, - | |
| ■ B-673.B20.100 | Set Template & Drive Test Pile (B-673 EB Bent 20) | 2 | 06-Jan-25 | 07-Jan-25 | 195 | 5@8H,W | | | Set Template & Drive Test Pile (B-673 EB Bent 20) |
| ■ B-673.B20.105 | Wait Period for Test Pile (B-673 EB Bent 20) | 5 | 08-Jan-25 | 12-Jan-25 | 372 | CALENDAR DAY (8) | | | Wait Period for Test Pile (B-673 EB Bent 20) |
| ■ B-673.B20.110 | Test Pile Re-Strike & Pile Length Det. (B-673 EB Bent 20) | 3 | 03-Apr-25 | 07-Apr-25 | 195 | 5 @ 8 H, W | | | Test Pile Re-Strike & Pile Length Det. (B-673 EB Bent 20 |
| B-673.B20.115 | Set Template & Drive Production Piles (B-673 EB Bent 20) | 4 | 23-Apr-25 | 29-Apr-25 | 195 | 5@8H,W | | | Set Template & Drive Production Piles (B-673 EB Be |
| B-673.B20.120 | F/R/P Cap (B-673 EB Bent 20) | 6 | 06-May-25 | 13-May-25 | 220 | 5 @ 8 H, W | | | F/R/P Cap (B-673 EB Bent 20) |
| | .,., | 0 | 1 00 1710 y 20 | 20 IVIUY 20 | | J @ 011, W | | | · · · · · · · · · · · · · · · · · · · |
| 24-Jun-22 L0-Dec-26 24-Jun-22 L1-May-22 | Remaining Work Remaining Level of Effort | Delay/Impact Adverse Weather Additional/Extra Wo | rk | | | (22HH002) | VDOT I-64 SEGMENT 4C BID SCHI (RPT) BARCHART (11x17) TASK filter: All Activities Page 19 of 41 | EDULE.V7 | |



| D | Activity Name | OD | ES | EF | TF | CALENDAR | 2022 2023 2023 J J A S O N D J F M A M J J A S O N D | 2024 D J F M A M J J A S O N D | 2026 D J F M A M J J A S O N D J F M A M J J |
|------------------------|---|---------------------|---------------|-------------|-----|------------------|--|-------------------------------------|--|
| ■ B-673.B20.125 | Cure/Strip Cap (B-673 EB Bent 20) | 4 | 14-May-25 | 19-May-25 | 220 | 5 @ 8 H, W | | 7 3 1 1 1 1 1 1 1 3 3 3 3 3 3 3 3 | Cure/Strip Cap (B+673 EB Bent;20) |
| ABUTMENT B2 ~- | 1 | | 2 1 11ld y 25 | 25 may 25 | 220 | 36 3.4.1 | | | |
| B-673.ABB2.100 | Excavate/Install SOE for Abutment (B-673 EB Abutment B2) | 4 | 16-Dec-24 | 20-Dec-24 | 201 | 5@8H,W | | | Excavate/Install SOE for Abutment (B-673 EB Abutment B2) |
| B-673.ABB2.105 | Set Template & Drive Test Pile (B-673 EB Abut B2) | 2 | 08-Jan-25 | 09-Jan-25 | 195 | 5@8H,W | | | Set Template & Drive Test Pile (B-673 EB Abut B2) |
| B-673.ABB2.110 | Wait Period for Test Pile (B-673 EB Abut B2) | 5 | 10-Jan-25 | 14-Jan-25 | 393 | CALENDAR DAY (8) | # - | | Wait Period for Test Pile (B-673 EB Abut B2) |
| B-673.ABB2.115 | Test Pile Re-Strike & Pile Length Det. (B-673 EB Abut B2) | 3 | 30-Apr-25 | 02-May-25 | 195 | 5 @ 8 H, W | | | Test Pile Re-Strike & Pile Length Det. (B-673 EB |
| B-673.ABB2.113 | Drive Production Piles (B-673 EB Abut B2) | 4 | 19-May-25 | 22-May-25 | 195 | 5@8H,W | | | Drive Production Piles (B-673 EB Abut B2) |
| | | 6 | | 02-Jun-25 | 195 | | | | ☐ F/R/P Cap (B-673 EB Abutment B2) |
| B-673.ABB2.125 | F/R/P Cap (B-673 EB Abutment B2) | 4 | 23-May-25 | | | 5@8H,W | | | |
| B-673.ABB2.130 | Cure/Strip Cap (B-673 EB Abutment B2) | | 03-Jun-25 | 06-Jun-25 | 195 | 5@8H,W | | | Cure/Strip Cap (B-673 EB Abutment B2) |
| B-673.ABB2.135 | F/R/P Stem/Wall (B-673 EB Abutment B2) | 10 | 09-Jun-25 | 20-Jun-25 | 195 | 5@8H,W | | | F/R/P Stem/Wall B-673 EB Abutment B2 |
| B-673.ABB2.140 | Cure/Strip Stem/Wall (B-673 EB Abutment B2) | 5 | 23-Jun-25 | 27-Jun-25 | 195 | 5@8H,W | | | Cure/Strip/Stem/Wall (B-673 EB Abutme |
| B-673.ABB2.145 | Place Structure Backfill (B-673 EB Abutment B2) | 4 | 30-Jun-25 | 03-Jul-25 | 195 | 5 @ 8 H, W | | | Place Structure Backfill (B-673 EB Abuth |
| B-673.ABB2.150 | F/R/P/ Sleeper/Approach Slab (B-673 EB Abutment B2) | 5 | 07-Jul-25 | 11-Jul-25 | 214 | 5 @ 8 H, W | | | F/R/P/ Sleeper/Approach Slab (B-673 E |
| B-673.ABB2.155 | Approach Slab Cure (B-673 EB Abutment B 2) | 7 | 11-Jul-25 | 18-Jul-25 | 315 | CURE | | 1 | Approach Slab Cure (B-673 EB Abutme |
| +++++ NEW SUPERSTRUC | CTURE +++++ | | | | | | | | |
| SPAN A (OVER RIV | VER ST.) ~~~~ | | | | | | | | |
| ■ B-673.SPA.100 | Set Bearing Pads/Erect Precast Concrete Beams (B-673 EB Span A) | 2 | 10-Dec-25 | 11-Dec-25 | 86 | 5@8H,W | | | Set Bearing Pads/Erect |
| B-673.SPA.105 | Set Overhangs (B-673 EB Span A) | 7 | 30-Mar-26 | 08-Apr-26 | 16 | 5@8H,W | | | ☐ Set Overha |
| ■ B-673.SPA.110 | Set Deck Pans (B-673 EB Span A) | 7 | 09-Apr-26 | 17-Apr-26 | 16 | 5@8H,W | | | □ Set Deck F |
| ■ B-673.SPA.115 | Place Deck Rebar (B-673 EB Span A) | 6 | 20-Apr-26 | 27-Apr-26 | 16 | 5@8H,W | | 7 | D Place De |
| B-673.SPA.120 | Setup Bidwell/Place Bridge Deck Concrete (B-673 EB Span A) | 2 | 28-Apr-26 | 29-Apr-26 | 16 | BRIDGE DECK | | | Setup Bi |
| B-673.SPA.125 | Cure Bridge Deck (B-673 EB Span A) | 7 | 29-Apr-26 | 06-May-26 | 23 | CURE | | | Curre Biri |
| B-673.SPA.130 | Remove Overhangs (B-673 EB Span A) | 5 | 01-Jun-26 | 05-Jun-26 | 9 | 5 @ 8 H, W | | | □ Rem |
| SPAN B | Terriore overhangs (b 075 Eb Spart A) | 3 | 01 3411 20 | 03 3411 20 | | 3 @ 011, W | | | |
| B-673.SPB.100 | Cot Dooring Dade / Erect Drocet Congrete Doors (D. 672 ED Coop D) | 2 | 09 Dog 35 | 09-Dec-25 | 01 | E @ Q H W | { - } | | Set Bearing Pads/Erect |
| | Set Bearing Pads/Erect Precast Concrete Beams (B-673 EB Span B) | 2 | 08-Dec-25 | | 81 | 5@8H,W | | | |
| B-673.SPB.105 | Set Overhangs (B-673 EB Span B) | 7 | 19-Mar-26 | 27-Mar-26 | 16 | 5@8H,W | | | ☐; Set Overhar |
| B-673.SPB.110 | Set Deck Pans (B-673 EB Span B) | 7 | 30-Mar-26 | 08-Apr-26 | 16 | 5@8H,W | | | Set Deck P |
| ■ B-673.SPB.115 | Place Deck Rebar (B-673 EB Span B) | 6 | 09-Apr-26 | 16-Apr-26 | 17 | 5@8H,W | | | D Place Dec |
| ■ B-673.SPB.120 | Setup Bidwell/Place Bridge Deck Concrete (B-673 EB Span B) | 2 | 17-Apr-26 | 20-Apr-26 | 21 | BRIDGE DECK | | 1 | ■ Setup Bio |
| B-673.SPB.125 | Cure Bridge Deck (B-673 EB Span B) | 7 | 20-Apr-26 | 27-Apr-26 | 32 | CURE | | | [] Çure Brit |
| B-673.SPB.130 | Remove Overhangs (B-673 EB Span B) | 5 | 22-May-26 | 29-May-26 | 9 | 5 @ 8 H, W | | | Remo |
| SPAN C | | | | | | | | | |
| B-673.SPC.100 | Set Bearing Pads/Erect Precast Concrete Beams (B-673 EB Span C) | 2 | 04-Dec-25 | 05-Dec-25 | 1 | 5@8H,W | | | Set Bearing Pads/Erect |
| B-673.SPC.105 | Set Overhangs (B-673 EB Span C) | 7 | 10-Mar-26 | 18-Mar-26 | 16 | 5@8H,W | | | ☐ Set Overhan |
| B-673.SPC.110 | Set Deck Pans (B-673 EB Span C) | 7 | 19-Mar-26 | 27-Mar-26 | 16 | 5@8H,W | | | Set Deck Pa |
| B-673.SPC.115 | Place Deck Rebar (B-673 EB Span C) | 6 | 30-Mar-26 | 07-Apr-26 | 18 | 5@8H,W | | | Place Deck |
| ■ B-673.SPC.120 | Setup Bidwell/Place Bridge Deck Concrete (B-673 EB Span C) | 2 | 09-Apr-26 | 10-Apr-26 | 25 | BRIDGE DECK | | | I Setup Bid\ |
| ■ B-673.SPC.125 | Cure Bridge Deck (B-673 EB Span C) | 7 | 10-Apr-26 | 17-Apr-26 | 42 | CURE | | | Cure Bridg |
| ■ B-673.SPC.130 | Remove Overhangs (B-673 EB Span C) | 5 | 15-May-26 | 21-May-26 | 9 | 5@8H,W | | | ■ Remo |
| SPAN D (OVER PE | | | , | , | | , | # | | |
| B-673.SPD.100 | Set Bearing Pads/Erect Precast Concrete Beams (B-673 EB Span D) | 2 | 02-Dec-25 | 03-Dec-25 | 1 | 5@8H,W | | | Set Bearing Pads/Erect |
| B-673.SPD.100 | Set Overhangs (B-673 EB Span D) | 7 | 27-Feb-26 | 09-Mar-26 | 16 | 5@8H,W | | | Set Overhang |
| | | 7 | | 18-Mar-26 | | | | | Set Overhang |
| B-673.SPD.110 | Set Deck Pans (B-673 EB Span D) | | 10-Mar-26 | | 16 | 5@8H,W | | | |
| B-673.SPD.115 | Place Deck Rebar (B-673 EB Span D) | 6 | 19-Mar-26 | 26-Mar-26 | 19 | 5 @ 8 H, W | #- | | □ Place Deck F |
| B-673.SPD.120 | Setup Bidwell/Place Bridge Deck Concrete (B-673 EB Span D) | 2 | 07-Apr-26 | 08-Apr-26 | 25 | BRIDGE DECK | | | I Setup Bidv |
| B-673.SPD.125 | Cure Bridge Deck (B-673 EB Span D) | 7 | 08-Apr-26 | 15-Apr-26 | 44 | CURE | | | □ Cure Bridg |
| B-673.SPD.130 | Remove Overhangs (B-673 EB Span D) | 5 | 08-May-26 | 14-May-26 | 9 | 5@8H,W | | | |
| SPAN E | | | | | | | | | |
| B-673.SPE.100 | Set Bearing Pads/Erect Precast Concrete Beams (B-673 EB Span E) | 2 | 26-Nov-25 | 01-Dec-25 | 1 | 5 @ 8 H, W | | 1. j. | 1 \$et Bearing Pads/Erect |
| B-673.SPE.105 | Set Overhangs (B-673 EB Span E) | 7 | 18-Feb-26 | 26-Feb-26 | 16 | 5@8H,W | | | ☐ Set Overhangs |
| B-673.SPE.110 | Set Deck Pans (B-673 EB Span E) | 7 | 27-Feb-26 | 09-Mar-26 | 16 | 5@8H,W | | | ☐ Set Deck Pans |
| B-673.SPE.115 | Place Deck Rebar (B-673 EB Span E) | 6 | 10-Mar-26 | 17-Mar-26 | 20 | 5@8H,W | | | Place Deck Ru |
| ■ B-673.SPE.120 | Setup Bidwell/Place Bridge Deck Concrete (B-673 EB Span E) | 2 | 02-Apr-26 | 06-Apr-26 | 25 | BRIDGE DECK | | | ☐ Setup Bidv |
| ■ B-673.SPE.125 | Cure Bridge Deck (B-673 EB Span E) | 7 | 06-Apr-26 | 13-Apr-26 | 46 | CURE | | | Cure Bridge |
| ■ B-673.SPE.130 | Remove Overhangs (B-673 EB Span E) | 5 | 01-May-26 | 07-May-26 | 9 | 5@8H,W | # - | 1 | Remove |
| SPAN F | | , , | 52 IVIUY 20 | 5. IVIUY 20 | | J @ 011, ** | | | |
| 24-Jun-22 | Critical Remaining Work Changed Work | ■ Delay/Impact | | | | (22HH002 |) VDOT I-64 SEGMENT 4C BID S | CHEDIJI E V7 | |
| LO-Dec-26 | _ | Adverse Weather | | | | (220002 | • | | |
| 24-Jun-22 l1-May-22 | <u> </u> | <u></u> | . | | | | (RPT) BARCHART (11x17) TASK filter: All Activitie | S | |
| | Actual Work Actual Level of Effort | Additional/Extra Wo | rk I | | | | Page 20 of 41 | | I |



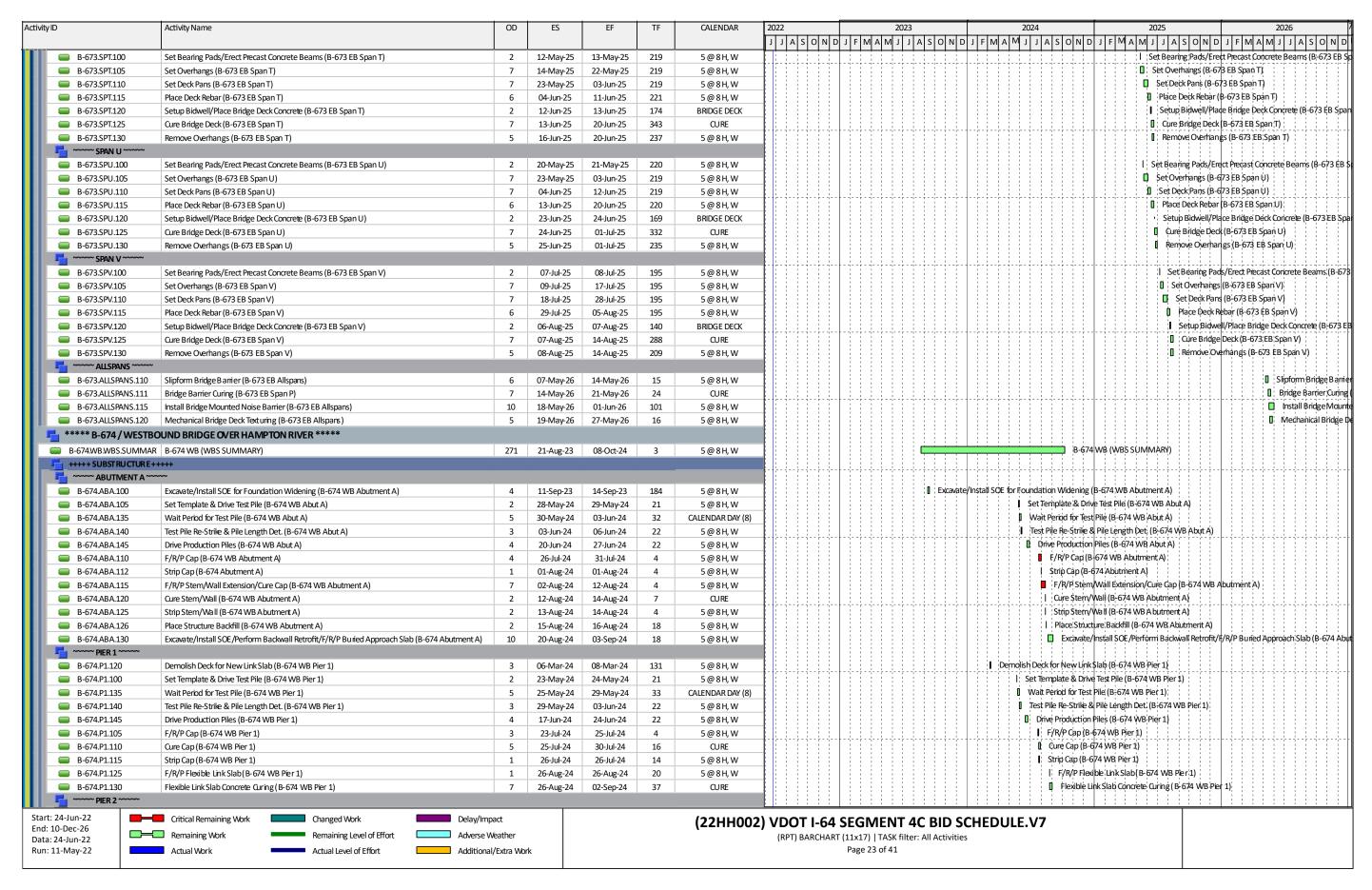
| | Activity Name | OD | ES | EF | TF | CALENDAR | 2022 | | 2023 | | | 2024 | | | 2025 | | 2026 |
|--------------------|---|---------------------|-----------|-----------|----|-------------|---------------|-------------|----------|----------------|----------|--------|---------|---------|------------|--------|--|
| | | | | | | | JJASON | J F M A I | / J J A | SOND. | FMA | MJJAS | ONDI | F M A M | J J A S | ON | J F M A M J J A S |
| ■ B-673.SPF.100 | Set Bearing Pads/Erect Precast Concrete Beams (B-673 EB Span F) | 2 | 24-Nov-25 | 25-Nov-25 | 1 | 5@8H,W | | | | | | | | | | | Set Bearing Pads/Erect Precas |
| B-673.SPF.105 | Set Overhangs (B-673 EB Span F) | 7 | 09-Feb-26 | 17-Feb-26 | 16 | 5@8H,W | | | | | | | | | | | Set Overhangs (B-6 |
| B-673.SPF.110 | Set Deck Pans (B-673 EB Span F) | 7 | 18-Feb-26 | 26-Feb-26 | 16 | 5@8H,W | | | | | | | | | . A. I. I. | | Set Deck Pans (B-6 |
| ■ B-673.SPF.115 | Place Deck Rebar (B-673 EB Span F) | 6 | 27-Feb-26 | 06-Mar-26 | 21 | 5@8H,W | | | | | | | | | | | Place Deck Rebar (|
| B-673.SPF.120 | Setup Bidwell/Place Bridge Deck Concrete (B-673 EB Span F) | 2 | 31-Mar-26 | 01-Apr-26 | 24 | BRIDGE DECK | | | | | | | | | | | Setup Bidwell/ |
| B-673.SPF.125 | Cure Bridge Deck (B-673 EB Span F) | 7 | 01-Apr-26 | 08-Apr-26 | 51 | CURE | | | | | | | | | | | Cure Bridge De |
| B-673.SPF.130 | Remove Overhangs (B-673 EB Span F) | 5 | 24-Apr-26 | 30-Apr-26 | 9 | 5@8H,W | | | 1 1 1 | | | | | | 1 1 1 | 1 1 1 | Remove Ove |
| 🖶 ~~~~ SPAN G ~~~~ | , | | | | | | | | | | | | | | | 111111 | |
| B-673.SPG.100 | Set Bearing Pads/Erect Precast Concrete Beams (B-673 EB Span G) | 2 | 20-Nov-25 | 21-Nov-25 | 1 | 5@8H,W | _ | | | | | | | | | I I | Set Bearing Pads/Erect Preca |
| B-673.SPG.105 | Set Overhangs (B-673 EB Span G) | 7 | 29-Jan-26 | 06-Feb-26 | 16 | 5@8H,W | | | | | | | | | | | Set Overhangs (B-67 |
| B-673.SPG.110 | Set Deck Pans (B-673 EB Span G) | 7 | 09-Feb-26 | 17-Feb-26 | 16 | 5@8H,W | _ | | | | | | | | | | Set Deck Pans (B-6 |
| B-673.SPG.115 | Place Deck Rebar (B-673 EB Span G) | 6 | 18-Feb-26 | 25-Feb-26 | 22 | 5@8H,W | | | 1 1 1 | | | | | | 1 1 1 | | Place Deck Rebar (|
| B-673.SPG.120 | Setup Bidwell/Place Bridge Deck Concrete (B-673 EB Span G) | 2 | 27-Mar-26 | 30-Mar-26 | 21 | BRIDGE DECK | | | 1.1.1. | | | | | | | | Setup Bidwell/ |
| B-673.SPG.125 | Cure Bridge Deck (B-673 EB Span G) | 7 | 30-Mar-26 | 06-Apr-26 | 53 | CURE | | | | | | | | | | | Cure Bridge De |
| B-673.SPG.130 | Remove Overhangs (B-673 EB Span G) | 5 | 17-Apr-26 | 23-Apr-26 | 9 | 5@8H,W | | | | | | | | | | | Remove Ove |
| SPAN H | | | | | | | | | | | | | | | | | |
| B-673.SPH.100 | Set Bearing Pads/Erect Precast Concrete Beams (B-673 EB Span H) | 2 | 18-Nov-25 | 19-Nov-25 | 1 | 5 @ 8 H, W | | | | | | | | | | | Set Bearing Pads/Erect Preca |
| B-673.SPH.105 | Set Overhangs (B-673 EB Span H) | 7 | 20-Jan-26 | 28-Jan-26 | 16 | 5 @ 8 H, W | | | | | | | | | 444 | 1.1.1. | Set Overhangs (B-67) |
| B-673.SPH.110 | Set Deck Pans (B-673 EB Span H) | 7 | 29-Jan-26 | 06-Feb-26 | 16 | 5 @ 8 H, W | _[| | | | | | | | | | Set Deck Pans (B-67 |
| B-673.SPH.115 | Place Deck Rebar (B-673 EB Span H) | 6 | 09-Feb-26 | 16-Feb-26 | 23 | 5 @ 8 H, W | | | | | | | | | | | Place Deck Rebar (|
| B-673.SPH.120 | Setup Bidwell/Place Bridge Deck Concrete (B-673 EB Span H) | 2 | 25-Mar-26 | 26-Mar-26 | 18 | BRIDGE DECK | | | | | | | | | | 1 1 1 | Setup Bidvvell/I |
| B-673.SPH.125 | Cure Bridge Deck (B-673 EB Span H) | 7 | 26-Mar-26 | 02-Apr-26 | 57 | CURE | | | | | | | | | | | Cure Bridge De |
| B-673.SPH.130 | Remove Overhangs (B-673 EB Span H) | 5 | 10-Apr-26 | 16-Apr-26 | 9 | 5 @ 8 H, W | | | | | | | | | | | Remove Ove |
| SPAN I | | | | | | | | | | | | | | | | | |
| ■ B-673.SPI.100 | Set Bearing Pads/Erect Precast Concrete Beams (B-673 EB Span I) | 2 | 14-Nov-25 | 17-Nov-25 | 1 | 5 @ 8 H, W | _ | | | | | | | | | 113 | Set Bearing Pads/Erect Preca |
| ■ B-673.SPI.105 | Set Overhangs (B-673 EB Span I) | 7 | 09-Jan-26 | 19-Jan-26 | 16 | 5 @ 8 H, W | _ | | | | | | | | | 1 1 1 | Set Overhangs (B-673 |
| B-673.SPI.110 | Set Deck Pans (B-673 EB Span I) | 7 | 20-Jan-26 | 28-Jan-26 | 16 | 5 @ 8 H, W | | | : : : | | | | | | | | Set Deck Pans (B-673 |
| B-673.SPI.115 | Place Deck Rebar (B-673 EB Span I) | 6 | 29-Jan-26 | 05-Feb-26 | 24 | 5 @ 8 H, W | | | 4-4-4- | | 4-4-4-4 | | | | | | Place Deck Rebar (B- |
| B-673.SPI.120 | Setup Bidwell/Place Bridge Deck Concrete (B-673 EB Span I) | 2 | 23-Mar-26 | 24-Mar-26 | 15 | BRIDGE DECK | _ | | | | | | | | | | ■ Setup Bidwell/F |
| B-673.SPI.125 | Cure Bridge Deck (B-673 EB Span I) | 7 | 24-Mar-26 | 31-Mar-26 | 59 | CURE | _ | | 1 1 1 | | 1 1 1 1 | | | | 1 1 1 | | Cure Bridge De |
| B-673.SPI.130 | Remove Overhangs (B-673 EB Span I) | 5 | 02-Apr-26 | 09-Apr-26 | 9 | 5 @ 8 H, W | | | | | | | | | | | Remove Over |
| SPAN J | , | | | , | | | 4 | | | | | | | | | | |
| ■ B-673.SPJ.100 | Set Bearing Pads/Erect Precast Concrete Beams (B-673 EB Span J) | 2 | 12-Nov-25 | 13-Nov-25 | 1 | 5 @ 8 H, W | | | <u> </u> | | 4-4-4-4 | | ļ. ļ. ļ | | | 4 | et Bearing Pads/Erect Preca |
| B-673.SPJ.105 | Set Overhangs (B-673 EB Span J) | 7 | 23-Dec-25 | 08-Jan-26 | 16 | 5@8H,W | _ | | | | | | | | | | Set Overhangs (B-673 E |
| ■ B-673.SPJ.110 | Set Deck Pans (B-673 EB Span J) | 7 | 09-Jan-26 | 19-Jan-26 | 16 | 5@8H,W | _ | | 1 1 1 | | | | | | 1 1 1 | | Set Deck Pans (B-673 I |
| B-673.SPJ.115 | Place Deck Rebar (B-673 EB Span J) | 6 | 20-Jan-26 | 27-Jan-26 | 25 | 5@8H,W | _ | | | | | | | | | | Place Deck Rebar (B-6 |
| ■ B-673.SPJ.120 | Setup Bidwell/Place Bridge Deck Concrete (B-673 EB Span J) | 2 | 19-Mar-26 | 20-Mar-26 | 12 | BRIDGE DECK | _ | | | | | | | | | | Setup Bidwell/P |
| ■ B-673.SPJ.125 | Cure Bridge Deck (B-673 EB Span J) | 7 | 20-Mar-26 | 27-Mar-26 | 63 | CURE | | | | | | | ļ. ļ. ļ | | | 1 | Cure Bridge De |
| B-673.SPJ.130 | Remove Overhangs (B-673 EB Span J) | 5 | 26-Mar-26 | 01-Apr-26 | 9 | 5 @ 8 H, W | | | | | | | | | | | Remove Overh |
| SPAN K | | | | | | | 4 : : : : : | | | | | | | | | | |
| B-673.SPK.100 | Set Bearing Pads/Erect Precast Concrete Beams (B-673 EB Span K) | 2 | 10-Nov-25 | 11-Nov-25 | 1 | 5 @ 8 H, W | _ | | : : : | | | | | | | 1 1 1 | et Bearing Pads/Erect Precas |
| B-673.SPK.105 | Set Overhangs (B-673 EB Span K) | 7 | 12-Dec-25 | 22-Dec-25 | 16 | 5@8H,W | | | | | | | | | | | Set Overhangs (B-673 EB |
| B-673.SPK.110 | Set Deck Pans (B-673 EB Span K) | 7 | 23-Dec-25 | 08-Jan-26 | 16 | 5@8H,W | 4 | 1-1-1-1-1-1 | | | | | | | | | Set Deck Pans (B-673 E |
| B-673.SPK.115 | Place Deck Rebar (B-673 EB Span K) | 6 | 09-Jan-26 | 16-Jan-26 | 26 | 5 @ 8 H, W | | | 1 1 1 | | | | | | 1 1 1 | | Place Deck Rebar (B-6 |
| B-673.SPK.120 | Setup Bidwell/Place Bridge Deck Concrete (B-673 EB Span K) | 8 | 09-Mar-26 | 18-Mar-26 | 9 | BRIDGE DECK | _ | | | | | | | | | | Setup Bidwell/P |
| B-673.SPK.125 | Cure Bridge Deck (B-673 EB Span K) | 7 | 18-Mar-26 | 25-Mar-26 | 65 | CURE | _ | | | | | | | | | | Cure Bridge De |
| B-673.SPK.130 | Remove Overhangs (B-673 EB Span K) | 5 | 19-Mar-26 | 25-Mar-26 | 9 | 5@8H,W | | | | | | | | | | | Remové Overha |
| SPAN L | | | | | | | 4-1-1-1-1-1 | | | | - - | | | | | | 1. |
| B-673.SPL.100 | Set Bearing Pads/Erect Precast Concrete Beams (B-673 EB Span L) | 2 | 06-Nov-25 | 07-Nov-25 | 1 | 5@8H,W | | | | | | | | | | | et Bearing Pads/Erect Precas |
| B-673.SPL.105 | Set Overhangs (B-673 EB Span L) | 7 | 03-Dec-25 | 11-Dec-25 | 16 | 5 @ 8 H, W | _ | | | | | | | | 1 1 1 | i i i | Set Overhangs (B-673 EB |
| B-673.SPL.110 | Set Deck Pans (B-673 EB Span L) | 7 | 12-Dec-25 | 22-Dec-25 | 27 | 5 @ 8 H, W | _ | | | | | | | | | 1 1 1 | Set Deck Pans (B-673 EB |
| B-673.SPL.115 | Place Deck Rebar (B-673 EB Span L) | 6 | 23-Dec-25 | 07-Jan-26 | 27 | 5 @ 8 H, W | _ | | | | | | | | | | Place Deck Rebar (B-67 |
| ■ B-673.SPL.120 | Setup Bidwell/Place Bridge Deck Concrete (B-673 EB Span L) | 2 | 11-Mar-26 | 12-Mar-26 | 49 | BRIDGE DECK | | 1 | | | | | | | | 1 1 1 | Setup Bidwell/Pl |
| B-673.SPL.125 | Cure Bridge Deck (B-673 EB Span L) | 7 | 12-Mar-26 | 19-Mar-26 | 71 | CURE | 4 | | | | | | | | | | Cure Bridge Dec |
| B-673.SPL.130 | Remove Overhangs (B-673 EB Span L) | 5 | 18-Mar-26 | 24-Mar-26 | 60 | 5@8H,W | | | | | | | | | | | Remove Overha |
| SPAN M | | | | | | | | | 1 1 1 | | <u> </u> | | | | 111 | 1 1 i | |
| 24-Jun-22 | Critical Remaining Work Changed Work | ■ Delay/Impact | | | | /2211122 | 2) \\D2= : 6: | CE | NIT | DID 66 | | E > /= | | | | | |
|)-Dec-26 | | _ | | | | (22HH00) | 2) VDOT I-64 | | | | HEDU | .t.V7 | | | | | |
| 4-Jun-22 | Remaining Work Remaining Level of Effort | Adverse Weather | | | | | (RPT) BARCHAR | | | All Activities | | | | | | | |
| L-May-22 | Actual Work Actual Level of Effort | Additional/Extra Wo | rk | | | | | Page 21 of | 41 | | | | | | | | |



| | Activity Name | OD | ES | EF | TF | CALENDAR | 2022 2023 2024 2025 2026 |
|--|---|----------------------|-------------|-------------|------|-------------|--|
| | | | | | | | |
| ■ B-673.SPM.100 | Set Bearing Pads/Erect Precast Concrete Beams (B-673 EB Span M) | 2 | 04-Nov-25 | 05-Nov-25 | 1 | 5@8H,W | Set Bearing Pads/Erect Precas |
| ■ B-673.SPM.105 | Set Overhangs (B-673 EB Span M) | 7 | 20-Nov-25 | 02-Dec-25 | 16 | 5@8H,W | ■ \$et;Overhangs (B-673 EB S |
| B-673.SPM.110 | Set Deck Pans (B-673 EB Span M) | 7 | 03-Dec-25 | 11-Dec-25 | 27 | 5@8H,W | ☐ Set Deck Pans (B-673 EB S |
| ■ B-673.SPM.115 | Place Deck Rebar (B-673 EB Span M) | 6 | 12-Dec-25 | 19-Dec-25 | 28 | 5@8H,W | I Place Deck Rebar (B-673) |
| ■ B-673.SPM.120 | Setup Bidwell/Place Bridge Deck Concrete (B-673 EB Span M) | 2 | 09-Mar-26 | 10-Mar-26 | 49 | BRIDGE DECK | I Setup Bidwell/Pl |
| ■ B-673.SPM.125 | Cure Bridge Deck (B-673 EB Span M) | 7 | 10-Mar-26 | 17-Mar-26 | 73 | CURE | □ Cure Bridge; Dec |
| B-673.SPM.130 | Remove Overhangs (B-673 EB Span M) | 5 | 11-Mar-26 | 17-Mar-26 | 60 | 5 @ 8 H, W | Rémove/Overha |
| # ~~~~ SPAN N ~~~~ | Terrore overlaings (5 0/3 E5 Spar H) | J | 11 (VIGI 20 | 17 14101 20 | 00 | 3 @ 011, ** | |
| B-673.SPN.100 | Set Bearing Pads/Erect Precast Concrete Beams (B-673 EB Span N) | 2 | 31-Oct-25 | 03-Nov-25 | 1 | 5 @ 8 H, W | |
| | | 7 | | | 16 | | Set Overhangs (B-673 EB Sp |
| B-673.SPN.105 | Set Overhangs (B-673 EB Span N) | 7 | 11-Nov-25 | 19-Nov-25 | | 5@8H,W | Set Overliai gs (6-6/3 EB S) |
| B-673.SPN.110 | Set Deck Pans (B-673 EB Span N) | | 20-Nov-25 | 02-Dec-25 | 27 | 5@8H,W | — i i i i i i i i i i i i i i i i i i |
| B-673.SPN.115 | Place Deck Rebar (B-673 EB Span N) | 6 | 03-Dec-25 | 10-Dec-25 | 29 | 5@8H,W | 1 Place Deck Rebar (B-673 E |
| B-673.SPN.120 | Setup Bidwell/Place Bridge Deck Concrete (B-673 EB Span N) | 2 | 12-Dec-25 | 15-Dec-25 | 52 | BRIDGE DECK | ☐ Setup Bidwell/Place Bridg |
| B-673.SPN.125 | Cure Bridge Deck (B-673 EB Span N) | 7 | 15-Dec-25 | 22-Dec-25 | 158 | CURE | □ Cure Bridge Deck (B-673 |
| B-673.SPN.130 | Remove Overhangs (B-673 EB Span N) | 5 | 16-Dec-25 | 22-Dec-25 | 110 | 5 @ 8 H, W | □ Remove Overhangs (B-6) |
| ====================================== | | | | | | | |
| ■ B-673.SPO.100 | Set Bearing Pads/Erect Precast Concrete Beams (B-673 EB Span O) | 2 | 29-Oct-25 | 30-Oct-25 | 1 | 5@8H,W | I Set Bearing Pads/Erect Precast |
| ■ B-673.SPO.105 | Set Overhangs (B-673 EB Span O) | 7 | 31-Oct-25 | 10-Nov-25 | 16 | 5@8H,W | ■ Set Overhangs (B-673 EB Spa |
| ■ B-673.SPO.110 | Set Deck Pans (B-673 EB Span O) | 7 | 11-Nov-25 | 19-Nov-25 | 27 | 5@8H,W | ☐ Set Deck Pans (B-673 EB Spa |
| B-673.SPO.115 | Place Deck Rebar (B-673 EB Span O) | 6 | 20-Nov-25 | 01-Dec-25 | 30 | 5@8H,W | Place Deck Rebar (B-673 E |
| ■ B-673.SPO.120 | Setup Bidwell/Place Bridge Deck Concrete (B-673 EB Span O) | 2 | 02-Dec-25 | 03-Dec-25 | 56 | BRIDGE DECK | J Setup Bidwell/Place Bridge |
| B-673.SPO.125 | Cure Bridge Deck (B-673 EB Span O) | 7 | 03-Dec-25 | 10-Dec-25 | 170 | CURE | Cute Bridge Deck (B-673 E |
| B-673.SPO.130 | Remove Overhangs (B-673 EB Span O) | 5 | 04-Dec-25 | 10-Dec-25 | 113 | 5 @ 8 H, W | I Remove Overhaings (8-673 |
| 5-675.3PO.130 SPAN P (OVER B | | 3 | 04-Dec-25 | 10-Dec-25 | 113 | 5 @ 6 H, VV | u heliose everlangs tu oz. |
| | , | | 40.14 05 | 20.14 25 | 22.5 | 5.001111 | |
| B-673.SPP.100 | Set Bearing Pads/Erect Precast Concrete Beams (B-673 EB Span P) | 2 | 19-Mar-25 | 20-Mar-25 | 226 | 5@8H,W | I Set Bearing Pads/Erect Predast Concrete Bearns (B-67 |
| B-673.SPP.105 | Set Overhangs (B-673 EB Span P) | 7 | 21-Mar-25 | 01-Apr-25 | 226 | 5 @ 8 H, W | Set Overhangs (8-673 EB Span P) |
| B-673.SPP.110 | Set Deck Pans (B-673 EB Span P) | 7 | 02-Apr-25 | 10-Apr-25 | 226 | 5@8H,W | 1 Set Deck Paris (8-673 EB Span P) |
| B-673.SPP.115 | Place Deck Rebar (B-673 EB Span P) | 6 | 11-Apr-25 | 21-Apr-25 | 232 | 5 @ 8 H, W | Placé Déck Rebar (B-673 EB, Span P) |
| ■ B-673.SPP.120 | Setup Bidwell/Place Bridge Deck Concrete (B-673 EB Span P) | 2 | 22-Apr-25 | 23-Apr-25 | 197 | BRIDGE DECK | I Setujo Bidwell/Place Bridge Deck Concrete (B-673) |
| ■ B-673.SPP.125 | Cure Bridge Deck (B-673 EB Span P) | 7 | 23-Apr-25 | 30-Apr-25 | 394 | CURE | ☐ Çure Bridge Deck (B-673 EB Span P) |
| ■ B-673.SPP.130 | Remove Overhangs (B-673 EB Span P) | 5 | 25-Apr-25 | 01-May-25 | 252 | 5@8H,W | II Remove Overhangs; (B-673 EB Span P) |
| SPAN Q | | | | | | | |
| B-673.SPQ.100 | Set Bearing Pads/Erect Precast Concrete Beams (B-673 EB Span Q) | 2 | 26-Mar-25 | 27-Mar-25 | 229 | 5 @ 8 H, W | Set Bearing Pads/Errect Precast Concrete Bearins (B-67 |
| B-673.SPQ.105 | Set Overhangs (B-673 EB Span Q) | 7 | 02-Apr-25 | 10-Apr-25 | 226 | 5@8H,W | Set Overhangs (B-673 EB Span Q) |
| B-673.SPQ.110 | Set Deck Pans (B-673 EB Span Q) | 7 | 11-Apr-25 | 22-Apr-25 | 226 | 5@8H,W | Set Deck Pans (B-673 EB Span Q) |
| | | 6 | · · | · · | | | ☐ Plaçe Deck Repar (B-673 EB Span Q) |
| B-673.SPQ.115 | Place Deck Rebar (B-673 EB Span Q) | | 23-Apr-25 | 01-May-25 | 231 | 5 @ 8 H, W | - |
| B-673.SPQ.120 | Setup Bidwell/Place Bridge Deck Concrete (B-673 EB Span Q) | 2 | 02-May-25 | 05-May-25 | 195 | BRIDGE DECK | ☐ Settup Bidwell/Place Bridge Deck Concrete (B:673 |
| B-673.SPQ.125 | Cure Bridge Deck (B-673 EB Span Q) | 7 | 05-May-25 | 12-May-25 | 382 | CURE | Cuire Bridge Deck (B-673 EB Span Q) |
| B-673.SPQ.130 | Remove Overhangs (B-673 EB Span Q) | 5 | 06-May-25 | 12-May-25 | 250 | 5@8H,W | ☐ Remove Overhangs (B-673 EB Span Q) |
| ~~~~~ SPAN R ~~~~~ | | | | | | | |
| B-673.SPR.100 | Set Bearing Pads/Erect Precast Concrete Beams (B-673 EB Span R) | 2 | 11-Apr-25 | 14-Apr-25 | 224 | 5@8H,W | I Set Bearing Pads/Erect Precast Concrete Beams (B- |
| B-673.SPR.105 | Set Overhangs (B-673 EB Span R) | 7 | 15-Apr-25 | 25-Apr-25 | 224 | 5@8H,W | ☐ Set Overhangs (B-673 EB Span R) |
| ■ B-673.SPR.110 | Set Deck Pans (B-673 EB Span R) | 7 | 28-Apr-25 | 06-May-25 | 224 | 5@8H,W | ☐ Set Deck Pans (B-673 ‡B Span R) |
| ■ B-673.SPR.115 | Place Deck Rebar (B-673 EB Span R) | 6 | 07-May-25 | 14-May-25 | 228 | 5@8H,W | □ Place Deck Rebar (B-673 EB Span R) |
| B-673.SPR.120 | Setup Bidwell/Place Bridge Deck Concrete (B-673 EB Span R) | 2 | 15-May-25 | 16-May-25 | 189 | BRIDGE DECK | Setup Bidwell/Place Bridge Deck Concrete (B-67: |
| B-673.SPR.125 | Cure Bridge Deck (B-673 EB Span R) | 7 | 16-May-25 | 23-May-25 | 371 | CURE | ☐ Cure;Bridge Deck(B-673 EB Span;R) |
| B-673.SPR.130 | Remove Overhangs (B-673 EB Span R) | 5 | 19-May-25 | 23-May-25 | 246 | 5 @ 8 H, W | Remove Overhangs (B-673;EB;Spian R) |
| | nemove overlidings (p-0/3 to 3pai n) | 3 | 13-IVIdY-23 | 23-IVIdY-23 | 240 | ა ლ o ⊓, vv | I I I I I I I I I I I I I I I I I I I |
| ~~~~ SPAN S ~~~~ | 0.10 1.01/5 10 10 15 (5.555.5) | | | | 207 | | |
| B-673.SPS.100 | Set Bearing Pads/Erect Precast Concrete Beams (B-673 EB Span S) | 2 | 22-Apr-25 | 23-Apr-25 | 225 | 5@8H,W | l Set Bearing Pads/Erect Precast Concrete Beams (B |
| B-673.SPS.105 | Set Overhangs (B-673 EB Span S) | 7 | 28-Apr-25 | 06-May-25 | 224 | 5@8H,W | □ Set Overhangs (B-673 EB Span \$) |
| ■ B-673.SPS.110 | Set Deck Pans (B-673 EB Span S) | 7 | 07-May-25 | 15-May-25 | 224 | 5 @ 8 H, W | |
| B-673.SPS.115 | Place Deck Rebar (B-673 EB Span S) | 6 | 16-May-25 | 23-May-25 | 227 | 5@8H,W | ☐ Place DeckRebar(B-673 EB Span/S) |
| ■ B-673.SPS.120 | Setup Bidwell/Place Bridge Deck Concrete (B-673 EB Span S) | 2 | 27-May-25 | 28-May-25 | 184 | BRIDGE DECK | Setup Bidwell/Place Bridge Deck Concrete (B-6 |
| ■ B-673.SPS.125 | Cure Bridge Deck (B-673 EB Span S) | 7 | 28-May-25 | 04-Jun-25 | 359 | CURE | ☐ Cure Bridge Deck (B-673 EB Span S) |
| ■ B-673.SPS.130 | Remove Overhangs (B-673 EB Span S) | 5 | 29-May-25 | 04-Jun-25 | 244 | 5@8H,W | 1 Remove Overhangs (B-673 EB Span S) |
| 5 073.513.130 | | | | | | | |
| | | | - | | | | <u> </u> |
| 4-Jun-22 | Critical Remaining Work Changed Work | Delay/Impact | | | | (22HH002 | 2) VDOT I-64 SEGMENT 4C BID SCHEDULE.V7 |
|)-Dec-26 | Remaining Work Remaining Level of Effort | Adverse Weather | | | | (221111002 | |
| 4-Jun-22 | | - / WASCISC AACUTICI | | | | | (RPT) BARCHART (11x17) TASK filter: All Activities |
| May-22 | Actual Work Actual Level of Effort | Additional/Extra Wor | | | | | Page 22 of 41 |











|) | Activity Name | OD | ES | EF | TF | CALENDAR | 2022 2023 2024 2025 2026 |
|-----------------------|--|---------------------|------------------------|-----------|-----|--|--|
| - D C74 D2 122 | Develop Ded Grabin 11 d Clab (D. CZANIS St. C) | | 04.14 24 | 05.14 24 | 421 | 5.00 |]] A S O N D] F M A M]] A S O N D] F M A M]] A S O N D] F M A M]] A S O N D] F M A M]] A |
| B-674.P2.120 | Demolish Deck for New Link Slab (B-674 WB Pier 2) | 3 | 01-Mar-24 | 05-Mar-24 | 131 | 5@8H,W | |
| B-674.P2.100 | Drive Production Piles (B-674 WB Pier 2) | 4 | 17-May-24 | 22-May-24 | 21 | 5@8H,W | Dive Production Piles (B-674 WB;Pier 2) |
| B-674.P2.105 | F/R/P Cap (B-674 WB Pier 2) | 3 | 17-Jul-24 | 22-Jul-24 | 4 | 5 @ 8 H, W | ■ F/R/P Cap (B-674/WB Pier 2) |
| B-674.P2.110 | Cure Cap (B-674 WB Pier 2) | 5 | 22-Jul-24 | 27-Jul-24 | 16 | CURE | |
| B-674.P2.115 | Strip Cap (B-674 WB Pier 2) | 1 | 23-Jul-24 | 23-Jul-24 | 14 | 5 @ 8 H, W | l StripCap (B-674 WB Pier 2) |
| B-674.P2.125 | F/R/P Flexible Link Slab (B-674 WB Pier 2) | 1 | 27-Aug-24 | 27-Aug-24 | 20 | 5@8H,W | I. F/R/P Flexible Link Slab (B-674 WB Pier, 2) |
| B-674.P2.130 | Flexible Link Slab Concrete Curing (B-674 WB Pier 2) | 7 | 27-Aug-24 | 03-Sep-24 | 36 | CURE | Flexible Link Şlab Concrete: Cıring (B-674 WB:Pier 2). |
| BENT 3 | , | | | | | | <u>/# : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :</u> |
| B-674.B3.120 | Demolish Deck for New Link Slab (B-674 WB Bent 3) | 3 | 27-Feb-24 | 29-Feb-24 | 131 | 5@8H,W | Demolish Deck for New Link Slab (B-674 WB Bent 3) |
| B-674.B3.100 | Set Template & Drive Test Pile (B-674 WB Bent 3) | 2 | 15-May-24 | 16-May-24 | 20 | 5@8H,W | I Set Template & Drive Test Pile (B-674 WB Bent 3) |
| ■ B-674.B3.135 | Wait Period for Test Pile (B-674 WB Bent 3) | 5 | 17-May-24 | 21-May-24 | 30 | CALENDAR DAY (8) | II Wait, Period for Test Pfle (B-674 WB Bent 3) |
| ■ B-674.B3.140 | Test Pile Re-Strike & Pile Length Det. (B-674 WB Bent 3) | 3 | 21-May-24 | 24-May-24 | 21 | 5@8H,W | II Test Pile Re-Strile; & Pile Length Det. (8-674,WB Bent; 3) |
| B-674.B3.145 | Drive Production Piles (B-674 WB Bent 3) | 4 | 10-Jun-24 | 14-Jun-24 | 21 | 5@8H,W | Drive Production Plles (B-674 WB Bent 3) |
| ■ B-674.B3.105 | F/R/P Cap (B-674 WB Bent 3) | 3 | 12-Jul-24 | 16-Jul-24 | 4 | 5@8H,W | I F/R/P Caiρ (β-6/4 WB Bent 3) |
| ■ B-674.B3.110 | Cure Cap (B-674 WB Bent 3) | 5 | 16-Jul-24 | 21-Jul-24 | 17 | CURE | II Cure Cap (B-674 WB Bent 3) |
| B-674.B3.115 | Strip Cap (B-674 WB Bent 3) | 1 | 17-Jul-24 | 17-Jul-24 | 14 | 5@8H,W | I Strip Cap (B-67/4 WB Bent 3) |
| B-674.B3.125 | F/R/P Flexible Link Slab (B-674 WB Bent 3) | 1 | 28-Aug-24 | 28-Aug-24 | 20 | 5@8H,W | F/R/P Flexible; Link Slab (B-1674 WB Bent 3) |
| B-674.B3.130 | Flexible Link Slab Concrete Curing (B-674 WB Bent 3) | 7 | 28-Aug-24 | 04-Sep-24 | 35 | CURE | Flexible Link Slab Concrete Curing (B-674 WB Bent 3) |
| B-074.B3.130 | | , | _0 / N/G ZT | 0. 3CP 24 | 33 | CONE | |
| B-674.B4.120 | Demolish Existing Expansion Joint (B-674 WB Bent 4) | 3 | 21-Feb-24 | 26-Feb-24 | 131 | 5 @ 8 H, W | Demolish Existing Expansion Joint (B-674 WB Bent 4) |
| B-674.B4.125 | | 2 | 27-Feb-24 | 28-Feb-24 | 137 | | Set Expansion Joint/F/R/P Expansion Joint (B-674;WB Bent 4) |
| | Set Expansion Joint/F/R/P Expansion Joint Blockout (B-674 WB Bent 4) | 7 | | | | 5 @ 8 H, W | [] Expansion Joint Blockout Concrete Curing (B-674;WB Bent;4) |
| B-674.B4.130 | Expansion Joint Blockout Concrete Curing (B-674 WB Bent 4) | - | 28-Feb-24 | 06-Mar-24 | 217 | CURE | - |
| B-674.B4.126 | Strip Expansion Joint Blockout (B-674 WB Bert 4) | 1 | 19-Mar-24 | 20-Mar-24 | 123 | 5@8H,W | Strip/Expansion Joint Blockout (B-674/WB Bent;4) |
| B-674.B4.100 | Drive Production Piles (B-674 WB Bent 4) | 3 | 10-May-24 | 14-May-24 | 20 | 5 @ 8 H, W | Drive Production Piles (B-674 WB Bent 4) |
| B-674.B4.105 | F/R/P Cap (B-674 WB Bent 4) | 3 | 09-Jul-24 | 11-Jul-24 | 4 | 5@8H,W | □ F/R/PCap(B-674 WB Bent 4) |
| B-674.B4.110 | Cure Cap (B-674 WB Bent 4) | 5 | 11-Jul-24 | 16-Jul-24 | 17 | CURE | |
| B-674.B4.115 | Strip Cap (B-674 WB Bent 4) | 1 | 12-Jul-24 | 12-Jul-24 | 14 | 5 @ 8 H, W | |
| BENT 5 | | | | | | | ## : |
| B-674.B5.100 | Set Template & Drive Test Pile (B-674 WB Bent 5) | 2 | 07-May-24 | 09-May-24 | 20 | 5 @ 8 H, W | I Set Template & Drive Test/Pile (B-674 WB/Bent 5) |
| ■ B-674.B5.120 | Wait Period for Test Pile (B-674 WB Bent 5) | 5 | 10-May-24 | 14-May-24 | 29 | CALENDAR DAY (8) | I Wait Period for Test Pile (B-674 WB Bent 5) |
| B-674.B5.125 | Test Pile Re-Strike & Pile Length Det. (B-674 WB Bent 5) | 3 | 14-May-24 | 17-May-24 | 20 | 5@8H,W | □ Test Pile Re;Strile & Pile Length Det. (B-674 WB Bent 5) |
| ■ B-674.B5.130 | Drive Production Piles (B-674 WB Bent 5) | 4 | 03-Jun-24 | 07-Jun-24 | 20 | 5@8H,W | II Drive Production Piles (B-674 WB Bent5) |
| ■ B-674.B5.105 | F/R/P Cap (B-674 WB Bent 5) | 3 | 03-Jul-24 | 08-Jul-24 | 4 | 5@8H,W | 1 F/R/PCap (B-674 WB Bent 5) |
| B-674.B5.110 | Cure Cap (B-674 WB Bent 5) | 5 | 08-Jul-24 | 13-Jul-24 | 17 | CURE | Il Cure Cap (B-674 WB Bent 5) |
| B-674.B5.115 | Strip Cap (B-674 WB Bent 5) | 1 | 09-Jul-24 | 09-Jul-24 | 14 | 5@8H,W | I Strip Cap (B-674 WB Bent 5) |
| BENT 6 | | | 1 | | | | |
| B-674.B6.100 | Drive Production Piles (B-674 WB Bent 6) | 3 | 02-May-24 | 06-May-24 | 20 | 5@8H,W | Drive Production Piles (B-674;WB Bent(6) |
| B-674.B6.105 | F/R/P Cap (B-674 WB Bent 6) | 3 | 28-Jun-24 | 02-Jul-24 | 4 | 5@8H,W | ■ F/R/P Cap (B-674 WB Bent 6) |
| B-674.B6.110 | Cure Cap (B-674 WB Bent 6) | 5 | 02-Jul-24 | 07-Jul-24 | 18 | CURE | ☐ Cure Cap (B-674 WB Bent 6) |
| B-674.B6.115 | Strip Cap (B-674 WB Bent 6) | 1 | 02-Jul-24 03-Jul-24 | | 14 | 5 @ 8 H, W | \$ \$trip Cap (B-674 WB Bent 6) |
| B-074.B0.113 | שווא מאין ט טיד איט טכוונטן | 1 | 03-Jui-24 | UJ-JUI-Z4 | 14 | ار ان میں ان | 4 |
| | Sot Tomplate & Drive Text Bile /D 674 M/D Bowt 7\ | 3 | 20 100 24 | 01 May 24 | 10 | E@OUW | Set.Template & Drive Test Pile (B;674 WB Bent 7) |
| B-674.B7.100 | Set Template & Drive Test Pile (B-674 WB Bent 7) | 2 | 30-Apr-24 | 01-May-24 | 19 | 5 @ 8 H, W | - |
| B-674.B7.120 | Wait Period for Test Pile (B-674 WB Bent 7) | 5 | 02-May-24 | 06-May-24 | 29 | CALENDAR DAY (8) | Wait Period for Test Pile (B-674 WB Bent 7) |
| B-674.B7.125 | Test Pile Re-Strike & Pile Length Det. (B-674 WB Bent 7) | 3 | 06-May-24 | 10-May-24 | 19 | 5@8H,W | Test Pile Re-Strife & Pile Length Det. (B-674 WB Beint 7) |
| B-674.B7.130 | Drive Production Piles (B-674 WB Bent 7) | 4 | 24-May-24 | 31-May-24 | 19 | 5 @ 8 H, W | Drive Production Piles (B-674WB Bent7) |
| B-674.B7.105 | F/R/P Cap (B-674 WB Bent 7) | 3 | 25-Jun-24 | 27-Jun-24 | 4 | 5 @ 8 H, W | I F/R/P Cap (B-574 WB Bent 7): |
| B-674.B7.110 | Cure Cap (B-674 WB Bent 7) | 5 | 27-Jun-24 | 02-Jul-24 | 20 | CURE | Curè Cap (B-674 WB Bent 7) |
| B-674.B7.115 | Strip Cap (B-674 WB Bent 7) | 1 | 28-Jun-24 | 28-Jun-24 | 14 | 5@8H,W | |
| PIER 8 | | | | | | | |
| B-674.P8.120 | Demolish Deck for New Expansion Joint (B-674 WB Pier 8) | 3 | 15-Feb-24 | 20-Feb-24 | 131 | 5@8H,W | Demolish Deck for New Expansion Joint (B-674 WB Pier 8) |
| B-674.P8.125 | Set Expansion Joint/F/R/P Expansion Joint Blockout (B-674 WB Pier 8) | 2 | 21-Feb-24 | 22-Feb-24 | 139 | 5@8H,W | I; Set Expansion Joint / F/R/P Expansion Joint Blockout (B-674 WB; Pier 8) |
| B-674.P8.130 | Expansion Joint Blockout Concrete Curing (B-674 WB Pier 8) | 7 | 22-Feb-24 | 29-Feb-24 | 223 | CURE | Expansion Joint Blockout Congrete Curing (B-674 WB Pier 8) |
| ■ B-674.P8.126 | Strip Expansion Joint Blockout (B-674 WB Pier 8) | 1 | 18-Mar-24 | 19-Mar-24 | 123 | 5@8H,W | |
| ■ B-674.P8.100 | Drive Production Piles (B-674 WB Pier 8) | 3 | 24-Apr-24 | 26-Apr-24 | 19 | 5 @ 8 H, W | Drive Production Piles (8-674 WB Pier 8) |
| ■ B-674.P8.105 | F/R/P Cap (B-674 WB Pier 8) | 3 | 19-Jun-24 | 24-Jun-24 | 4 | 5@8H,W | I F/R/P Cap (B-674 WB Pier 8) |
| B-674.P8.110 | Cure Cap (B-674 WB Pier 8) | 5 | 24-Jun-24 | 29-Jun-24 | 17 | CURE | l Cure Cap (B-674 WB Pier 8) |
| | | | 1 | | | 30.12 | <u> </u> |
| 24-Jun-22 | Critical Remaining Work Changed Work | Delay/Impact | | | | (22HH002) |) VDOT I-64 SEGMENT 4C BID SCHEDULE.V7 |
| 0-Dec-26 | Remaining Work Remaining Level of Effort | Adverse Weather | | | | \ | (RPT) BARCHART (11x17) TASK filter: All Activities |
| 24-Jun-22 1-May-22 | _ | | . | | | | Page 24 of 41 |
| | Actual Work Actual Level of Effort | Additional/Extra Wo | K I | | | | rage 24 01 41 |





| 1 | Activity Name | OD | ES | EF | TF | CALENDAR | 2022 2023 2024 2025 2026 |
|--|---|----------------------|------------|------------------------|-----|------------------|--|
| ■ B-674.P8.115 | Strip Cap (B-674 WB Pier 8) | 1 | 25-Jun-24 | 25-Jun-24 | 14 | 5 @ 8 H, W | |
| ====================================== | | · | | | | | |
| B-674.B9.120 | Demolish Deck for New Expansion Joint (B-674 WB Bent 9) | 3 | 12-Feb-24 | 14-Feb-24 | 131 | 5@8H,W | □ Démolish Dèckfor New Expàns on Joint (B-674 WB Bent 9) |
| ■ B-674.B9.125 | Set Expansion Joint/F/R/P Expansion Joint Blockout (B-674 WB Bent 9) | 2 | 15-Feb-24 | 19-Feb-24 | 141 | 5@8H,W | II Set Expansion Joint/F/R/P Expansion Joint Blockout (B-674 WB Bent 9) |
| ■ B-674.B9.130 | Expansion Joint Blockout Concrete Curing (B-674 WB Bent 9) | 7 | 19-Feb-24 | 26-Feb-24 | 226 | CURE | [] Expansion Joint Blockout Conclete Curing (B-674 WB Bent 9) |
| ■ B-674.B9.126 | Strip Expansion Joint Blockout (B-674 WB Bert 9) | 1 | 15-Mar-24 | 18-Mar-24 | 123 | 5@8H,W | Strip Expansion Joint Blockout (B-674/WB Bent 9) |
| ■ B-674.B9.100 | Set Template & Drive Test Pile (B-674 WB Bent 9) | 2 | 22-Apr-24 | 23-Apr-24 | 16 | 5@8H,W | Set Template & Drive Test Pile (B-674 WB Bent 9) |
| B-674.B9.135 | Wait Period for Test Pile (B-674 WB Bent 9) | 5 | 24-Apr-24 | 28-Apr-24 | 26 | CALENDAR DAY (8) | Wait Périod for Tést Pile (B-674 WB Berit 9) |
| B-674.B9.140 | Test Pile Re-Strike & Pile Length Det. (B-674 WB Bent 9) | 3 | 30-Apr-24 | 02-May-24 | 18 | 5@8H,W | Test Pile Re-Strike & Pile Length Det. (B-674 WB Bent 9) |
| B-674.B9.145 | Drive Production Piles (B-674 WB Bent 9) | 4 | 20-May-24 | 23-May-24 | 18 | 5@8H,W | Drive Production Piles (B-674 WB Bent 9) |
| B-674.B9.105 | F/R/P Cap (B-674 WB Bent 9) | 3 | 14-Jun-24 | 18-Jun-24 | 4 | 5@8H,W | I F/R/P Cap (B-674 WB Bent 9) |
| B-674.B9.110 | Cure Cap (B-674 WB Bent 9) | 5 | 18-Jun-24 | 23-Jun-24 | 18 | CURE | © Qure;Cap (B-674 WB;Bent 9) |
| B-674.B9.115 | Strip Cap (B-674 WB Bent 9) | 1 | 19-Jun-24 | 19-Jun-24 | 14 | 5 @ 8 H, W | Strip Cap (B-674 WB Bent 9) |
| | Sulp Cap (B-0/4 WB Bell(3) | | 15-Juli-24 | 19-Jui F24 | 14 | 3 @ 8 H, W | 1 Supranto-Ava Beits) |
| BENT 10 ~~~~ | Disa Dual stice Piles (D. CZANAD Dantas) | | 47.424 | 10.424 | 4.0 | 5.0011111 | Photography Black (Control of Control of Con |
| B-674.B10.100 | Drive Production Piles (B-674 WB Bent 10) | 3 | 17-Apr-24 | 19-Apr-24 | 16 | 5@8H,W | T Drive Production Piles (B-674 WB Bent10) |
| B-674.B10.105 | F/R/P Cap (B-674 WB Bent 10) | 3 | 11-Jun-24 | 13-Jun-24 | 4 | 5@8H,W | I ; F/R/P, Cap (B-674 WB; Bent 10); |
| B-674.B10.110 | Cure Cap (B-674 WB Bent 10) | 5 | 13-Jun-24 | 18-Jun-24 | 20 | CURE | □ Cure Cap (B-674 WB Bent 10) |
| B-674.B10.115 | Strip Cap (B-674 WB Bent 10) | 1 | 14-Jun-24 | 14-Jun-24 | 14 | 5@8H,W | I Strip Cap (B-67/4 WB Bent 10) |
| BENT 11 | | | | | | | |
| B-674.B11.100 | Set Template & Drive Test Pile (B-674 WB Bent 11) | 2 | 12-Apr-24 | 16-Apr-24 | 16 | 5@8H,W | D Set Template & Drive Test Pile (B-674 WB Bent 11) |
| B-674.B11.120 | Wait Period for Test Pile (B-674 WB Bent 11) | 5 | 17-Apr-24 | 21-Apr-24 | 25 | CALENDAR DAY (8) | U Wait Period for Test Pile (B-674 W/B Bent 11) |
| B-674.B11.125 | Test Pile Re-Strike & Pile Length Det. (B-674 WB Bent 11) | 3 | 22-Apr-24 | 24-Apr-24 | 17 | 5@8H,W | Test Pile Re-Strike; & Pile Length Det. (B-674 WB Bent 11) |
| ■ B-674.B11.130 | Drive Production Piles (B-674 WB Bent 11) | 4 | 13-May-24 | 16-May-24 | 17 | 5@8H,W | I Drive Production Piles (B÷67/4 WB Bent11) |
| B-674.B11.105 | F/R/P Cap (B-674 WB Bent 11) | 3 | 06-Jun-24 | 10-Jun-24 | 4 | 5@8H,W | F/R/P/Cap (B-674 WB Bent 11) |
| ■ B-674.B11.110 | Cure Cap (B-674 WB Bent 11) | 5 | 10-Jun-24 | 15-Jun-24 | 17 | CURE | □ Cure Cap (B-674 WB Bent 11) |
| ■ B-674.B11.115 | Strip Cap (B-674 WB Bent 11) | 1 | 11-Jun-24 | 11-Jun-24 | 14 | 5@8H,W | I Strip Cap (B-674 WB Bent 11) |
| BENT 12 | | <u>'</u> | | | | | ۶ |
| B-674.B12.100 | Drive Production Piles (B-674 WB Bent 12) | 3 | 09-Apr-24 | 11-Apr-24 | 16 | 5@8H,W | Drive Production Piles (8-674 WB Bent 12) |
| B-674.B12.105 | F/R/P Cap (B-674 WB Bent 12) | 3 | 03-Jun-24 | 05-Jun-24 | 4 | 5@8H,W | I F/R/P Cap (B-674 W/B Bent 12) |
| B-674.B12.110 | Cure Cap (B-674 WB Bent 12) | 5 | 05-Jun-24 | 10-Jun-24 | 17 | CURE | □ Cure Cap (B-674 WB Bent 12) |
| B-674.B12.115 | Strip Cap (B-674 WB Bent 12) | 1 | 06-Jun-24 | 06-Jun-24 | 14 | 5 @ 8 H, W | Strip Cap (B-674 WB Bent 12) |
| B 074.B12.113 | Sulp ap (b 074 Wb BCH 12) | | 00 Juli 24 | 00 Juli 24 | 17 | 3 @ 011, W | / |
| B-674.B13.120 | Domolich Dock for New Evpansion Joint (P. 674 M/P. Pont 12) | 3 | 07-Feb-24 | 09-Feb-24 | 121 | E @ O L W | Demolish Deck for New Expansion Joint (B-674 WB Bent 13) |
| | Demolish Deck for New Expansion Joint (B-674 WB Bent 13) | - | | | 131 | 5@8H,W | Set Expansion Joint/F/R/P Expansion Joint Blockout (B-674 WB Bent 1B) |
| B-674.B13.125 | Set Expansion Joint/F/R/P Expansion Joint Blockout (B-674 WB Bent 13) | 2 | 12-Feb-24 | 13-Feb-24 | 143 | 5@8H,W | |
| B-674.B13.130 | Expansion Joint Blockout Concrete Curing (B-674 WB Bent 13) | 7 | 13-Feb-24 | 20-Feb-24 | 232 | CURE | Expansion Joint Blockout Concrete Curing (B-674 WB Berit 13) |
| B-674.B13.126 | Strip Expansion Joint Blockout (B-674 WB Pier 13) | 1 | 14-Mar-24 | 15-Mar-24 | 123 | 5@8H,W | Strip Expansion, Joint Blockoult (8-674 WB Pier 13) |
| B-674.B13.100 | Set Template & Drive Test Pile (B-674 WB Bent 13) | 2 | 04-Apr-24 | 05-Apr-24 | 16 | 5@8H,W | Set Template & Drive Test Pile (B-674 WB Bent 13) |
| B-674.B13.135 | Wait Period for Test Pile (B-674 WB Bent 13) | 5 | 06-Apr-24 | 10-Apr-24 | 27 | CALENDAR DAY (8) | [] Wait Period for Test Pile (B-674 WB Bent 13) |
| B-674.B13.140 | Test Pile Re-Strike & Pile Length Det. (B-674 WB Bent 13) | 3 | 10-Apr-24 | 16-Apr-24 | 17 | 5@8H,W | Test Pile Re-Strike & Pile Length Det. (B-674 WB Bent 13) |
| B-674.B13.145 | Drive Production Piles (B-674 WB Bent 13) | 4 | 01-May-24 | 07-May-24 | 17 | 5@8H,W | Driye Producțion Piles (B-674;WB Bent13) |
| B-674.B13.105 | F/R/P Cap (B-674 WB Bent 13) | 3 | 29-May-24 | 31-May-24 | 4 | 5@8H,W | I F/R/P Cap(B-674 WB Bent 13) |
| B-674.B13.110 | Cure Cap (B-674 WB Bent 13) | 5 | 31-May-24 | 05-Jun-24 | 19 | CURE | : : : : : : : : : : : : : : : : |
| B-674.B13.115 | Strip Cap (B-674 WB Bent 13) | 1 | 03-Jun-24 | 03-Jun-24 | 14 | 5@8H,W | : : : : : : : : : : : : : : : : : |
| BENT 14 ~~~~ | | | | | | | |
| B-674.B14.100 | Drive Production Piles (B-674 WB Bent 14) | 3 | 01-Apr-24 | 03-Apr-24 | 16 | 5@8H,W | Drive Production Piles (B-674 WB Bent 14) |
| B-674.B14.105 | F/R/P Cap (B-674 WB Bent 14) | 3 | 23-May-24 | 28-May-24 | 4 | 5@8H,W | I t F/R/P Cap (B-674 WB Bent 14) |
| ■ B-674.B14.110 | Cure Cap (B-674 WB Bent 14) | 5 | 28-May-24 | 02-Jun-24 | 16 | CURE | |
| ■ B-674.B14.115 | Strip Cap (B-674 WB Bent 14) | 1 | 29-May-24 | 29-May-24 | 14 | 5@8H,W | I Strip Cap (B-674 WB Bent 14) |
| BENT 15 ~~~~ | | , | | | | | |
| B-674.B15.100 | Set Template & Drive Test Pile (B-674 WB Bent 15) | 2 | 28-Mar-24 | 29-Mar-24 | 13 | 5@8H,W | (Set Template & Drive Test Pile (B-674 WB Bent 15) |
| B-674.B15.120 | Wait Period for Test Pile (B-674 WB Bent 15) | 5 | 30-Mar-24 | 03-Apr-24 | 23 | CALENDAR DAY (8) | ■ Wait Period for Test:Pile (B-674 WB Bent 15) |
| B-674.B15.125 | Test Pile Re-Strike & Pile Length Det. (B-674 WB Bent 15) | 3 | 03-Apr-24 | 09-Apr-24 | 15 | 5 @ 8 H, W | 1 Test Pile Re-Strike & Pile Length Det. (B-674 WB Bent 15) |
| B-674.B15.130 | Drive Production Piles (B-674 WB Bent 15) | 4 | 24-Apr-24 | 03-Api-24 01-May-24 | 15 | 5@8H,W | Drivle Production Piles (B-674WB Bent15) |
| | | 3 | - | | 4 | | F/R/P Cap (B-674 WB Bent 15) |
| B-674.B15.105 | F/R/P Cap (B-674 WB Bent 15) | | 20-May-24 | 22-May-24 | - | 5 @ 8 H, W | # - # |
| B-674.B15.110 | Cure Cap (B-674 WB Bent 15) | 5 | 22-May-24 | 27-May-24 | 17 | CURE | [Cure Cap (B-674 WB Bent 15) |
| B-674.B15.115 | Strip Cap (B-674 WB Bent 15) | 1 | 23-May-24 | 23-May-24 | 14 | 5 @ 8 H, W | |
| 4-Jun-22 | Critical Remaining Work Changed Work | Delay/Impact | | | | (330003) | VDOT LEA SEGMENT AC RID SCHEDULE V7 |
|)-Dec-26 | | | | | | (220002) | VDOT I-64 SEGMENT 4C BID SCHEDULE.V7 |
| 4-Jun-22 | | Adverse Weather | | | | | (RPT) BARCHART (11x17) TASK filter: All Activities |
| -May-22 | Actual Work Actual Level of Effort | Additional/Extra Wor | ı I | | | | Page 25 of 41 |





| ID | Activity Name | OD | ES | EF | IF | CALENDAR | 2022 2023 2024 2025 2026 J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S |
|------------------------------------|---|---------------------------------|-----------|-----------|-----|------------------|---|
| BENT 16 ~~~~ | | | | | | | |
| ■ B-674.B16.100 | Drive Production Piles (B-674 WB Bent 16) | 3 | 25-Mar-24 | 27-Mar-24 | 13 | 5@8H,W | I Drive Production Piles (8-674 WB Bent 16) |
| ■ B-674.B16.105 | F/R/P Cap (B-674 WB Bent 16) | 3 | 15-May-24 | 17-May-24 | 4 | 5@8H,W | I F/R/P Cap (B-674/WB Bent 16) |
| ■ B-674.B16.110 | Cure Cap (B-674 WB Bent 16) | 5 | 17-May-24 | 22-May-24 | 19 | CURE | ☐ Cure Cap (B-674 WB Bent 16) |
| B-674.B16.115 | Strip Cap (B-674 WB Bent 16) | 1 | 20-May-24 | 20-May-24 | 14 | 5@8H,W | Strip Cap (B-674 WB Bent 16) |
| BENT 17 | | , | , | | | | |
| B-674.B17.120 | Demolish Deck for New Expansion Joint (B-674 WB Bent 17) | 3 | 02-Feb-24 | 06-Feb-24 | 131 | 5@8H,W | 1 Demolish Deck for New Expansion Joint (B-674 WB;Bent 17) |
| B-674.B17.125 | Set Expansion Joint/F/R/P Expansion Joint Blockout (B-674 WB Bent 17) | 2 | 07-Feb-24 | 08-Feb-24 | 145 | 5@8H,W | |
| B-674.B17.130 | Expansion Joint Blockout Concrete Curing (B-674 WB Bent 17) | 7 | 08-Feb-24 | 15-Feb-24 | 237 | CURE | Expansion Joint Blockout Concrete Curing (B-674 WB Bent 17) |
| B-674.B17.126 | Strip Expansion Joint Blockout (B-674 WB Bent 17) | 1 | 13-Mar-24 | 14-Mar-24 | 123 | 5@8H,W | I Strip Expansion Joint Blockout (B-674 WB Bent 17) |
| B-674.B17.100 | Set Template & Drive Test Pile (B-674 WB Bent 17) | 2 | 21-Mar-24 | 22-Mar-24 | 13 | 5@8H,W | Set Template & Drive Test Pile (B-674 WB Bent 17) |
| B-674.B17.135 | Wait Period for Test Pile (B-674 WB Bent 17) | 5 | 23-Mar-24 | 27-Mar-24 | 22 | CALENDAR DAY (8) | II Wait Period for Test Pile;(B-674 WB Bent 17) |
| B-674.B17.140 | Test Pile Re-Strike & Pile Length Det. (B-674 WB Bent 17) | 3 | 27-Mar-24 | 01-Apr-24 | 14 | 5@8H,W | Test Pile Re-Strike & Pile Length Det. (B-674 WB Bent 17) |
| B-674.B17.145 | Drive Production Piles (B-674 WB Bent 17) | 4 | 17-Apr-24 | 23-Apr-24 | 14 | 5@8H,W | Drive Production Piles (B-674 WB Bent17) |
| | · · | 3 | · · | | 4 | | |
| B-674.B17.105 | F/R/P Cap (B-674 WB Bent 17) | | 10-May-24 | 14-May-24 | | 5@8H,W | # : : : : : : : : : : : : : : : : : |
| B-674.B17.110 | Cure Cap (B-674 WB Bent 17) | 5 | 14-May-24 | 19-May-24 | 17 | CURE | Cyre Cap (Β-674 WB Bent 17) |
| B-674.B17.115 | Strip Cap (B-674 WB Bent 17) | 1 | 15-May-24 | 15-May-24 | 14 | 5 @ 8 H, W | |
| BENT 18 ~~~~ | | - | 40::-:: | | | | |
| B-674.B18.100 | Drive Production Piles (B-674 WB Bent 18) | 3 | 18-Mar-24 | 20-Mar-24 | 13 | 5@8H,W | Drive Production Piles (B-674 WB Bent 18) |
| B-674.B18.105 | F/R/P Cap (B-674 WB Bent 18) | 3 | 06-May-24 | 09-May-24 | 4 | 5 @ 8 H, W | l F/R/P Cap (β-674 WB Bent 18) |
| B-674.B18.110 | Cure Cap (B-674 WB Bent 18) | 5 | 09-May-24 | 14-May-24 | 17 | CURE | Cure Cap (B 674 WB Bent 18) |
| B-674.B18.115 | Strip Cap (B-674 WB Bent 18) | 1 | 10-May-24 | 10-May-24 | 14 | 5@8H,W | |
| BENT 19 ~~~~ | | | | | | | |
| B-674.B19.100 | Set Template & Drive Test Pile (B-674 WB Bent 19) | 2 | 14-Mar-24 | 15-Mar-24 | 13 | 5@8H,W | I Set Template & Drive Test Pile (\$-674 WB Bent 19) |
| B-674.B15.135 | Wait Period for Test Pile (B-674 WB Bent 19) | 5 | 16-Mar-24 | 20-Mar-24 | 20 | CALENDAR DAY (8) | Wait Period for Test Pile (B-674 WB Bent 19) |
| ■ B-674.B15.140 | Test Pile Re-Strike & Pile Length Det. (B-674 WB Bent 19) | 3 | 20-Mar-24 | 25-Mar-24 | 13 | 5@8H,W | 📗 Tjest;Pile Re-Strike & Pile; Length Det. (B-674;WB Bjent; 19) |
| B-674.B15.145 | Drive Production Piles (B-674 WB Bent 19) | 4 | 09-Apr-24 | 16-Apr-24 | 13 | 5@8H,W | Di Drive Production Piles (B-674 W/B Bent 19) |
| B-674.B19.105 | F/R/P Cap (B-674 WB Bent 19) | 3 | 01-May-24 | 03-May-24 | 4 | 5@8H,W | I F/R/P Cap (B-674 WB βerit 19) |
| ■ B-674.B19.110 | Cure Cap (B-674 WB Bent 19) | 5 | 03-May-24 | 08-May-24 | 20 | CURE | |
| ■ B-674.B19.115 | Strip Cap (B-674 WB Bent 19) | 1 | 06-May-24 | 06-May-24 | 14 | 5@8H,W | |
| BENT 20 ~~~~ | | · | | | | ' | |
| B-674.B20.100 | Drive Production Piles (B-674 WB Bent 20) | 3 | 11-Mar-24 | 13-Mar-24 | 13 | 5@8H,W | I Drive Production Piles (B-674 WB Berit 20) |
| B-674.B20.105 | F/R/P Cap (B-674 WB Bent 20) | 3 | 25-Apr-24 | 30-Apr-24 | 4 | 5@8H,W | ■ F/R/P Cap (B-674 W/B Bent 20) |
| ■ B-674.B20.110 | Cure Cap (B-674 WB Bent 20) | 5 | 30-Apr-24 | 05-May-24 | 17 | CURE | 1 Cure Cap (B-674 WB Bent 20) |
| B-674.B20.115 | Strip Cap (B-674 WB Bent 20) | 1 | 01-May-24 | 01-May-24 | 14 | 5@8H,W | \$trip Cap (B-674\WB Bent 20) |
| BENT 21 | | | , | , | | , , | |
| B-674.B21.120 | Demolish Deck for New Expansion Joint (B-674 WB Bent 21) | 3 | 30-Jan-24 | 01-Feb-24 | 131 | 5@8H,W | Demolish Deck for New Expansion Joint (B-674 WB Bent 21) |
| B-674.B21.125 | Set Expansion Joint/F/R/P Expansion Joint Blockout (B-674 WB Bent 21) | 2 | 02-Feb-24 | 05-Feb-24 | 147 | 5@8H,W | Set Expansion Joint/F/R/P Expansion J dint Blockout (B-674 WB Bent 21) |
| B-674.B21.130 | Expansion Joint Blockout Concrete Curing (B-674 WB Bent 21) | 7 | 05-Feb-24 | 12-Feb-24 | 240 | CURE | Expansion Joint Blockout Concrete Curing (B-674 WB Bent 21) |
| | | 2 | 1 | 08-Mar-24 | 10 | | Set Template & Drive Test Pile (B-674 WB Bent 21) |
| B-674.B21.100 | Set Template & Drive Test Pile (B-674 WB Bent 21) | | 07-Mar-24 | | | 5 @ 8 H, W | Set Terripiate & Drive Test Pile (B-674 Wb Delit 21) |
| B-674.B21.135 | Wait Period for Test Pile (B-674 WB Bent 21) | 5 | 09-Mar-24 | 13-Mar-24 | 16 | CALENDAR DAY (8) | |
| B-674.B21.126 | Strip Expansion Joint Blockout (B-674 WB Bent 21) | 1 | 12-Mar-24 | 13-Mar-24 | 123 | 5@8H, W | Strip Expansion Joint Blockout (B-674 WB Bent 21) |
| B-674.B21.140 | Test Pile Re-Strike & Pile Length Det. (B-674 WB Bent 21) | 3 | 13-Mar-24 | 18-Mar-24 | 12 | 5@8H,W | Test Pile/Re-Strile & Pile Length Det. (B-674 WB Bent 21) |
| B-674.B21.145 | Drive Production Piles (B-674 WB Bent 21) | 4 | 01-Apr-24 | 05-Apr-24 | 12 | 5@8H,W | Drive Production Piles (B-674 WB Bent21) |
| B-674.B21.105 | F/R/P Cap (B-674 WB Bent 21) | 3 | 22-Apr-24 | 24-Apr-24 | 4 | 5 @ 8 H, W | I F/R/P Cap (B-674 WB Blent 21) |
| ■ B-674.B21.110 | Cure Cap (B-674 WB Bent 21) | 5 | 24-Apr-24 | 29-Apr-24 | 18 | CURE | |
| B-674.B21.115 | Strip Cap (B-674 WB Bent 21) | 1 | 25-Apr-24 | 25-Apr-24 | 14 | 5@8H,W | |
| BENT 22 ~~~~ | | | | | | | |
| ■ B-674.B22.100 | Drive Production Piles (B-674 WB Bent 22) | 3 | 04-Mar-24 | 06-Mar-24 | 10 | 5@8H,W | l Drive Production Pifes (B-674 WB Bent22) |
| ■ B-674.B22.105 | F/R/P Cap (B-674 WB Bent 22) | 3 | 17-Apr-24 | 19-Apr-24 | 4 | 5@8H,W | |
| ■ B-674.B22.110 | Cure Cap (B-674 WB Bent 22) | 5 | 19-Apr-24 | 24-Apr-24 | 20 | CURE | □ Qure Cap (B-674 WB; Bent 22) |
| ■ B-674.B22.115 | Strip Cap (B-674 WB Bent 22) | 1 | 22-Apr-24 | 22-Apr-24 | 14 | 5@8H,W | I, Strip/Cap (B-674 WB;Bent 22) |
| BENT 23 | | | | | | | |
| B-674.B23.100 | Set Template & Drive Test Pile (B-674 WB Bent 23) | 2 | 29-Feb-24 | 01-Mar-24 | 10 | 5@8H,W | Set Template & Drive Test Pile (B-674 WB Bent 23) |
| ■ B-674.B23.120 | Wait Period for Test Pile (B-674 WB Bent 23) | 5 | 02-Mar-24 | 06-Mar-24 | 15 | CALENDAR DAY (8) | 1 Wait Period for Test Pile (B-674 WB Bent 23) |
| ■ B-674.B23.125 | Test Pile Re-Strike & Pile Length Det. (B-674 WB Bent 23) | 3 | 06-Mar-24 | 11-Mar-24 | 11 | 5@8H,W | ☐ Test Pile Re-Strike & Pile Length Det. (B-674 WB; Bent 23) |
| 24-Jun-22 D-Dec-26 14-Jun-22 | | Delay/Impact Adverse Weather | | | | (22HH002) |) VDOT I-64 SEGMENT 4C BID SCHEDULE.V7 (RPT) BARCHART (11x17) TASK filter: All Activities |
| 1-May-22 | Actual Work Actual Level of Effort | Additional/Extra Wo | rk | | | | Page 26 of 41 |



|) | Activity Name | OD | ES | EF | TF | CALENDAR | 2022 2023 2024 2025 202 J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J | |
|--|--|--|--------------|-------------|-----|------------------|---|-------|
| ■ B-674.B23.130 | Drive Production Piles (B-674 WB Bent 23) | 4 | 25-Mar-24 | 29-Mar-24 | 11 | 5 @ 8 H, W | Drive Production Piles (B-6/74 WB Bent 23); | ++ |
| ■ B-674.B23.105 | F/R/P Cap (B-674 WB Bent 23) | 3 | 11-Apr-24 | 16-Apr-24 | 4 | 5@8H,W | ■ F/R/P Cap (B-674 WB Bent 23) | 1 1 |
| ■ B-674.B23.110 | Cure Cap (B-674 WB Bent 23) | 5 | 16-Apr-24 | 21-Apr-24 | 18 | CURE | □ Cure Cap (B-674 WB Bent 23) | 1 1 |
| B-674.B23.115 | Strip Cap (B-674 WB Bent 23) | 1 | 17-Apr-24 | 17-Apr-24 | 14 | 5@8H,W | | |
| BENT 24 | 0.1.p cap (5 0.7 1.1.2 5c.1.2.5) | | 27 7 (p. 2) | 27740.21 | | 3 @ 0.1,11 | | - |
| B-674.B24.100 | Drive Production Piles (B-674 WB Bent 24) | 3 | 26-Feb-24 | 28-Feb-24 | 10 | 5@8H,W | ☐ Drive Production Piles (B-674 WB Bent24) | |
| B-674.B24.105 | F/R/P Cap (B-674 WB Bent 24) | 3 | 05-Apr-24 | 10-Apr-24 | 4 | 5@8H,W | F/R/P/Cap (B-674 WB)Bent 24) | |
| B-674.B24.110 | Cure Cap (B-674 WB Bent 24) | 5 | 10-Apr-24 | 15-Apr-24 | 18 | CURE | Cure Cap (B+674 WB Berit 24) | |
| B-674.B24.115 | Strip Cap (B-674 WB Bent 24) | 1 | 11-Apr-24 | 11-Apr-24 | 14 | 5 @ 8 H, W | ■ Strip Cap (B-674 WB Bent 24) | |
| B-074.B24.113 | 301p Cap (0-074 WB Belit 24) | | 11-Api-24 | 11-Apr-24 | 14 | J @ 811, W | - 3.0 30,0 37,0 30,0 27,0 | |
| B-674.B25.120 | Domalich Dock for Nov Expansion Joint (D. 674 MD Boot 25) | 3 | 25-Jan-24 | 29-Jan-24 | 131 | E @ Q LL W | | - 1 : |
| | Demolish Deck for New Expansion Joint (B-674 WB Bent 25) | 2 | | | | 5 @ 8 H, W | Set Expansion Joint/F/R/P Expansion Joint Blockout (B-674,WB Bent;25) | : : |
| B-674.B25.125 | Set Expansion Joint/F/R/P Expansion Joint Blockout (B-674 WB Bent 25) | 7 | 30-Jan-24 | 31-Jan-24 | 149 | 5 @ 8 H, W | - No No. | |
| B-674.B25.130 | Expansion Joint Blockout Concrete Curing (B-674 WB Bent 25) | | 31-Jan-24 | 07-Feb-24 | 245 | CURE | Expansion Joint Blockdut Concrete Curing (B-674/WB Blent/25) | |
| B-674.B25.100 | Set Template & Drive Test Pile (B-674 WB Bent 25) | 2 | 21-Feb-24 | 22-Feb-24 | 10 | 5 @ 8 H, W | I Set Template & Drive Test Pille (B-674 WB Bent 25) | ; ; |
| B-674.P25.100 | Wait Period for Test Pile (B-674 WB Bent 25) | 5 | 23-Feb-24 | 27-Feb-24 | 15 | CALENDAR DAY (8) | Wait Period for Test Pile (B-674 WB Bent 25) | |
| B-674.P25.105 | Test Pile Re-Strike & Pile Length Det. (B-674 WB Bent 25) | 3 | 27-Feb-24 | 01-Mar-24 | 11 | 5 @ 8 H, W | ☐ Test Pile Re-Strike & Pile Length Det. (B+674 W/B Bent 25) | |
| ■ B-674.B25.126 | Strip Expansion Joint Blockout (B-674 WB Bent 25) | 1 | 11-Mar-24 | 12-Mar-24 | 123 | 5@8H,W | | |
| B-674.P25.110 | Drive Production Piles (B-674 WB Bent 25) | 4 | 15-Mar-24 | 21-Mar-24 | 11 | 5 @ 8 H, W | Drive Production Piles (B-674 WB Bent 25) | |
| B-674.B25.105 | F/R/P Cap (B-674 WB Bent 25) | 3 | 02-Apr-24 | 04-Apr-24 | 4 | 5@8H,W | F/R/P Cap (B-674 WB Bent 25) | |
| ■ B-674.B25.110 | Cure Cap (B-674 WB Bent 25) | 5 | 04-Apr-24 | 09-Apr-24 | 21 | CURE | □ Cure Cap (B-674 WB Bent 25) | |
| ■ B-674.B25.115 | Strip Cap (B-674 WB Bent 25) | 1 | 05-Apr-24 | 05-Apr-24 | 14 | 5@8H,W | | |
| BENT 26 | | | | | | | | |
| B-674.B26.100 | Drive Production Piles (B-674 WB Bent 26) | 3 | 15-Feb-24 | 20-Feb-24 | 10 | 5@8H,W | Drivé Production Piles (B-674 WB Bent 26) | |
| ■ B-674.B26.105 | F/R/P Cap (B-674 WB Bent 26) | 3 | 28-Mar-24 | 01-Apr-24 | 4 | 5@8H,W | I F/R/P Cap (B-674 WB Bent 26) | |
| ■ B-674.B26.110 | Cure Cap (B-674 WB Bent 26) | 5 | 01-Apr-24 | 06-Apr-24 | 18 | CURE | 1 Cure Cap (B-674 WB Bent 26) | |
| ■ B-674.B26.115 | Strip Cap (B-674 WB Bent 26) | 1 | 02-Apr-24 | 02-Apr-24 | 14 | 5@8H,W | 1 Strip Cap (B-674/WB Bent) 26) | |
| BENT 27 | in the solution and a second | , , , , , , , , , , , , , , , , , , , | | , , | | , , | | |
| B-674.B27.100 | Set Template & Drive Test Pile (B-674 WB Bent 27) | 2 | 13-Feb-24 | 14-Feb-24 | 9 | 5 @ 8 H, W | I Set Template & Drive Test Pile (B-674 WB Bent 27) | |
| B-674.P27.100 | Wait Period for Test Pile (B-674 WB Bent 27) | 5 | 15-Feb-24 | 19-Feb-24 | 15 | CALENDAR DAY (8) | Wait Period for Test Pile (B-674 WB Bent 27) | |
| B-674.P27.105 | Test Pile Re-Strike & Pile Length Det. (B-674 WB Bent 27) | 3 | 19-Feb-24 | 22-Feb-24 | 10 | 5 @ 8 H, W | I Test Pile Re-Strike & Pile Length Det. (B-674,WB Bent 27) | - |
| | | 4 | 08-Mar-24 | 14-Mar-24 | 10 | | Drive Production Piles (B+674 WB Bent27) | : : |
| B-674.P27.110 | Drive Production Piles (B-674 WB Bent 27) | | | | | 5@8H,W | | - |
| B-674.B27.105 | F/R/P Cap (B-674 WB Bent 27) | 3 | 25-Mar-24 | 27-Mar-24 | 4 | 5 @ 8 H, W | - No. 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 | |
| B-674.B27.110 | Cure Cap (B-674 WB Bent 27) | 5 | 27-Mar-24 | 01-Apr-24 | 18 | CURE | Cure Cap (B-674!WB Bent 27) | - |
| B-674.B27.115 | Strip Cap (B-674 WB Bent 27) | 1 | 28-Mar-24 | 28-Mar-24 | 14 | 5 @ 8 H, W | | : : |
| ~~~~ BENT 28 ~~~~ | | | | | | | | - |
| B-674.B28.100 | Drive Production Piles (B-674 WB Bent 28) | 3 | 08-Feb-24 | 12-Feb-24 | 9 | 5@8H,W | | : : |
| B-674.B28.105 | F/R/P Cap (B-674 WB Bent 28) | 3 | 20-Mar-24 | 22-Mar-24 | 4 | 5@8H,W | | |
| ■ B-674.B28.110 | Cure Cap (B-674 WB Bent 28) | 5 | 22-Mar-24 | 27-Mar-24 | 20 | CURE | | |
| B-674.B28.115 | Strip Cap (B-674 WB Bent 28) | 1 | 25-Mar-24 | 25-Mar-24 | 14 | 5@8H,W | | |
| BENT 29 | | | | | | | | |
| ■ B-674.B29.120 | Demolish Deck for New Expansion Joint (B-674 WB Bent 29) | 3 | 22-Jan-24 | 24-Jan-24 | 131 | 5@8H,W | I Demolish Deck for New Expansion Joint (B-674 WB Bent 29) | |
| ■ B-674.B29.125 | Set Expansion Joint/F/R/P Expansion Joint Blockout (B-674 WB Bent 29) | 2 | 25-Jan-24 | 26-Jan-24 | 151 | 5@8H,W | Ii. Set Expansion Joint/F/R/P Expansion Joint Blockout (B-674 WB Bent 29) | |
| ■ B-674.B29.130 | Expansion Joint Blockout Concrete Curing (B-674 WB Bent 29) | 7 | 26-Jan-24 | 02-Feb-24 | 250 | CURE | Expansion Joint Blockout Concrete Curing (B-674 WB Bent 29) | |
| ■ B-674.B29.100 | Set Template & Drive Test Pile (B-674 WB Bent 29) | 2 | 06-Feb-24 | 07-Feb-24 | 9 | 5@8H,W | I Set Template & Drive Test Pile (B-674 WB Bent 29) | |
| ■ B-674.P29.100 | Wait Period for Test Pile (B-674 WB Bent 29) | 5 | 08-Feb-24 | 12-Feb-24 | 14 | CALENDAR DAY (8) | □ Wait Period for Test Pile (B-674 WB Bent 29) | |
| ■ B-674.P29.105 | Test Pile Re-Strike & Pile Length Det. (B-674 WB Bent 29) | 3 | 12-Feb-24 | 15-Feb-24 | 8 | 5@8H,W | I Test Pile Re-Strike & Pile Length Det. (B-674 WB Bent 29) | - |
| ■ B-674.P29.110 | Drive Production Piles (B-674 WB Bent 29) | 4 | 04-Mar-24 | 08-Mar-24 | 8 | 5@8H,W | | |
| B-674.B29.126 | Strip Expansion Joint Blockout (B-674 WB Bent 29) | 1 | 08-Mar-24 | 11-Mar-24 | 123 | 5@8H,W | I Strip Expansion Joint Blockout (B-674 WB Bert 29) | |
| B-674.B29.105 | F/R/P Cap (B-674 WB Bent 29) | 3 | 15-Mar-24 | 19-Mar-24 | 4 | 5@8H,W | ■ F/R/P Cap (B-674 WB Bent 29) | 1 |
| B-674.B29.110 | Cure Cap (B-674 WB Bent 29) | 5 | 19-Mar-24 | 24-Mar-24 | 17 | CURE | ☐ Cure Cap (β-674 WB;Bent 29) | |
| B-674.B29.115 | Strip Cap (B-674 WB Bent 29) | 1 | 20-Mar-24 | 20-Mar-24 | 14 | 5 @ 8 H, W | Chie Cap (8-674 VV) Dent 29) | : : |
| 6-074.B29.115 | July Cap (2-0/4 WD Delit 23) | 1 | 20-ividi-24 | 20-ivid1-24 | 14 | ელი⊓, vv | | |
| | Drive Production Dilec (P. 674 NAID Post 20) | 3 | 01 Fak 24 | OE Fab 34 | 0 | E @ OLI W | 1 Drive Production Piles (B-674 WB Bent 30) | |
| B-674.B30.100 | Drive Production Piles (B-674 WB Bent 30) | 3 | 01-Feb-24 | 05-Feb-24 | 9 | 5@8H,W | - - - - - - - - - - - | 1 |
| B-674.B30.105 | F/R/P Cap (B-674 WB Bent 30) | 3 | 12-Mar-24 | 14-Mar-24 | 4 | 5 @ 8 H, W | I F/R/P Cap (B-674 WB Bent 30) | 1 1 |
| B-674.B30.110 | Cure Cap (B-674 WB Bent 30) | 5 | 14-Mar-24 | 19-Mar-24 | 16 | CURE | □ Cure Cap (B-674 WB Bent 30) | |
| B-674.B30.115 | Strip Cap (B-674 WB Bent 30) | 1 | 15-Mar-24 | 15-Mar-24 | 14 | 5 @ 8 H, W | | |
| 4-Jun-22 -Dec-26 1-Jun-22 -May-22 | Critical Remaining Work Remaining Work Remaining Work Actual Work Actual Level of Effort | Delay/Impact Adverse Weather Additional/Extra Wo | rk | | | (22HH002) | (RPT) BARCHART (11x17) TASK filter: All Activities Page 27 of 41 | |



| | Activity Name | OD | ES | EF | TF | CALENDAR | 2022 | \rightarrow | | | 2023 | | 2024 | | 2025 2026 |
|--|--|---|-------------|-------------|-----|------------------|-----------|---------------|---------|----------|-----------|------|------------------------|-------------------|--|
| | | | | | | | J J A S C | ND | J F N | ΛAM | J J A | SON | D J F M A M J J | A S O N D | J F M A M J J A S O N D J F M A M J J A |
| BENT 31 ~~~~ | | | | | | , | | | - - - | 1.1.1 | | | | | |
| B-674.B31.100 | Set Template & Drive Test Pile (B-674 WB Bent 31) | 2 | 30-Jan-24 | 31-Jan-24 | 7 | 5@8H,W | | | 1 1 | | 1 1 | | | | 674 WB Bent 31) : : : : : : : : : : : : : : : : : : : |
| B-674.P31.100 | Wait Period for Test Pile (B-674 WB Bent 31) | 5 | 01-Feb-24 | 05-Feb-24 | 9 | CALENDAR DAY (8) | | | | | 1 1 | | ■ Wait Period for | est Pile (B-674) | WB Bent 31) |
| B-674.P31.105 | Test Pile Re-Strike & Pile Length Det. (B-674 WB Bent 31) | 3 | 05-Feb-24 | 08-Feb-24 | 7 | 5@8H,W | | | | | 1 1 | | Test Pile Re-Stri | ke & Pile Length | Det. (B-674 WB Bent 31) |
| B-674.P31.110 | Drive Production Piles (B-674 WB Bent 31) | 4 | 26-Feb-24 | 01-Mar-24 | 7 | 5@8H,W | | | | | 1 1 | | Drive Product | ion Piles (B-674 | WB Bent31) |
| ■ B-674.B31.105 | F/R/P Cap (B-674 WB Bent 31) | 3 | 07-Mar-24 | 11-Mar-24 | 4 | 5@8H,W | | | 1 1 | | 1 1 | | F/R/P Cap (I | 3-674 WB Bent | \$1): : : : : : : : : : : : : : : : : : : |
| ■ B-674.B31.110 | Cure Cap (B-674 WB Bent 31) | 5 | 11-Mar-24 | 16-Mar-24 | 16 | CURE | | | 1 1 | 77 77 77 | | | Cure Cap (B | 674 WB Bent 3 | 3 1) : : : : : : : : : : : : : : : : : : : |
| ■ B-674.B31.115 | Strip Cap (B-674 WB Bent 31) | 1 | 12-Mar-24 | 12-Mar-24 | 14 | 5@8H,W | | | 1 1 | | 1 1 | | Strip Cap (B | 674 WB Bent 3 | 1) : : : : : : : : : : : : : : : : : : |
| BENT 32 | | | | | | | | | | | | | | | |
| B-674.B32.100 | Drive Production Piles (B-674 WB Bent 32) | 3 | 25-Jan-24 | 29-Jan-24 | 7 | 5@8H,W | | | 1 1 | | 1 1 | | Drive Production | Piles (B-674 WE | Bent32) |
| B-674.B32.105 | F/R/P Cap (B-674 WB Bent 32) | 3 | 04-Mar-24 | 06-Mar-24 | 4 | 5@8H,W | | | 1 1 | | 1 1 | | F/R/P Cap (B | | |
| B-674.B32.110 | Cure Cap (B-674 WB Bent 32) | 5 | 06-Mar-24 | 11-Mar-24 | 16 | CURE | | | | 1111 | | | Cure Cap (B | | |
| B-674.B32.115 | Strip Cap (B-674 WB Bent 32) | 1 | 07-Mar-24 | 07-Mar-24 | 14 | 5@8H,W | | | | | | | Strip Cap (B- | | |
| B-074.B32.113 | 301pCap(B-074 WB Be18.32) | 1 | 07-IVIAI-24 | 07-IVId1-24 | 14 | 3 @ 6 H, W | | | | | | | 1 Sulpcap(b- | 074 VVB Bent 32 | |
| | Develor Cristian Communication (D. C741M/D Devet 22) | 2 | 1C In 24 | 10 lan 24 | 121 | F @ 0 !! . W | | | | | | | Domolish Frieting | Europeion laint | (D. 674 MD Boot 21) |
| B-674.B33.120 | Demolish Existing Expansion Joint (B-674 WB Bent 33) | 3 | 16-Jan-24 | 18-Jan-24 | 131 | 5@8H,W | | | | | | | | | (B-674 WB Bent 33) |
| B-674.B33.125 | Set Expansion Joint/F/R/P Expansion Joint Blockout (B-674 WB Bent 33) | 2 | 22-Jan-24 | 23-Jan-24 | 153 | 5@8H,W | | | | | | | | | sion Jaint Blockout (B-674 WB Bent 33) |
| B-674.B33.100 | Set Template & Drive Test Pile (B-674 WB Bent 33) | 2 | 23-Jan-24 | 24-Jan-24 | 6 | 5@8H,W | | | | | | | Set Template & D | | |
| ■ B-674.B33.130 | Expansion Joint Blockout Concrete Curing (B-674 WB Bent 33) | 7 | 23-Jan-24 | 30-Jan-24 | 253 | CURE | | | | | | | | 1 1 1 1 1 | e Curing (B-674 WB Bent 33) |
| ■ B-674.P33.100 | Wait Period for Test Pile (B-674 WB Bent 33) | 5 | 25-Jan-24 | 29-Jan-24 | 8 | CALENDAR DAY (8) | | | | | | | Wait Period for To | | |
| B-674.P33.105 | Test Pile Re-Strike & Pile Length Det. (B-674 WB Bent 33) | 3 | 29-Jan-24 | 01-Feb-24 | 6 | 5@8H,W | | | | | | | | | Det. (B+674 WB Bent 33) |
| B-674.P33.110 | Drive Production Piles (B-674 WB Bent 33) | 4 | 15-Feb-24 | 22-Feb-24 | 6 | 5@8H,W | | | | | | | Drive Producti | on Piles (B-674) | WB Bent33) |
| ■ B-674.B33.105 | F/R/P Cap (B-674 WB Bent 33) | 3 | 28-Feb-24 | 01-Mar-24 | 4 | 5@8H,W | | | | | | | ▮ F/R/P Cap (B | 674 WB Bent 3 | \$) |
| B-674.B33.110 | Cure Cap (B-674 WB Bent 33) | 5 | 01-Mar-24 | 06-Mar-24 | 16 | CURE | | | | | 1 1 | | ll Cure Cap (B- | 674 WB Bent 33 | *) : : : : : : : : : : : : : : : : : : |
| B-674.B33.115 | Strip Cap (B-674 WB Bent 33) | 1 | 04-Mar-24 | 04-Mar-24 | 14 | 5@8H,W | | | 1.1 | | 1 1 | | Strip Cap (B- | 74 WB Bent 33 | 3) : : : : : : : : : : : : : : : : : : |
| ■ B-674.B33.126 | Strip Expansion Joint Blockout (B-674 WB Bent 33) | 1 | 07-Mar-24 | 08-Mar-24 | 123 | 5@8H,W | | | 1.1 | | 1 1 | | | ion Joint Blockou | rt (B-674 WB Bent 33) |
| BENT 34 | | | | | | | | | | | | | | | |
| B-674.B34.120 | Demolish Deckfor New Link Slab (B-674 WB Bent 34) | 3 | 11-Jan-24 | 15-Jan-24 | 131 | 5@8H,W | | | | 1 | | ,, | Demolish Deck for | New Link Slab (| B-674 WB Bent 34) |
| ■ B-674.B34.100 | Drive Production Piles (B-674 WB Bent 34) | 3 | 17-Jan-24 | 22-Jan-24 | 6 | 5@8H,W | | : : | 1 1 | | 1 1 | | Drive Production | | 1 |
| B-674.B34.105 | F/R/P Cap (B-674 WB Bent 34) | 3 | 22-Feb-24 | 27-Feb-24 | 4 | 5@8H,W | | | 1 1 | | 1 1 | | F/R/P Cap (B- | | |
| B-674.B34.110 | Cure Cap (B-674 WB Bent 34) | 5 | 27-Feb-24 | 03-Mar-24 | 16 | CURE | | | 1 1 | | 1 1 | | Cure Cap (B- | : : : : : | |
| | | | | | | | | | 1 1 | | 1 1 | | | 74 WB Bent 34 | |
| B-674.B34.115 | Strip Cap (B-674 WB Bent 34) | 1 | 28-Feb-24 | 28-Feb-24 | 14 | 5@8H,W | | | | | | ;;;; | 1 Sulp Cap (B-C | r, r, r | dble: Link Slab(B-674 WB Bent 34) |
| B-674.B34.125 | F/R/P Flexible Link Slab (B-674 WB Bent 34) | 1 | 29-Aug-24 | 29-Aug-24 | 20 | 5@8H,W | | | 1 1 | | 1 1 | | | | |
| B-674.B34.130 | Flexible Link Slab Concrete Curing (B-674 WB Bent 34) | 7 | 29-Aug-24 | 05-Sep-24 | 34 | CURE | | | 1 1 | | 1 1 | | | Flexible L | ink Slab Concrete Curing (B-674 WB Bent 34) |
| BENT 35 | | | | | | | | | 1 1 | | 1 1 | | | | |
| ■ B-674.B35.120 | Demolish Deckfor New Link Slab (B-674 WB Bent 35) | 3 | 08-Jan-24 | 10-Jan-24 | 131 | 5@8H,W | | | 1 1 | | 1 1 | | Demolish Deck for | | |
| B-674.B35.100 | Set Template & Drive Test Pile (B-674 WB Bent 35) | 2 | 15-Jan-24 | 16-Jan-24 | 5 | 5@8H,W | | | | | | | Set Template & Di | ri ri r | |
| B-674.P35.100 | Wait Period for Test Pile (B-674 WB Bent 35) | 5 | 17-Jan-24 | 21-Jan-24 | 8 | CALENDAR DAY (8) | | | 1 1 | | 1 1 | | Wait Period for Te | st Pile (B-674 W | /B Bent 35) |
| ■ B-674.P35.105 | Test Pile Re-Strike & Pile Length Det. (B-674 WB Bent 35) | 3 | 22-Jan-24 | 24-Jan-24 | 6 | 5@8H,W | | | | | 1 1 | | Test Pile Re-Strike | & Pile Length D | et. (B-674 WB Bent 35) |
| ■ B-674.P35.110 | Drive Production Piles (B-674 WB Bent 35) | 4 | 08-Feb-24 | 13-Feb-24 | 6 | 5 @ 8 H, W | | | | | | | Drive Production | n Piles (B-674 V | VB Bent35) |
| ■ B-674.B35.105 | F/R/P Cap (B-674 WB Bent 35) | 3 | 19-Feb-24 | 21-Feb-24 | 4 | 5@8H,W | | | 1 1 | 1 1 1 | | | I F/R/P Cap (B- | 74 WB Bent 35 | \$ |
| B-674.B35.110 | Cure Cap (B-674 WB Bent 35) | 5 | 21-Feb-24 | 26-Feb-24 | 17 | CURE | | | | | | | Cure Cap (B-6 | 74 WB Bent 35) | |
| ■ B-674.B35.115 | Strip Cap (B-674 WB Bent 35) | 1 | 22-Feb-24 | 22-Feb-24 | 14 | 5@8H,W | | | 1111 | 777 | | | Strip Cap (B-6 | 74 WB Bent 35) | |
| ■ B-674.B35.125 | F/R/P Flexible Link Slab (B-674 WB Bent 35) | 1 | 30-Aug-24 | 30-Aug-24 | 20 | 5@8H,W | | | | | | | | F/R/PFle | ible Link Slab (B-674 WB Bent 35) |
| ■ B-674.B35.130 | Flexible Link Slab Concrete Curing (B-674 WB Bent 35) | 7 | 30-Aug-24 | 06-Sep-24 | 33 | CURE | | | | | | | | | ink Slab Concrete Curing (B-674 WB Bent 35) |
| PIER 36 ~~~~ | | | | p = · | | | | | | | | | | | |
| B-674.P36.120 | Demolish Deck for New Expansion Joint (B-674 WB Pier 36) | 3 | 03-Jan-24 | 05-Jan-24 | 131 | 5@8H,W | | | | | | | Demolish Deck for I | lew Expansion | Joint (B-674 WB Pier 36) |
| B-674.P36.100 | Drive Production Piles (B-674 WB Pier 36) | 3 | 10-Jan-24 | 12-Jan-24 | 5 | 5@8H,W | | | | | | | Drive Production P | | |
| B-674.P36.105 | F/R/P Cap (B-674 WB Pier 36) | 3 | 13-Feb-24 | 15-Feb-24 | 4 | 5@8H,W | | | | | | | F/R/P Cap (B-6 | | |
| | | 5 | | | | | | | | | | | 1 Cure Cap (B-6 | | |
| B-674.P36.110 | Cure Cap (B-674 WB Pier 36) | | 15-Feb-24 | 20-Feb-24 | 20 | CURE | | | | | | | | | |
| B-674.P36.115 | Strip Cap (B-674 WB Pier 36) | 1 | 19-Feb-24 | 19-Feb-24 | 14 | 5@8H,W | | | | | | | Strip Cap (B-67 | | Approximate State Display to (D. C7414 D. Display to (D. Displa |
| B-674.P36.125 | Set Expansion Joint/F/R/P Expansion J oint Blockout (B-674 WB Pier 36) | 2 | 04-Mar-24 | 06-Mar-24 | 123 | 5@8H,W | | | | 4-4-4 | | | | | chansion Joint Blockout (B-674 WB Pier B6) |
| B-674.P36.130 | Expansion Joint Blockout Concrete Curing (B-674 WB Pier 36) | 7 | 06-Mar-24 | 13-Mar-24 | 210 | CURE | | | | | | | | | ncreite Curing (B-674 WB Pier 36) |
| B-674.P36.126 | Strip Expansion Joint Blockout (B-674 WB Pier 36) | 1 | 06-Mar-24 | 07-Mar-24 | 123 | 5@8H,W | | | | | | | I Strip Expansi | on Joint Blockou | ıt (B-674 WB Pier 36) |
| PIER 37 | | | | | | | | | | | | | | | |
| ■ B-674.P37.100 | Set Template & Drive Test Pile (B-674 WB Pier 37) | 2 | 08-Jan-24 | 09-Jan-24 | 3 | 5@8H,W | | | | | | | l Set Template & Dri | | |
| ■ B-674.P37.120 | Wait Period for Test Pile (B-674 WB Bent 37) | 5 | 10-Jan-24 | 14-Jan-24 | 4 | CALENDAR DAY (8) | | | 1 1 | <u> </u> | | | Wait Period for Tes | t Pile (B-674 WI | B Bent 37) |
| 24-Jun-22 0-Dec-26 24-Jun-22 1-May-22 | | Delay/Impact Adverse Weather Additional/Extra Wor | | | | (22HH002) | VDOT I | | (11x17 | | K filter: | | SCHEDULE.V | 7 | |



| /ID Activ | ity Name | OD | ES | E⊦ | TF | CALENDAR | 2022 2023 2024 2025 2026 1 1 2 2025 2026 2026 2027 2027 2028 202 |
|-----------------------------|---|--------|-----------|------------------------|----------|------------------|--|
| ■ B-674.P37.125 Test F | Pile Re-Strike & Pile Length Det. (B-674 WB Bent 37) | 3 | 15-Jan-24 | 17-Jan-24 | 4 | 5 @ 8 H, W | I : Test Pile Re-;Strile & Pile Length Det. (B-674 WB Bent 37): |
| | Production Piles (B-674 WB Bent 37) | 4 | 02-Feb-24 | 07-Feb-24 | 4 | 5@8H,W | ☐ Drive Production Piles (B-674 WB Bent 37,) |
| | P Cap (B-674 WB Pier 37) | 3 | 08-Feb-24 | 12-Feb-24 | 4 | 5@8H,W | I F/R/P Caip (B-674 WB Pier 37) |
| | Cap (B-674 WB Pier 37) | 5 | 12-Feb-24 | 17-Feb-24 | 18 | CURE | (β'-674 WB Pier 37) |
| | Cap (B-674 WB Pier 37) | 1 | 13-Feb-24 | 13-Feb-24 | 14 | 5@8H,W | I Strip Cap (B-674 WB Pier 37) |
| ABUTMENT B | | | | | | | |
| B-674.ABB.100 Excav | vate/Install SOE for Foundation Widening/New Wingwall (B-674 WB Abutment B) | 4 | 05-Sep-23 | 08-Sep-23 | 75 | 5@8H,W | I Excavate/Install/SOE for Foundation Widehing/New Wingwall (B-674 WB Abutment B) |
| | P New Wingwall Footing (B-674 WB Abutment B) | 5 | 11-Sep-23 | 15-Sep-23 | 98 | 5@8H,W | II F/R/P New Wingwall Footting (B-674 WB Abbutnent B) |
| | /Strip New Wingwall Footing (B-674 WB Abutment B) | 2 | 18-Sep-23 | 19-Sep-23 | 98 | 5@8H,W | I Cure/Strlp New Wingwall Footing (B-674 WB A butment B) |
| ■ B-674.ABB.103 F/R/F | P New Wingwall Stem (B-674 WB Abutment B) | 8 | 20-Sep-23 | 29-Sep-23 | 98 | 5@8H,W | ☐ F/R/P New Wingwall Stem (B-674 WB Abutment B) |
| , , | Femplate & Drive Test Pile (B-674 WB Abut B) | 2 | 03-Jan-24 | 04-Jan-24 | 4 | 5@8H,W | ■ Set Template & Drive Test Pile (B-67/4 WB Abut B) |
| | Period for Test Pile (B-674 WB Abut B) | 5 | 05-Jan-24 | 09-Jan-24 | 6 | CALENDAR DAY (8) | 1 Wait Period for Test Pile (B-674 WB Abut B) |
| | Pile Re-Strike & Pile Length Det. (B-674 WB Abut B) | 3 | 09-Jan-24 | 12-Jan-24 | 4 | 5@8H,W | Test Pile Re-Strike & Pile Length Det. (B-674 WB Abut B) Test Pile Re-Strike & Pile Length Det. (B-674 WB Abut B) |
| | Production Piles (B-674 WB Abut B) | 4 | 29-Jan-24 | 02-Feb-24 | 4 | 5@8H,W | Drive Production Piles (B-674;WB Abut;B) |
| | P Cap (B-674 WB Abutment B) | 3 | 02-Feb-24 | 07-Feb-24 | 4 | 5@8H,W | |
| | | 2 | 1 | 07-Feb-24 09-Feb-24 | 6 | | Strip Cap (B-674 Abutment B) |
| | Cap (B-674 Abutment B) | | 07-Feb-24 | | - | 5@8H,W | |
| | P Stem/Wall Extension/Cure Cap (B-674 WB Abutment B) | 8 | 09-Feb-24 | 22-Feb-24 | 6 | 5 @ 8 H, W | F/R/P Stem/Wall Extension/Cure Cap (B-674 WB Abuttment B) |
| | Stem/Wall (B-674 WB Abutment B) | 2 | 22-Feb-24 | 24-Feb-24 | 11 | CURE | Cure Stem/Wall (B-674 WB Albutment B) |
| | Stem/Wall (B-674 WB Abutment B) | 1 | 22-Feb-24 | 26-Feb-24 | 7 | 5@8H,W | [Strip Stern/Wall (B-674/WBA butment B) |
| | e Structure Backfill (B-674 WB Abutment B) | 2 | 26-Feb-24 | 28-Feb-24 | 126 | 5@8H,W | ┃ Place Structure Backfill (B-674 WB Abutment B) |
| page 1 | vate/Install SOE/Perform Buried Approach Slab Backwall Retrofit/F/R/P Approach Slab (B-674 | 10 | 28-Feb-24 | 13-Mar-24 | 126 | 5@8H,W | Excavate/Install SQE/Perform Buried Approach Slab Backwall Retrofit/F/R/P Approach Slab (B-6 |
| +++++ SUPERSTRUCTURE +++++ | | | | | | | |
| SPAN A | | | | | | | |
| B-674.SPA.100 Demo | olish/Remove Barrier/Soundwall/Portion of Existing Deck (B-674 WB Span A) | 2 | 01-May-24 | 02-May-24 | 34 | 5@8H,W | Demolish/Remove Barlier/Soundwall/Portion of Existing Deak (B-674 WB Span A) |
| B-674.SPA.110 Erect | t Precast Concrete Beams for Widening (B-674 WB Span A) | 1 | 15-Aug-24 | 15-Aug-24 | 4 | 5@8H,W | I Erect Precast Concrete Beams for Widening (B-674 WB Span A) |
| B-674.SPA.115 Set C | Overhangs (B-674 WB Span A) | 1 | 16-Aug-24 | 16-Aug-24 | 4 | 5@8H,W | I Set Overhangs (B-674 WB Span A) |
| B-674.SPA.120 Set D | Deck Pans (B-674 WB Span A) | 1 | 20-Aug-24 | 20-Aug-24 | 4 | 5@8H,W | I Set Deck Pans (B-674 W/B Span A) |
| B-674.SPA.125 Place | e Deck Rebar (B-674 WB Span A) | 3 | 21-Aug-24 | 23-Aug-24 | 4 | 5@8H,W | I Placé Déck Rebar (B-674 WB Span A) |
| B-674.SPA.145 Setur | p Bidwell/Place Deck (B-674 WB Span A) | 2 | 26-Aug-24 | 27-Aug-24 | 4 | BRIDGE DECK | Il Setup Biotwell/Place Deck (8-674/WB Span A) |
| B-674.SPA.150 Bridg | ge Deck Curing (B-674 WB Span A) | 7 | 27-Aug-24 | 03-Sep-24 | 7 | CURE | ■ Bridge Deck Curing (B-674 WB Span A) |
| | p Temporary Jacking/Support System (B-674 WB Span A) | 1 | 03-Sep-24 | 03-Sep-24 | 21 | 5@8H,W | Setup Temporary Jacking/Support System (B-674 WB Span A) |
| | P Bridge Barrier (B-674 WB Span A) | 4 | 03-Sep-24 | 09-Sep-24 | 5 | 5@8H,W | 1 ;F/R/P:BridgeBarrièr (B-674WB;SpanA) |
| | Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span A) | 6 | 04-Sep-24 | 11-Sep-24 | 21 | 5@8H,W | 1 Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span |
| | /Strip Bridge Barrier (B-674 WB Span A) | 5 | 09-Sep-24 | 14-Sep-24 | 6 | CURE | Cure/Strip Bridge Barrier (B-674 WB Span A) |
| | ove Overhangs (B-674 WB Span A) | 2 | 16-Sep-24 | 17-Sep-24 | 17 | 5 @ 8 H, W | I Remove Overhangs (B-674 WB Span A) |
| SPAN B | ove overhality (b 074 was spains) | | 10 3cp 24 | 17 3cp 24 | 1, | 3@01i, W | |
| | colich/Domero Barriar/Coundry II / Portion of Existing Dock/D 674 WD Coan B) | 3 | 25 Apr 24 | 20 Apr 24 | 22 | F @ Q H W | □ Demolish/Remove Bartier/Soundwall/Portion of Existing Deck (B:674 WB Span B) |
| | olish/Remove Barrier/Soundwall/Portion of Existing Deck (B-674 WB Span B) | 1 | 25-Apr-24 | 30-Apr-24 | 32 12 | 5@8H,W | ■ Erect Precast Concrete Beams for Widehing (B-674 WB.Span B) |
| | t Precast Concrete Beams for Widening (B-674 WB Span B) | | 30-Jul-24 | 31-Jul-24 | | 5@8H,W | |
| | Overhangs (B-674 WB Span B) | 1 | 31-Jul-24 | 01-Aug-24 | 12 | 5 @ 8 H, W | \$et Overhands (B-674 WB Span B) |
| | Deck Pans (B-674 WB Span B) | 1 | 01-Aug-24 | 02-Aug-24 | 12 | 5 @ 8 H, W | \$et Deck Pans (8-674 WB Span B) |
| | e Deck Rebar (B-674 WB Span B) | 3 | 09-Aug-24 | 14-Aug-24 | 7 | 5@8H,W | , □ Place Deck Rebar (β-674,WB Span B) |
| | p Bidwell/Place Deck (B-674 WB Span B) | 2 | 14-Aug-24 | 16-Aug-24 | 12 | BRIDGE DECK | I Setup Bidwell/Place Deck (B-674 WB Span B) |
| B-674.SPB.150 Bridg | ge Deck Curing (B-674 WB Span B) | 7 | 16-Aug-24 | 23-Aug-24 | 20 | CURE | D Biridge Deck Curing (B-674 WB Span B) |
| ■ B-674.SPB.155 F/R/F | P Bridge Barrier (B-674 WB Span B) | 4 | 20-Aug-24 | 26-Aug-24 | 14 | 5 @ 8 H, W | II F/R/P Bridge Barrier (B-674WB SpanB) |
| ■ B-674.SPB.130 Setup | p Temporary Jacking/Support System (B-674 WB Span B) | 1 | 22-Aug-24 | 22-Aug-24 | 21 | 5@8H,W | l Setup Temporary Jacking/Support System (B-674 WB Span B) |
| B-674.SPB.135 Jack S | Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span B) | 6 | 23-Aug-24 | 30-Aug-24 | 21 | 5@8H,W | Di Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span |
| B-674.SPB.160 Cure/ | /Strip Bridge Barrier (B-674 WB Span B) | 5 | 26-Aug-24 | 31-Aug-24 | 20 | CURE | Cure/Strip Bridge Barrier (B-674 WB Span B) |
| B-674.SPB.140 Remo | ove Overhangs (B-674 WB Span B) | 2 | 03-Sep-24 | 04-Sep-24 | 24 | 5@8H,W | 1 Remove Overhangs (B÷67/4 WB \$pain B) |
| SPAN C | | | | | | | |
| B-674.SPC.100 Demo | olish/Remove Barrier/Soundwall/Portion of Existing Deck (B-674 WB Span C) | 2 | 23-Apr-24 | 24-Apr-24 | 32 | 5@8H,W | l Demolish/Remove Barrier/Soundwall/Portion of Existing Deck (B-674 WB Span C) |
| ■ B-674.SPC.110 Erect | t Precast Concrete Beams for Widening (B-674 WB Span C) | 1 | 29-Jul-24 | 29-Jul-24 | 11 | 5@8H,W | Erect Precast Concrete Beams for Widening (B-674 WB Span C) |
| | Overhangs (B-674 WB Span C) | 1 | 30-Jul-24 | 30-Jul-24 | 11 | 5@8H,W | |
| | Deck Pans (B-674 WB Span C) | 1 | 31-Jul-24 | 31-Jul-24 | 11 | 5@8H,W | |
| | e Deck Rebar (B-674 WB Span C) | 3 | 06-Aug-24 | 09-Aug-24 | 7 | 5@8H,W | Place Deck Rebar (B-674 WB Span C) |
| | p Bidwell/Place Deck (B-674 WB Span C) | 2 | 09-Aug-24 | 13-Aug-24 | 15 | BRIDGE DECK | Setup Bidwell/Place Deck (B-674 WB Span C) |
| | | 1 | | | 21 | | Setup Browshi / Have Deck (04-074-WB Span R) Setup Temporary Jacking/Support System (B-674-WB Span C) |
| B-0/4.3FC.130 Setup | p Temporary Jacking/Support System (B-674 WB Span C) | 1 | 12-Aug-24 | 12-Aug-24 | 21 | 5 @ 8 H, W | i · · · · · · · · · · · · · · · · · |
| : 10-Dec-26 a: 24-Jun-22 | tical Remaining Work Changed Work Delay/Impa maining Work Remaining Level of Effort Adverse We tual Work Actual Level of Effort Additional/ | eather | rk | | | (22HH002) | VDOT I-64 SEGMENT 4C BID SCHEDULE.V7 (RPT) BARCHART (11x17) TASK filter: All Activities Page 29 of 41 |



| D | Activity Name | OD | ES | EF | TF | CALENDAR | |
|-------------------|---|--------------------------|-----------|------------------------|----|-------------|---|
| | | | 40 | 24 : : : | | | |
| B-674.SPC.135 | Jack Span/Clean Pedestal s/Perform Repairs/Replace Bearings (B-674 WB Span C) | 6 | 13-Aug-24 | 21-Aug-24 | 21 | 5@8H,W | |
| B-674.SPC.150 | Bridge Deck Curing (B-674 WB Span C) | 7 | 13-Aug-24 | 20-Aug-24 | 23 | CURE | □ Bridge Deck Curing (B-674 WB/Span C) |
| B-674.SPC.155 | F/R/P Bridge Barrier (B-674 WB Span C) | 4 | 14-Aug-24 | 21-Aug-24 | 16 | 5@8H,W | |
| B-674.SPC.160 | Cure/Strip Bridge Barrier (B-674 WB Span C) | 5 | 21-Aug-24 | 26-Aug-24 | 25 | CURE | ☐ Cure/Strip Bridge Barrier (B-674 WB Span C) |
| B-674.SPC.140 | Remove Overhangs (B-674 WB Span C) | 2 | 26-Aug-24 | 28-Aug-24 | 26 | 5@8H,W | Ii. Remove Overhangs (B-674 WB Span C) |
| ~~~~ SPAN D ~~~~ | | | | | | | |
| B-674.SPD.100 | Demolish/Remove Barrier/Soundwall/Portion of Existing Deck (B-674 WB Span D) | 2 | 19-Apr-24 | 22-Apr-24 | 31 | 5@8H,W | I: Demolish/Remove Barrier/Soundwal/Portion of Existing Deck (B-674 WB Span D) |
| B-674.SPD.110 | Erect Precast Concrete Beams for Widening (B-674 WB Span D) | 1 | 22-Jul-24 | 22-Jul-24 | 13 | 5@8H,W | I Erect Precast Concrete Beams for Widening (B-674 WB Span D) |
| B-674.SPD.115 | Set Overhangs (B-674 WB Span D) | 1 | 23-Jul-24 | 23-Jul-24 | 13 | 5@8H,W | I Set Overhangs (B-674 WB Span D) |
| ■ B-674.SPD.120 | Set Deck Pans (B-674 WB Span D) | 1 | 24-Jul-24 | 24-Jul-24 | 13 | 5@8H,W | Set Deck Pans (B-674 WB Span D) |
| ■ B-674.SPD.130 | Setup Temporary Jacking/Support System (B-674 WB Span D) | 1 | 01-Aug-24 | 01-Aug-24 | 21 | 5@8H,W | [|
| B-674.SPD.125 | Place Deck Rebar (B-674 WB Span D) | 3 | 01-Aug-24 | 06-Aug-24 | 7 | 5@8H,W | |
| B-674.SPD.135 | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span D) | 6 | 02-Aug-24 | 09-Aug-24 | 21 | 5@8H,W | |
| B-674.SPD.145 | | 2 | | 08-Aug-24 | 18 | BRIDGE DECK | |
| | Setup Bidwell/Place Deck (B-674 WB Span D) | | 06-Aug-24 | _ | | | |
| B-674.SPD.150 | Bridge Deck Curing (B-674 WB Span D) | 7 | 08-Aug-24 | 15-Aug-24 | 28 | CURE | Bridge Deck Curing (B-674 WB Span D) |
| B-674.SPD.155 | F/R/P Bridge Barrier (B-674WB Span D) | 4 | 12-Aug-24 | 16-Aug-24 | 18 | 5@8H,W | - |
| B-674.SPD.160 | Cure/Strip Bridge Barrier (B-674 WB Span D) | 5 | 16-Aug-24 | 21-Aug-24 | 30 | CURE | Cure/Strip Bridge (Barrier (Bi-674 WB Span D) |
| B-674.SPD.140 | Remove Overhangs (B-674 WB Span D) | 2 | 22-Aug-24 | 23-Aug-24 | 27 | 5@8H,W | |
| ~~~~ SPAN E ~~~~ | | | | | | | |
| B-674.SPE.100 | Demolish/Remove Barrier/Soundwall/Portion of Existing Deck (B-674 WB Span E) | 3 | 16-Apr-24 | 18-Apr-24 | 31 | 5@8H,W | l Demolish/Remove Barrier/\$oundwall/Portion of Existing Deck (B-674 WB Span E) |
| ■ B-674.SPE.110 | Erect Precast Concrete Beams for Widening (B-674 WB Span E) | 1 | 16-Jul-24 | 17-Jul-24 | 12 | 5@8H,W | I Erect Precast Concrete Beams for Widening (B-674 WB Span E) |
| ■ B-674.SPE.115 | Set Overhangs (B-674 WB Span E) | 1 | 17-Jul-24 | 18-Jul-24 | 12 | 5@8H,W | I Set Overhangs (B-674 WB Span E) |
| ■ B-674.SPE.120 | Set Deck Pans (B-674 WB Span E) | 1 | 18-Jul-24 | 22-Jul-24 | 12 | 5@8H,W | |
| ■ B-674.SPE.130 | Setup Temporary Jacking/Support System (B-674 WB Span E) | 1 | 23-Jul-24 | 23-Jul-24 | 21 | 5@8H,W | |
| ■ B-674.SPE.135 | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span E) | 6 | 24-Jul-24 | 31-Jul-24 | 21 | 5@8H,W | |
| B-674.SPE.125 | Place Deck Rebar (B-674 WB Span E) | 3 | 29-Jul-24 | 01-Aug-24 | 7 | 5@8H,W | |
| B-674.SPE.145 | Setup Bidwell/Place Deck (B-674 WB Span E) | 2 | 01-Aug-24 | 05-Aug-24 | 21 | BRIDGE DECK | |
| | | 7 | | _ | | CURE | |
| B-674.SPE.150 | Bridge Deck Curing (B-674 WB Span E) | | 05-Aug-24 | 12-Aug-24 | 31 | | Bridge Deck Curing (B-674 WB Span E) |
| B-674.SPE.155 | F/R/P Bridge B arrier (B-674WB SpanE) | 4 | 07-Aug-24 | 13-Aug-24 | 21 | 5@8H,W | |
| B-674.SPE.160 | Cure/Strip Bridge Barrier (B-674 WB Span E) | 5 | 13-Aug-24 | 18-Aug-24 | 33 | CURE | Cure/Strip Bridge Barrier (B-674 WB \$pan E) |
| B-674.SPE.140 | Remove Overhangs (B-674 WB Span E) | 2 | 20-Aug-24 | 21-Aug-24 | 27 | 5@8H,W | |
| ~~~~ SPAN F ~~~~ | | | 1 | | | | |
| B-674.SPF.100 | Demolish/Remove Barrier/Soundwall/Portion of Existing Deck (B-674 WB Span F) | 3 | 10-Apr-24 | 12-Apr-24 | 31 | 5@8H,W | I Demolish/Remove Barrier/Soundwall/Portion of Existing Deck (β-674 WB Span F) |
| B-674.SPF.130 | Setup Temporary Jacking/Support System (B-674 WB Span F) | 1 | 11-Jul-24 | 11-Jul-24 | 21 | 5@8H,W | |
| B-674.SPF.135 | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span F) | 6 | 12-Jul-24 | 22-Jul-24 | 21 | 5@8H,W | □ Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span |
| ■ B-674.SPF.110 | Erect Precast Concrete Beams for Widening (B-674 WB Span F) | 1 | 15-Jul-24 | 15-Jul-24 | 11 | 5@8H,W | I Erect Precast Concrete Bearns for Widening (B-674 WB Span F) |
| ■ B-674.SPF.115 | Set Overhangs (B-674 WB Span F) | 1 | 16-Jul-24 | 16-Jul-24 | 11 | 5@8H,W | I Set Overhangs (B-674 WB Span F) |
| ■ B-674.SPF.120 | Set Deck Pans (B-674 WB Span F) | 1 | 17-Jul-24 | 17-Jul-24 | 11 | 5@8H,W | |
| B-674.SPF.125 | Place Deck Rebar (B-674 WB Span F) | 3 | 24-Jul-24 | 29-Jul-24 | 7 | 5@8H,W | |
| B-674.SPF.145 | Setup Bidwell/Place Deck (B-674 WB Span F) | 2 | 29-Jul-24 | 31-Jul-24 | 24 | BRIDGE DECK | |
| B-674.SPF.150 | | 7 | | | | CURE | I Bridge Deck Curing (B-674 WB Span F) |
| | Bridge Deck Curing (B-674 WB Span F) | | 31-Jul-24 | 07-Aug-24 | 36 | | |
| B-674.SPF.155 | F/R/P Bridge Barrier (B-674 WB SpanF) | 4 | 02-Aug-24 | 08-Aug-24 | 24 | 5@8H,W | |
| B-674.SPF.160 | Cure/Strip Bridge Barrier (B-674 WB Span F) | 5 | 08-Aug-24 | 13-Aug-24 | 38 | CURE | ☐ Cure/Strip Bridge Barrier (B-674 WB Span F) |
| B-674.SPF.140 | Remove Overhangs (B-674 WB Span F) | 2 | 14-Aug-24 | 15-Aug-24 | 28 | 5@8H,W | Remove Overhangs (B-674 WB Span F) |
| ~~~~ SPAN G ~~~~ | | | | | | | |
| B-674.SPG.100 | Demolish/Remove Barrier/Soundwall/Portion of Existing Deck (B-674 WB Span G) | 3 | 04-Apr-24 | 09-Apr-24 | 31 | 5@8H,W | □ Demolish/Remove Barrier/Soundwal //Portion of Existing Deck (β-674 WB Span G) |
| B-674.SPG.130 | Setup Temporary Jacking/Support System (B-674 WB Span G) | 1 | 01-Jul-24 | 01-Jul-24 | 21 | 5@8H,W | Setup Temporary Jacking/Support System (B-674 WB Spari G) |
| ■ B-674.SPG.135 | Jack Span/Clean Pedestal s/Perform Repairs/Replace Bearings (B-674 WB Span G) | 6 | 02-Jul-24 | 10-Jul-24 | 21 | 5@8H,W | ☐ Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span Clean Pedestals/Perform Repairs/Replace Bearings) |
| ■ B-674.SPG.110 | Erect Precast Concrete Beams for Widening (B-674 WB Span G) | 1 | 08-Jul-24 | 08-Jul-24 | 13 | 5@8H,W | |
| ■ B-674.SPG.115 | Set Overhangs (B-674 WB Span G) | 1 | 09-Jul-24 | 09-Jul-24 | 13 | 5@8H,W | |
| B-674.SPG.120 | Set Deck Pans (B-674 WB Span G) | 1 | 10-Jul-24 | 10-Jul-24 | 13 | 5@8H,W | |
| B-674.SPG.125 | Place Deck Rebar (B-674 WB Span G) | 3 | 18-Jul-24 | 24-Jul-24 | 7 | 5@8H,W | |
| B-674.SPG.145 | | 2 | 24-Jul-24 | 24-Jul-24 26-Jul-24 | 27 | BRIDGE DECK | |
| | Setup Bidwell/Place Deck (B-674 WB Span G) | 7 | | | | | |
| B-674.SPG.150 | Bridge Deck Curing (B-674 WB Span G) | • | 26-Jul-24 | 02-Aug-24 | 41 | CURE | Bridge Deck Quring (B-674 WB Span G) Frid (P Dede-Deck Quring (B-674 WB Span G)) |
| B-674.SPG.155 | F/R/P Bridge B arrier (B-674WB SpanG) | 4 | 30-Jul-24 | 05-Aug-24 | 28 | 5@8H,W | |
| B-674.SPG.160 | Cure/Strip Bridge Barrier (B-674 WB Span G) | 5 | 05-Aug-24 | 10-Aug-24 | 41 | CURE | ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; |
| Dec-26 -Jun-22 | Remaining Work Remaining Level of Effort Adve | y/Impact erse Weather | | | | (22HH002 | 002) VDOT I-64 SEGMENT 4C BID SCHEDULE.V7 (RPT) BARCHART (11x17) TASK filter: All Activities |
| May-22 | Actual Work Actual Level of Effort Addit | tional/Extra Wor | rk | | | | Page 30 of 41 |



| D | Activity Name | OD | ES | EF | TF | CALENDAR | 2022 2023 2024 2025 2026 2026 2026 2026 2026 2027 2028 2028 2028 2028 2028 2028 2028 |
|---|--|--|--------------------------|-------------------------|----|---------------------------|---|
| ■ B-674.SPG.140 | Remove Overhangs (B-674 WB Span G) | 2 | 12-Aug-24 | 13-Aug-24 | 28 | 5 @ 8 H, W | |
| SPAN H | Terriore overhality (b. 674 Wb Sparrey | | 12 / 106 24 | 15 / tug 24 | 20 | 3 @ 011, ** | |
| B-674.SPH.100 | Demolish/Remove Barrier/Soundwall/Portion of Existing Deck (B-674 WB Span H) | 3 | 01-Apr-24 | 03-Apr-24 | 31 | 5 @ 8 H, W | Demolish/Remove Barrier/Soundwall/Portion of Existing Deck (B-674 WB Span H) |
| B-674.SPH.130 | Setup Temporary Jacking/Support System (B-674 WB Span H) | 1 | 19-Jun-24 | 19-Jun-24 | 21 | 5@8H,W | Setup Temporary Jacking/Support System (B-674 WB Span H) |
| B-674.SPH.135 | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span H) | 6 | 20-Jun-24 | 28-Jun-24 | 21 | 5@8H,W | Jack/Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span |
| B-674.SPH.110 | Erect Precast Concrete Beams for Widening (B-674 WB Span H) | 1 | 02-Jul-24 | 03-Jul-24 | 12 | 5@8H,W | Frect Precast Concrete Beams for Widening (B-674 WB Span H) |
| B-674.SPH.115 | Set Overhangs (B-674 WB Span H) | 1 | 03-Jul-24 | 05-Jul-24 | 12 | 5@8H,W | 1 Set Overhangs (B-674,WB Span;H) |
| B-674.SPH.120 | Set Deck Pans (B-674 WB Span H) | 1 | 05-Jul-24 | 08-Jul-24 | 12 | 5@8H,W | Set Deck Paris (B-674 WB Span H) |
| B-674.SPH.125 | Place Deck Rebar (B-674 WB Span H) | 3 | 15-Jul-24 | 18-Jul-24 | 7 | 5@8H,W | Place Deck Rebar (B-674 WB Span H) |
| B-674.SPH.145 | Setup Bidwell/Place Deck (B-674 WB Span H) | 2 | 18-Jul-24 | 23-Jul-24 | 30 | BRIDGE DECK | Setup Bidwell/Place Deck (B-674 WB Span H) |
| B-674.SPH.150 | Bridge Deck Curing (B-674 WB Span H) | 7 | 23-Jul-24 | 30-Jul-24 | 44 | CURE | D Bridge Deck Quring (B-674;WB SpartH) |
| B-674.SPH.155 | F/R/P Bridge Barrier (B-674WB SpanH) | 4 | 25-Jul-24 | 31-Jul-24 | 30 | 5 @ 8 H, W | □ F/R/P Bridge Batrier (B-67,4 WB SpanH) |
| B-674.SPH.160 | Cure/Strip Bridge Barrier (B-674 WB Span H) | 5 | 31-Jul-24 | 05-Aug-24 | 46 | CURE | Cure/Strip Bridge Barrier (B-674 WB Span H) |
| B-674.SPH.140 | Remove Overhangs (B-674 WB Span H) | 2 | 05-Aug-24 | 07-Aug-24 | 30 | 5 @ 8 H, W | Remove Overhangs (B-674 WB Span H) |
| SPAN I~~~~ | Terriore overlangs to 674 WB Spairty | - | 03 / ldg 24 | 07 / tug 24 | 30 | 3 @ 011, ** | |
| B-674.SPI.100 | Demolish/Remove Barrier/Soundwall/Portion of Existing Deck (B-674 WB Span I) | 3 | 27-Mar-24 | 29-Mar-24 | 29 | 5 @ 8 H, W | Dernolish/Remove Barrier/Soundwall/Portion of Existing Deck (B-674 WB Span I) |
| B-674.SPI.130 | Setup Temporary Jacking/Support System (B-674 WB Span I) | 1 | 10-Jun-24 | 10-Jun-24 | 21 | 5@8H,W | |
| B-674.SPI.135 | JackSpan/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span I) | 6 | 10-Jun-24 | 18-Jun-24 | 21 | 5 @ 8 H, W | Jack Spain/Clean Pedestalls/Perform Repairs/Replace Bearings (B-674.WB Span I) |
| B-674.SPI.110 | Erect Precast Concrete Beams for Widening (B-674 WB Span I) | 1 | 01-Jul-24 | 01-Jul-24 | 11 | 5 @ 8 H, W | Erect Precast Concrete Beams for Widening (B-674 WB Span I) |
| ■ B-674.SPI.115 | Set Overhangs (B-674 WB Span I) | 1 | 01-Jul-24 02-Jul-24 | 01-Jul-24 02-Jul-24 | 11 | 5 @ 8 H, W | \$et Overhangs (B-674 WB Spani) |
| B-674.SPI.113 | Set Deck Pans (B-674 WB Span I) | 1 | 02-Jul-24 03-Jul-24 | 03-Jul-24 | 11 | 5 @ 8 H, W | Set Deck Pans (B-674 WB:Span I) |
| B-674.SPI.125 | Place Deck Rebar (B-674 WB Span I) | 3 | 10-Jul-24 | 15-Jul-24 | 7 | 5 @ 8 H, W | I Place; Deck Rebar (B-674; WB Spant) |
| B-674.SPI.145 | Setup Bidwell/Place Deck (B-674 WB Span I) | 2 | 15-Jul-24 | 13-Jul-24 17-Jul-24 | 31 | BRIDGE DECK | Setup Bidwell/Place Deck (B-674 WB/Span I) |
| B-674.SPI.150 | Bridge Deck Curing (B-674 WB Span I) | 7 | 17-Jul-24 | 24-Jul-24 | 49 | CURE | Bridge Deck Curing (B-674 WB Span I) |
| B-674.SPI.155 | F/R/P Bridge Barrier (B-674 WB Spant) | 4 | 18-Jul-24 | 25-Jul-24 | 32 | 5 @ 8 H, W | □ F/R/P Bridge Barrier (B-674 WB Spant) |
| B-674.SPI.160 | Cure/Strip Bridge Barrier (B-674 WB Span I) | 5 | 25-Jul-24 | 30-Jul-24 | 49 | CURE | Cure/Strip Bridge Barrier (B-674 WB Span I) |
| B-674.SPI.140 | Remove Overhangs (B-674 WB Span I) | 2 | 31-Jul-24 | 01-Aug-24 | 32 | 5 @ 8 H, W | Remove Overhangs (B:674 WB Span I) |
| SPAN J | Nemove Overhangs (15-074 Wib Sparri) | | 31-301-24 | 01-Aug-24 | 32 | 3 @ 811, VV | |
| B-674.SPJ.100 | Demolish/Remove Barrier/Porti on of Existing Deck (B-674 WB Span J) | 2 | 25-Mar-24 | 26-Mar-24 | 29 | 5 @ 8 H, W | Demolish/Remove Barrier/Portion of Existing Deck (B-674 WB Span J) |
| B-674.SPJ.130 | Setup Temporary Jacking/Support System (B-674 WB Span J) | 1 | 30-May-24 | 30-May-24 | 21 | 5 @ 8 H, W | Setup Temporary Jacking/Support System (B-674 WB Spari J) |
| ■ B-674.SPJ.135 | JackSpan/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span J) | 6 | 31-May-24 | 07-Jun-24 | 21 | 5 @ 8 H, W | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-67,4 WB Span J) |
| ■ B-674.SPJ.110 | Erect Precast Concrete Beams for Widening (B-674 WB Span J) | 1 | 24-Jun-24 | 24-Jun-24 | 13 | 5 @ 8 H, W | l Erect Precast Concrete Beams for Wildering (B-674 WB Spain J) |
| B-674.SPJ.115 | Set Overhangs (B-674 WB Span J) | 1 | 25-Jun-24 | 25-Jun-24 | 13 | 5 @ 8 H, W | Set Overhangs (B-674 WB\Span J) |
| B-674.SPJ.120 | Set Deck Pans (B-674 WB Span J) | 1 | 25-Jun-24 26-Jun-24 | 26-Jun-24 | 13 | 5@8H,W | Set Deck Pans (B-674 WB Span J) |
| ■ B-674.SPJ.125 | Place Deck Rebar (B-674 WB Span J) | 3 | 05-Jul-24 | 10-Jul-24 | 7 | 5@8H,W | Place Deck Rebar (B-674 WB Span J) |
| B-674.SPJ.145 | Setup Bidwell/Place Deck (B-674 WB Span J) | 2 | 10-Jul-24 | 10-Jul-24 12-Jul-24 | 32 | BRIDGE DECK | Setup Bidwell/Place Deck (B:-674 WB Span J) |
| B-674.SPJ.150 | | 7 | 10-Jul-24 12-Jul-24 | 12-Jul-24 19-Jul-24 | 48 | CURE | Bridge Deck Cyring (B-674 WB/Span J) |
| B-674.SPJ.155 | Bridge Deck Curing (B-674 WB Span J) F/R/P Bridge Barrier (B-674 WB Span J) | 4 | 15-Jul-24 | 22-Jul-24 | 33 | 5 @ 8 H, W | □ F/R/P Bridge Barrier (B-674WB SpanJ) |
| ■ B-674.SPJ.160 | Cure/Strip Bridge Barrier (B-674 WB Span J) | 5 | 22-Jul-24 | 27-Jul-24 27-Jul-24 | 48 | CURE | © Cure/Strip Bridge Barrier (B-674 WB Span J) |
| ■ B-674.SPJ.160 ■ B-674.SPJ.140 | Remove Overhangs (B-674 WB Span J) | 2 | 22-Jul-24 29-Jul-24 | 30-Jul-24 | 32 | 5 @ 8 H, W | Remove Overhangs (B-674 WB Span J) |
| B-674.SPJ.140 | nemove overnangs (0-0/4 and sharr) | | 2.3-Jul-24 | JU-JUI-24 | 34 | J @ o ⊓, vv | Then the state of |
| B-674.SPK.100 | Demolish/Remove Barrier/Porti on of Existing Deck (B-674 WB Span K) | 2 | 21-Mar-24 | 22-Mar-24 | 29 | 5 @ 8 H, W | Demolish/Remove Barrier/Porti on of Existing Deck (B-674 WB Span K) |
| ■ B-674.SPK.130 | Setup Temporary Jacking/Support System (B-674 WB Span K) | 1 | 21-Iviai-24 20-May-24 | 20-May-24 | 29 | 5 @ 8 H, W | Setup Temporary Jacking / Support System (8-674 WB Span K) |
| ■ B-674.SPK.130 ■ B-674.SPK.135 | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span K) | 6 | 20-iviay-24 21-May-24 | 20-May-24 29-May-24 | 21 | 5 @ 8 H, W | JackSpan/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span K) |
| B-674.SPK.110 | Erect Precast Concrete Beams for Widening (B-674 WB Span K) | 1 | 18-Jun-24 | 19-Jun-24 | 12 | 5 @ 8 H, W | I Erect Precast Condrete Beams for Widening (B-674 WB Span K) |
| ■ B-674.SPK.110 ■ B-674.SPK.115 | Set Overhangs (B-674 WB Span K) | 1 | 18-Jun-24 19-Jun-24 | 19-Juri-24 20-Jun-24 | 12 | 5 @ 8 H, W | Set Overhangs (Β-674 WB Span K) |
| ■ B-674.SPK.115 ■ B-674.SPK.120 | | 1 | 19-Jun-24 20-Jun-24 | 20-Juri-24 24-Jun-24 | 12 | | Set Overnaligs (b-67# WB Span K) |
| B-674.SPK.125 | Set Deck Pans (B-674 WB Span K) Place Deck Rebar (B-674 WB Span K) | 3 | 20-Jun-24 01-Jul-24 | 24-Juri-24 05-Jul-24 | 7 | 5@8H,W | Place Deck Rebar (B-674 WB/Span K) |
| ■ B-674.SPK.125 ■ B-674.SPK.145 | Setup Bidwell/Place Deck (B-674 WB Span K) | 2 | 01-Jul-24 05-Jul-24 | 05-Jul-24 09-Jul-24 | 34 | 5 @ 8 H, W BRIDGE DECK | Setup Bidwell/Place Deck (B-674 WB Span K) |
| ■ B-674.SPK.145 ■ B-674.SPK.150 | Bridge Deck Curing (B-674 WB Span K) | 7 | 05-Jul-24 09-Jul-24 | 16-Jul-24 | 50 | CURE | Bridge Deck Curing (B-674 WB Span K) Bridge Deck Curing (B-674 WB Span K) |
| ■ B-674.SPK.150 ■ B-674.SPK.155 | | 4 | 11-Jul-24 | 16-Jul-24 17-Jul-24 | 33 | | □ F/R/P Bridge Barrier (B-674 WB Span K) |
| ■ B-674.SPK.155 ■ B-674.SPK.160 | F/R/P Bridge Barrier (B-674 WB SpanK) Cure/Strip Bridge Barrier (B-674 WB Span K) | 5 | 11-Jul-24 17-Jul-24 | 22-Jul-24 | 51 | 5 @ 8 H, W CURE | Cure/Strip Bridge (B-674 WB Span K) |
| ■ B-674.SPK.160 ■ B-674.SPK.140 | | 2 | 22-Jul-24 | 22-Jul-24 24-Jul-24 | 34 | 5 @ 8 H, W | I Remove Overhangs (B-674: WB Spari K) |
| B-674.SPK.140 | Remove Overhangs (B-674 WB Span K) | | 22-JUI-24 | 24-JUI-24 | 54 | ა ლ o ⊓, vv | I renova oveniango to ovenava opaniky |
| | Domelich/Domeso Partier/Duti and Eviting Dock/D 67414/D 61 | 2 | 10 140 24 | 20 Mar 24 | 20 | E@OHW | Demolish/Remove Barrier/Porti on of Existing Deck (B-674 WB Span L) |
| B-674.SPL.100 B-674.SPL.130 | Demolish/Remove Barrier/Porti on of Existing Deck (B-674 WB Span L) | 1 | 19-Mar-24 | 20-Mar-24 | 28 | 5@8H,W | Setup/Temporary Jacking/Support System (B-674 WB Span L) |
| D-0/4.3PL.13U | Setup Temporary Jacking/Support System (B-674 WB Span L) | 1 | 09-May-24 | 09-May-24 | 21 | 5 @ 8 H, W | ' ' ' ' ' ' ' ' ' |
| 24-Jun-22 D-Dec-26 4-Jun-22 1-May-22 | Remaining Work Remaining Level of Effort Ad | lay/Impact verse Weather Iditional/Extra Wor | k | | | (22HH002 | 2) VDOT I-64 SEGMENT 4C BID SCHEDULE.V7 (RPT) BARCHART (11x17) TASK filter: All Activities Page 31 of 41 |



| | Activity Name | OD | ES | EF | TF | CALENDAR | 2022 2023 | 2024 | 2025 20. |
|-----------------------------------|--|-------------------------------|-----------|--------------------------|----|-------------|---|-----------------------------|---|
| ■ B-674.SPL.135 | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span L) | 6 | 10-May-24 | 17-May-24 | 21 | 5@8H,W | J J A S O N D J F M A M J J A S O N D | | estals/Perform Repairs/Replace Bearings (B-674;WB Span |
| B-674.SPL.110 | Erect Precast Concrete Beams for Widening (B-674 WB Span L) | 1 | 17-Jun-24 | 17-Iviay-24 17-Jun-24 | 11 | 5@8H,W | | | crete Beams for Widening (B-674 WB Span L) |
| B-674.SPL.115 | Set Overhangs (B-674 WB Span L) | 1 | 18-Jun-24 | 18-Jun-24 | 11 | 5@8H,W | | Set Overhangs (B | |
| B-674.SPL.120 | Set Deck Pans (B-674 WB Span L) | 1 | 19-Jun-24 | 19-Jun-24 | 11 | 5@8H,W | | I Set Deck Pans (B | |
| B-674.SPL.125 | Place Deck Rebar (B-674 WB Span L) | 3 | 26-Jun-24 | 01-Jul-24 | 7 | 5@8H,W | | | or (B-674 WB Span L) |
| B-674.SPL.145 | Setup Bidwell/Place Deck (B-674 WB Span L) | 2 | 01-Jul-24 | 03-Jul-24 | 35 | BRIDGE DECK | | | Place Deck(B-674 WB Span L) |
| B-674.SPL.150 | Bridge Deck Curing (B-674 WB Span L) | 7 | 03-Jul-24 | 10-Jul-24 | 55 | CURE | | | ring (B+674 WB Span L) |
| | | 4 | | | 35 | | | | arrier (B-674WB SpanL) |
| B-674.SPL.155 | F/R/P Bridge Barrier (B-674 WB Span L) | · · | 05-Jul-24 | 11-Jul-24 | | 5 @ 8 H, W | | | |
| B-674.SPL.160 | Cure/Strip Bridge Barrier (B-674 WB Span L) | 5 | 11-Jul-24 | 16-Jul-24 | 55 | CURE | | | lge Barrier (B-674 WB Span L) langs (B-674 WB Span L) |
| B-674.SPL.140 | Remove Overhangs (B-674 WB Span L) | 2 | 17-Jul-24 | 18-Jul-24 | 35 | 5 @ 8 H, W | | i kemove oven | larigs (p-0/4 vvb sparru) |
| SPAN M | Develop (Develop Device (Device of Figure Device (De CZANA)) | 2 | 45.1424 | 40.1424 | 20 | 5.0011111 | | Domplish / Power of Parrier | Portion of Existing Deck (B+674 WB Span M) |
| B-674.SPM.100 | Demolish/Remove Barrier/Portion of Existing Deck (B-674 WB Span M) | 2 | 15-Mar-24 | 18-Mar-24 | 28 | 5@8H,W | | | |
| B-674.SPM.130 | Setup Temporary Jacking/Support System (B-674 WB Span M) | 1 | 26-Apr-24 | 26-Apr-24 | 21 | 5@8H,W | | | ng/Support System (B-674 WB Span M) |
| B-674.SPM.135 | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span M) | 6 | 30-Apr-24 | 07-May-24 | 21 | 5@8H,W | | | stals/Perform Repairs/Replace Bearings (B-674 WB Span N |
| B-674.SPM.110 | Erect Precast Concrete Beams for Widening (B-674 WB Span M) | 1 | 10-Jun-24 | 11-Jun-24 | 12 | 5@8H,W | | | rete Beams for Widening (B-674 WB Span M) |
| B-674.SPM.115 | Set Overhangs (B-674 WB Span M) | 1 | 11-Jun-24 | 12-Jun-24 | 12 | 5@8H,W | | Set Overhangs (B | |
| B-674.SPM.120 | Set Deck Pans (B-674 WB Span M) | 1 | 12-Jun-24 | 13-Jun-24 | 12 | 5@8H,W | | Set Deck Pans (B- | |
| B-674.SPM.125 | Place Deck Rebar (B-674 WB Span M) | 3 | 20-Jun-24 | 26-Jun-24 | 7 | 5@8H,W | | | r (B-674 WB Span M) |
| ■ B-674.SPM.145 | Setup Bidwell/Place Deck (B-674 WB Span M) | 2 | 26-Jun-24 | 28-Jun-24 | 32 | BRIDGE DECK | | | lace Deck (B-674 WB Span M) |
| B-674.SPM.150 | Bridge Deck Curing (B-674 WB Span M) | 7 | 28-Jun-24 | 05-Jul-24 | 48 | CURE | <u> - </u> | | ring (B-674 WB Span M) |
| B-674.SPM.155 | F/R/P Bridge Barrier (B-674 WB Span M) | 4 | 01-Jul-24 | 08-Jul-24 | 33 | 5@8H,W | | | arrier (B-674 WB Span M) |
| B-674.SPM.160 | Cure/Strip Bridge Barrier (B-674 WB Span M) | 5 | 08-Jul-24 | 13-Jul-24 | 47 | CURE | | Cure/Strip Brid | ge Barrier (B-674 WB Span M) |
| B-674.SPM.140 | Remove Overhangs (B-674 WB Span M) | 2 | 15-Jul-24 | 16-Jul-24 | 35 | 5@8H,W | | Remove Overh | angs (B-674 WB Span M) |
| SPAN N | | | | | | | | | |
| B-674.SPN.100 | Demolish/Remove Barrier/Portion of Existing Deck (B-674 WB Span N) | 2 | 13-Mar-24 | 14-Mar-24 | 27 | 5@8H,W | | ■ Demolish/Remove Barrier/I | Portion of Existing Deck (B-674 WB Span N) |
| B-674.SPN.130 | Setup Temporary Jacking/Support System (B-674 WB Span N) | 1 | 17-Apr-24 | 17-Apr-24 | 21 | 5@8H,W | | l Setup Temporary Jacking | g/Support System (B-674 WB Span N) |
| B-674.SPN.135 | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span N) | 6 | 18-Apr-24 | 25-Apr-24 | 21 | 5@8H,W | | JackSpan/Clean Pedes | tals/Perform Repairs/Replace Bearings (B-674 WB Span N) |
| B-674.SPN.110 | Erect Precast Concrete Beams for Widening (B-674 WB Span N) | 1 | 06-Jun-24 | 06-Jun-24 | 12 | 5@8H,W | | Erect Precast Conc | rete Beams for Widening (B-674 WB Span N) |
| B-674.SPN.115 | Set Overhangs (B-674 WB Span N) | 1 | 07-Jun-24 | 07-Jun-24 | 12 | 5@8H,W | | Set Overhangs (B- | 674 WB Span N) |
| B-674.SPN.120 | Set Deck Pans (B-674 WB Span N) | 1 | 10-Jun-24 | 10-Jun-24 | 12 | 5@8H,W | | Set Deck Pans (B-6 | 574 WB Span N) |
| B-674.SPN.125 | Place Deck Rebar (B-674 WB Span N) | 3 | 17-Jun-24 | 20-Jun-24 | 7 | 5@8H,W | | | (B-674 WB Span N) |
| B-674.SPN.145 | Setup Bidwell/Place Deck (B-674 WB Span N) | 2 | 20-Jun-24 | 25-Jun-24 | 35 | BRIDGE DECK | | | ace Deck (B-674 WB Span N) |
| B-674.SPN.150 | Bridge Deck Curing (B-674 WB Span N) | 7 | 25-Jun-24 | 02-Jul-24 | 51 | CURE | | | ing (B-674 WB Span N) |
| B-674.SPN.155 | F/R/P Bridge Barrier (B-674 WB Span N) | 4 | 27-Jun-24 | 03-Jul-24 | 34 | 5@8H,W | | | arier (B-674 WB SpanN) |
| B-674.SPN.160 | Cure/Strip Bridge Barrier (B-674 WB Span N) | 5 | 03-Jul-24 | 08-Jul-24 | 52 | CURE | | | ge Barrier (B-674 WB Span N) |
| B-674.SPN.140 | Remove Overhangs (B-674 WB Span N) | 2 | 08-Jul-24 | 10-Jul-24 | 37 | 5 @ 8 H, W | | | angs (B-674 WB Span N) |
| 5-074.3FN.140 | Nemove Overhangs (19-074- VVB Spanis) | 2 | 06-Jul-24 | 10-Jul-24 | 37 | 3 @ 811, W | | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| B-674.SPO.100 | Domolich/Pomoro Parrior/Parti on of Evirting Dock/P 674 M/P Coan (1) | 2 | 11-Mar-24 | 12-Mar-24 | 24 | E @ O L W | | L Demolish/Remove Ramer/F | Portion of Existing Deck (B-674 WB Span O) |
| | Demolish/Remove Barrier/Portion of Existing Deck (B-674 WB Span O) | 1 | | | | 5@8H,W | | | |
| B-674.SPO.130 | Setup Temporary Jacking/Support System (B-674 WB Span O) | 1 | 04-Apr-24 | 04-Apr-24 | 21 | 5@8H,W | | | /Support System (B-674 WB Span O) als/Perform Repairs/Replace Bearings (B-674 WB Span O) |
| B-0/4.3FO.133 | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span O) | 6 | 05-Apr-24 | 16-Apr-24 | 21 | 5@8H,W | | | |
| B-674.SPO.110 | Erect Precast Concrete Beams for Widening (B-674 WB Span O) | 1 | 03-Jun-24 | 03-Jun-24 | 12 | 5@8H, W | - | - 1 1 1 1 1 1 1 1 1 1 1 1 | ete Beams for Widening (B-674 WB Span O) |
| B-674.SPO.115 | Set Overhangs (B-674 WB Span O) | 1 | 04-Jun-24 | 04-Jun-24 | 12 | 5@8H,W | | Set;Overhangs (B- | |
| B-674.SPO.120 | Set Deck Pans (B-674 WB Span O) | 1 | 05-Jun-24 | 05-Jun-24 | 12 | 5@8H,W | | Set Deck Pans (B-6 | |
| B-674.SPO.125 | Place Deck Rebar (B-674 WB Span O) | 3 | 12-Jun-24 | 17-Jun-24 | 7 | 5@8H,W | <u>- </u> | Place Deck Rebar | 1 : : : 1 : 1 : 1 : : : : : : : : : : : |
| B-674.SPO.145 | Setup Bidwell/Place Deck (B-674 WB Span O) | 2 | 17-Jun-24 | 19-Jun-24 | 38 | BRIDGE DECK | | | ace Deck (B-674 WB Span O) |
| B-674.SPO.150 | Bridge Deck Curing (B-674 WB Span O) | 7 | 19-Jun-24 | 26-Jun-24 | 57 | CURE | | | ng (B-674 WB Span O) |
| B-674.SPO.155 | F/R/P Bridge Barrier (B-674 WB Span O) | 4 | 20-Jun-24 | 27-Jun-24 | 38 | 5@8H,W | | | rier (B+674 WB SpanO) |
| B-674.SPO.160 | Cure/Strip Bridge Barrier (B-674 WB Span O) | 5 | 27-Jun-24 | 02-Jul-24 | 58 | CURE | | Cure/Strip Bridg | e Barrier (B-674 WB Span O) |
| B-674.SPO.140 | Remove Overhangs (B-674 WB Span O) | 2 | 03-Jul-24 | 05-Jul-24 | 38 | 5@8H,W | | Remove Overha | ngs (B-674 WB Span O) |
| SPAN P | | | | | | | | | |
| ■ B-674.SPP.100 | Demolish/Remove Barrier/Portion of Existing Deck (B-674 WB Span P) | 2 | 07-Mar-24 | 08-Mar-24 | 23 | 5@8H,W | | Demolish/Remove Barrier/F | Porti pnof Existing Deck (B-674 WB Span P) |
| ■ B-674.SPP.130 | Setup Temporary Jacking/Support System (B-674 WB Span P) | 1 | 26-Mar-24 | 26-Mar-24 | 21 | 5@8H,W | | Setup Temporary Jacking/ | Support System (B-674 WB Span P) |
| ■ B-674.SPP.135 | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span P) | 6 | 27-Mar-24 | 03-Apr-24 | 21 | 5@8H,W | | | s/Perform Repairs/Replace Bearings (B-674 WB Span P) |
| B-674.SPP.110 | Erect Precast Concrete Beams for Widening (B-674 WB Span P) | 1 | 28-May-24 | 28-May-24 | 13 | 5@8H,W | | | ete Beams for Widening (B-674 WB Span P) |
| B-674.SPP.115 | Set Overhangs (B-674 WB Span P) | 1 | 29-May-24 | 29-May-24 | 13 | 5@8H,W | | Set Overhangs (B-6 | |
| B-674.SPP.120 | Set Deck Pans (B-674 WB Span P) | 1 | 30-May-24 | 30-May-24 | 13 | 5@8H,W | | Set Deck Pans (B-6 | 1 |
| 14-Jun-22 0-Dec-26 4-Jun-22 | Critical Remaining Work Changed Work De | elay/Impact dverse Weather | 33 | 55 11.07 2-1 | 10 | | 2) VDOT I-64 SEGMENT 4C BID SO (RPT) BARCHART (11x17) TASK filter: All Activities Page 32 of 41 | | |





|) | Activity Name | OD | ES | EF | | CALENDAR | 2022 2023 2024 2025 2026 J |
|-----------------|--|-------------------|-----------|-----------|----|-------------|--|
| ■ B-674.SPP.125 | Place Deck Rebar (B-674 WB Span P) | 3 | 07-Jun-24 | 12-Jun-24 | 7 | 5 @ 8 H, W | II Place Deck Rebar (B-674 WB Span P) |
| ■ B-674.SPP.145 | Setup Bidwell/Place Deck (B-674 WB Span P) | 2 | 12-Jun-24 | 14-Jun-24 | 39 | BRIDGE DECK | Setupl Bidwell/Plaqe Deck (B-674 WB Span P) |
| ■ B-674.SPP.150 | Bridge Deck Curing (B-674 WB Span P) | 7 | 14-Jun-24 | 21-Jun-24 | 61 | CURE | Bridge Deck Curing (B-674 WB Span P) |
| ■ B-674.SPP.155 | F/R/P Bridge Barrier (B-674 WB Span P) | 4 | 17-Jun-24 | 24-Jun-24 | 40 | 5@8H,W | II F/R/P Bridge Barrier (B-674 WB Span P) |
| ■ B-674.SPP.160 | Cure/Strip Bridge Barrier (B-674 WB Span P) | 5 | 24-Jun-24 | 29-Jun-24 | 59 | CURE | (L. Cure/Strip Bridge Barrier (B-674 WB Span P) |
| ■ B-674.SPP.140 | Remove Overhangs (B-674 WB Span P) | 2 | 01-Jul-24 | 02-Jul-24 | 38 | 5@8H,W | Remove Overhangs;(B-674 WB Span P) |
| SPAN Q | | | | | | 2621411 | |
| B-674.SPQ.100 | Demolish/Remove Barrier/Portion of Existing Deck (B-674 WB Span Q) | 2 | 05-Mar-24 | 06-Mar-24 | 23 | 5@8H,W | Demolish/Remove Barrier/Portion of Existing Deck (B-674 WB Span Q) |
| B-674.SPQ.130 | Setup Temporary Jacking/Support System (B-674 WB Span Q) | 1 | 15-Mar-24 | 15-Mar-24 | 21 | 5@8H,W | I Setup Temporary Jacking/Support System (B-674 WB Span Q) |
| B-674.SPQ.135 | | 6 | 18-Mar-24 | 25-Mar-24 | 21 | 5@8H,W | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span Q) |
| | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span Q) | 1 | | | | | |
| B-674.SPQ.110 | Erect Precast Concrete Beams for Widening (B-674 WB Span Q) | | 23-May-24 | 23-May-24 | 12 | 5@8H,W | |
| B-674.SPQ.115 | Set Overhangs (B-674 WB Span Q) | 1 | 24-May-24 | 24-May-24 | 12 | 5@8H,W | I Set Qverhangs (B-674 WB Span Q) |
| B-674.SPQ.120 | Set Deck Pans (B-674 WB Span Q) | 1 | 28-May-24 | 28-May-24 | 12 | 5@8H,W | Set Deck Pans (B-674 WB Span Q) |
| B-674.SPQ.125 | Place Deck Rebar (B-674 WB Span Q) | 3 | 04-Jun-24 | 07-Jun-24 | 7 | 5@8H,W | Place Deck Rebar (B-674 WB Span Q) |
| B-674.SPQ.145 | Setup Bidwell/Place Deck (B-674 WB Span Q) | 2 | 07-Jun-24 | 11-Jun-24 | 39 | BRIDGE DECK | 1 Setup Bidwell/Plade Deck (B-674 WB Span Q) |
| B-674.SPQ.150 | Bridge Deck Curing (B-674 WB Span Q) | 7 | 11-Jun-24 | 18-Jun-24 | 58 | CURE | I Bridge Deck Curing (B-674 WB;Span Q) |
| B-674.SPQ.155 | F/R/P Bridge Barrier (B-674 WB Span Q) | 4 | 13-Jun-24 | 19-Jun-24 | 39 | 5 @ 8 H, W | I F/R/P Bridge Blarrier (B-674 WB SpanQ) |
| ■ B-674.SPQ.160 | Cure/Strip Bridge Barrier (B-674 WB Span Q) | 5 | 19-Jun-24 | 24-Jun-24 | 60 | CURE | Cure/Strip Bridge Barrier (B-674 WB:Span Q) |
| B-674.SPQ.140 | Remove Overhangs (B-674 WB Span Q) | 2 | 24-Jun-24 | 26-Jun-24 | 40 | 5@8H,W | ■ I Remove Overhangs (B-674 WB Span Q) |
| SPAN R | | | | | | | |
| B-674.SPR.100 | Demolish/Remove Barrier/Portion of Existing Deck (B-674 WB Span R) | 2 | 01-Mar-24 | 04-Mar-24 | 22 | 5@8H,W | Demolish/Remove Barrier/Polrti on of Existing; Deck (B-674;WB Span R) |
| ■ B-674.SPR.130 | Setup Temporary Jacking/Support System (B-674 WB Span R) | 1 | 06-Mar-24 | 06-Mar-24 | 21 | 5@8H,W | I Setup, Temporary Jacking/Support System (B-674 WB Span R) |
| B-674.SPR.135 | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span R) | 6 | 07-Mar-24 | 14-Mar-24 | 21 | 5@8H,W | □ Jack Span/Clean Pedestals/#erform Repairs/Replace Bearings (B-674 WB Span R) |
| B-674.SPR.110 | Erect Precast Concrete Beams for Widening (B-674 WB Span R) | 1 | 20-May-24 | 20-May-24 | 12 | 5@8H,W | I Erect Precast Concrete Beams for Widening (B-674 WB Span R) |
| ■ B-674.SPR.115 | Set Overhangs (B-674 WB Span R) | 1 | 21-May-24 | 21-May-24 | 12 | 5@8H,W | I Set Overhangs (B-674 W/B Span R) |
| ■ B-674.SPR.120 | Set Deck Pans (B-674 WB Span R) | 1 | 22-May-24 | 22-May-24 | 12 | 5@8H,W | Set Deck Pans (B-674 WB Span R) |
| ■ B-674.SPR.125 | Place Deck Rebar (B-674 WB Span R) | 3 | 30-May-24 | 04-Jun-24 | 7 | 5@8H,W | |
| ■ B-674.SPR.145 | Setup Bidwell/Place Deck (B-674 WB Span R) | 2 | 04-Jun-24 | 06-Jun-24 | 41 | BRIDGE DECK | Setup Bidwell/Place Deck/(B-674 WB Span R) |
| B-674.SPR.150 | Bridge Deck Curing (B-674 WB Span R) | 7 | 06-Jun-24 | 13-Jun-24 | 62 | CURE | ☐ Bridge Deck Curing (B-674 WB Span R) |
| B-674.SPR.155 | F/R/P Bridge Barrier (B-674 WB SpanR) | 4 | 10-Jun-24 | 14-Jun-24 | 41 | 5 @ 8 H, W | □ F/R/P BridgeBarrier (B-674WB SpanR) |
| B-674.SPR.160 | | 5 | 10-Jun-24 | 19-Jun-24 | 63 | CURE | Cyre/Strip Bridge Barrier (B-674 WB Span R) |
| | Cure/Strip Bridge Barrier (B-674 WB Span R) | | | | | | |
| B-674.SPR.140 | Remove Overhangs (B-674 WB Span R) | 2 | 19-Jun-24 | 24-Jun-24 | 40 | 5@8H,W | Remove Overhangs (B-674; WB Span R) |
| SPAN S | | | | | | | |
| B-674.SPS.130 | Setup Temporary Jacking/Support System (B-674 WB Span S) | 1 | 26-Feb-24 | 26-Feb-24 | 21 | 5@8H,W | Setup Temporary Jacking/Support System (B-674 WB Span S) |
| B-674.SPS.135 | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span S) | 6 | 27-Feb-24 | 05-Mar-24 | 21 | 5@8H,W | Jack Span/Qean Pedestal s/Perform Repairs/Replace Bearings (B-67/4 WB Span S) |
| B-674.SPS.100 | Demolish/Remove Barrier/Portion of Existing Deck (B-674 WB Span S) | 2 | 28-Feb-24 | 29-Feb-24 | 22 | 5@8H,W | |
| B-674.SPS.110 | Erect Precast Concrete Beams for Widening (B-674 WB Span S) | 1 | 14-May-24 | 15-May-24 | 12 | 5@8H,W | |
| B-674.SPS.115 | Set Overhangs (B-674 WB Span S) | 1 | 15-May-24 | 16-May-24 | 12 | 5@8H,W | |
| B-674.SPS.120 | Set Deck Pans (B-674 WB Span S) | 1 | 16-May-24 | 17-May-24 | 12 | 5@8H,W | Set Deck Pains (B-674 WB Spain S) |
| B-674.SPS.125 | Place Deck Rebar (B-674 WB Span S) | 3 | 24-May-24 | 30-May-24 | 7 | 5@8H,W | [] Place Deck Rebar (B 67/4 WB Span S) |
| B-674.SPS.145 | Setup Bidwell/Place Deck (B-674 WB Span S) | 2 | 30-May-24 | 03-Jun-24 | 40 | BRIDGE DECK | Setup Bidwell/Place Deck (B-674 WB Span S) |
| B-674.SPS.150 | Bridge Deck Curing (B-674 WB Span S) | 7 | 03-Jun-24 | 10-Jun-24 | 59 | CURE | II Bridge Deck Curing (B-674 WB Span S) |
| ■ B-674.SPS.155 | F/R/P Bridge Barrier (B-674 WB Span S) | 4 | 05-Jun-24 | 11-Jun-24 | 40 | 5@8H,W | □ F/R/PBridgeBarrier (B-674\WB SpanS) |
| ■ B-674.SPS.160 | Cure/Strip Bridge Barrier (B-674 WB Span S) | 5 | 11-Jun-24 | 16-Jun-24 | 61 | CURE | Oure/Strip Bridge Barrier (B-674 WB Span S) |
| B-674.SPS.140 | Remove Overhangs (B-674 WB Span S) | 2 | 17-Jun-24 | 18-Jun-24 | 41 | 5@8H,W | Remove Overhangs (B-674 WB SpanS) |
| SPAN T | | | | | | | |
| B-674.SPT.130 | Setup Temporary Jacking/Support System (B-674 WB Span T) | 1 | 13-Feb-24 | 13-Feb-24 | 21 | 5@8H,W | I Setup Temporary Jacking/Support System (B-674 WB Span T) |
| B-674.SPT.135 | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span T) | 6 | 14-Feb-24 | 22-Feb-24 | 21 | 5@8H,W | Jack Span / Clean Pedestals / Perform Repairs / Replace Bearings (B-674 WB Span T) |
| B-674.SPT.100 | Demolish/Remove Barrier/Porti on of Existing Deck (B-674 WB Span T) | 2 | 26-Feb-24 | 27-Feb-24 | 21 | 5@8H,W | Demolish/Remove Barner/Portion of Existing Deck (B-674 WB Span T) |
| B-674.SPT.110 | Errect Precast Concrete Beams for Widening (B-674 WB Span T) | 1 | | | 13 | | |
| | 3 | 1 | 09-May-24 | 09-May-24 | | 5@8H,W | |
| B-674.SPT.115 | Set Overhangs (B-674 WB Span T) | 1 | 10-May-24 | 10-May-24 | 13 | 5@8H,W | |
| B-674.SPT.120 | Set Deck Pans (B-674 WB Span T) | 1 | 13-May-24 | 13-May-24 | 13 | 5@8H,W | I Set Deck Paris (B-674 WB SpanT) |
| B-674.SPT.125 | Place Deck Rebar (B-674 WB Span T) | 3 | 21-May-24 | 24-May-24 | 7 | 5@8H,W | Placé Déck Rebar (B-574 WB Span T) |
| B-674.SPT.145 | Setup Bidwell/Place Deck (B-674 WB Span T) | 2 | 24-May-24 | 29-May-24 | 42 | BRIDGE DECK | Setup Bidwell/Place Deck (B-674 WB Span T) |
| ■ B-674.SPT.150 | Bridge Deck Curing (B-674 WB Span T) | 7 | 29-May-24 | 05-Jun-24 | 63 | CURE | □ Bridge Deck Curing (B-674 WB Span T) |
| B-674.SPT.155 | F/R/P Bridge Barrier (B-674 WB SpanT) | 4 | 31-May-24 | 06-Jun-24 | 42 | 5 @ 8 H, W | ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; |
| 24-Jun-22 | Critical Remaining Work Changed Work Del | lay/Impact | | | | /22::::22 | 201 VIDOT I CA CECNAENT AC DID COVER VIE VE |
| 0-Dec-26 | | | | | | (22HH002 | 02) VDOT I-64 SEGMENT 4C BID SCHEDULE.V7 |
| 24-Jun-22 | Remaining Work Remaining Level of Effort Ad | verse Weather | | | | | (RPT) BARCHART (11x17) TASK filter: All Activities |
| 1-May-22 | Actual Work — Actual Level of Effort Ad | ditional/Extra Wo | a. | | | | Page 33 of 41 |



| | Activity Name | OD | ES | EF | TF | CALENDAR | 2022 | | L., | | 2023 | | ļ.,. | 2024 | 2025 | 2026 |
|-----------------|---|-------------------|-------------|-------------|----|-------------|----------|--------|-----|--------------------------|----------|-----------|-------------|--------------------------------|---|---|
| | | | | | | | J J A S | O N D | J F | M A M | J J A S | ONE | J F | | | J F M A M J J |
| | Cure/Strip Bridge Barrier (B-674 WB Span T) | 5 | 06-Jun-24 | 11-Jun-24 | 64 | CURE | | | | | | | | | Barrier (B-674 WB Span T) | |
| B-674.SPT.140 | Remove Overhangs (B-674 WB Span T) | 2 | 11-Jun-24 | 13-Jun-24 | 42 | 5@8H,W | | | | | | | | Remove Overhan | gs (B-674 WB Span T) | |
| SPAN U | | | | | | | | | | | | | | | | |
| ■ B-674.SPU.130 | Setup Temporary Jacking/Support System (B-674 WB Span U) | 1 | 02-Feb-24 | 02-Feb-24 | 21 | 5@8H,W | | | | | | | 1 1 1 | 1 1 1 1 1 1 1 1 1 | ort System (B-674 WB Span U) | |
| B-674.SPU.135 | Jack Span/Clean Pedestal s/Perform Repairs/Replace Bearings (B-674 WB Span U) | 6 | 05-Feb-24 | 12-Feb-24 | 21 | 5@8H,W | | | | | | | 10 | Jack Span/Clean Pedestals/Per | form Repairs/Replace Bearings (B-674 | WB Span U) |
| ■ B-674.SPU.100 | Demolish/Remove Barrier/Portion of Existing Deck (B-674 WB Span U) | 2 | 21-Feb-24 | 22-Feb-24 | 18 | 5@8H,W | | | | | | | 1 1 | | rti on of Existing Deck (B-674 WB Span | |
| ■ B-674.SPU.110 | Erect Precast Concrete Beams for Widening (B-674 WB Span U) | 1 | 06-May-24 | 06-May-24 | 12 | 5 @ 8 H, W | | | | | | | | | Beams for Widening (B-674 WB Spai | υ(U) |
| ■ B-674.SPU.115 | Set Overhangs (B-674 WB Span U) | 1 | 07-May-24 | 07-May-24 | 12 | 5 @ 8 H, W | | | | | | | | Set Overhangs (B-674 | 1 | |
| B-674.SPU.120 | Set Deck Pans (B-674 WB Span U) | 1 | 09-May-24 | 09-May-24 | 12 | 5@8H,W | | | | | | | | Set Deck Pans (B-674 | | |
| B-674.SPU.125 | Place Deck Rebar (B-674 WB Span U) | 3 | 16-May-24 | 21-May-24 | 7 | 5 @ 8 H, W | | | | | | 1-1-1- | 1.1.1 | Place Deck Rebar (B | -674 WB Span U) | |
| ■ B-674.SPU.145 | Setup Bidwell/Place Deck (B-674 WB Span U) | 2 | 21-May-24 | 23-May-24 | 43 | BRIDGE DECK | | 1 1 | : : | | 1 1 1 | 1 1 1 | 1 1 | | Peck (B-674 WB Span U) | |
| B-674.SPU.150 | Bridge Deck Curing (B-674 WB Span U) | 7 | 23-May-24 | 30-May-24 | 68 | CURE | | 1 1 | | | 1 1 1 | | | Bridge Deck Curing | | |
| B-674.SPU.155 | F/R/P Bridge Barrier (B-674 WB Span U) | 4 | 24-May-24 | 31-May-24 | 44 | 5 @ 8 H, W | | | | | | | | ■ F/R/P Bridge Bair is | | |
| B-674.SPU.160 | Cure/Strip Bridge Barrier (B-674 WB Span U) | 5 | 31-May-24 | 05-Jun-24 | 68 | CURE | | | | | | | | 1 1 1 1 1 1 1 1 1 1 | Barrier (B-674 WB Span U) | |
| B-674.SPU.140 | Remove Overhangs (B-674 WB Span U) | 2 | 05-Jun-24 | 07-Jun-24 | 44 | 5@8H,W | | | | | | 4-4-4- | 1.1.1 | Remove Overhang | s (B-674 WB Span U) | |
| SPAN V | | | | | | | | | | | | | | | | |
| B-674.SPV.130 | Setup Temporary Jacking/Support System (B-674 WB Span V) | 1 | 24-Jan-24 | 24-Jan-24 | 21 | 5@8H,W | | | | | | | 1 1 | etup Temporary Jacking/Suppor | | |
| B-674.SPV.135 | Jack Span/Clean Pedestal s/Perform Repairs/Replace Bearings (B-674 WB Span V) | 6 | 25-Jan-24 | 01-Feb-24 | 21 | 5@8H,W | | | | | | | 1 1 | | orm Repairs/Replace Bearings (B-674 | |
| B-674.SPV.100 | Demolish/Remove Barrier/Portion of Existing Deck (B-674 WB Span V) | 2 | 19-Feb-24 | 20-Feb-24 | 17 | 5@8H,W | | | | | | | | | rti on of Existing Deck (B-674 WB Span | |
| B-674.SPV.110 | Erect Precast Concrete Beams for Widening (B-674 WB Span V) | 1 | 30-Apr-24 | 30-Apr-24 | 13 | 5@8H,W | | | | | | 1-1-1- | 1.1.1 | ■ Erect Precast Concrete | Beams for Widening (B-674 WB Spar | ι γ) |
| B-674.SPV.115 | Set Overhangs (B-674 WB Span V) | 1 | 01-May-24 | 01-May-24 | 13 | 5@8H,W | | | | | | | | Set Overhangs (B-674 | WB Span V) | |
| ■ B-674.SPV.120 | Set Deck Pans (B-674 WB Span V) | 1 | 02-May-24 | 02-May-24 | 13 | 5@8H,W | | | | | | | | Set Deck Pans (B-674) | VVB Span V) | |
| ■ B-674.SPV.125 | Place Deck Rebar (B-674 WB Span V) | 3 | 13-May-24 | 16-May-24 | 7 | 5@8H,W | | | | | | | | Place Deck Rebar (B- | 674 WB Span V) | |
| ■ B-674.SPV.145 | Setup Bidwell/Place Deck (B-674 WB Span V) | 2 | 16-May-24 | 20-May-24 | 44 | BRIDGE DECK | | 1 1 | | | 1 1 1 | : : : | | Setup Bidwell/Place | Deck (B-674 WB Span V) | |
| B-674.SPV.150 | Bridge Deck Curing (B-674 WB Span V) | 7 | 20-May-24 | 27-May-24 | 66 | CURE | | | | | | 1.1.1 | | Bridge Deck Curing | (B-674 WB Span V) | |
| ■ B-674.SPV.155 | F/R/P Bridge Barrier (B-674 WB Span V) | 4 | 21-May-24 | 28-May-24 | 45 | 5@8H,W | | [| | | | 7.1.7. | 100 | ■ F/R/P Bridge Barrie | r (B+674WB \$panV) | |
| ■ B-674.SPV.160 | Cure/Strip Bridge Barrier (B-674 WB Span V) | 5 | 28-May-24 | 02-Jun-24 | 67 | CURE | | | | | | | | Cure/Strip Bridge B | Barrier (B-674 WB Span V) | |
| ■ B-674.SPV.140 | Remove Overhangs (B-674 WB Span V) | 2 | 03-Jun-24 | 04-Jun-24 | 45 | 5@8H,W | | | | | | | | Remove Overhang | s (B-674 WB \$pan V) | |
| SPAN W | | | | | | | | | | | | | | | | |
| B-674.SPW.130 | Setup Temporary Jacking/Support System (B-674 WB Span W) | 1 | 12-Jan-24 | 12-Jan-24 | 21 | 5@8H,W | | | | | | | Set | up Temporary Jacking/Support | System (B-674 WB Span W) | |
| ■ B-674.SPW.135 | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span W) | 6 | 15-Jan-24 | 23-Jan-24 | 21 | 5@8H,W | | | | | 1777 | 7 7 7 | □ Ja | ck Span/Clean Pedestals/Perfo | rm Repairs/Replace Bearings (B-674 V | VB Span W) |
| ■ B-674.SPW.100 | Demolish/Remove Barrier/Portion of Existing Deck (B-674 WB Span W) | 2 | 14-Feb-24 | 15-Feb-24 | 17 | 5@8H,W | | | : : | | 1 1 1 | | 1 11 | Demolish/Remove Barrier/Por | tion of Existing Deck (B-674 WB Span | v() : : : : : : |
| ■ B-674.SPW.110 | Erect Precast Concrete Beams for Widening (B-674 WB Span W) | 1 | 25-Apr-24 | 25-Apr-24 | 12 | 5@8H,W | | | | | | | | l Erect Precast Concrete | Beams for Widening (B-674 WB Span | νν) : : : : : : : : : : : : : : : : : : |
| ■ B-674.SPW.115 | Set Overhangs (B-674 WB Span W) | 1 | 26-Apr-24 | 26-Apr-24 | 12 | 5@8H,W | | | | | | | | I Set Overhangs (B-674 | WB Span W) | |
| ■ B-674.SPW.120 | Set Deck Pans (B-674 WB Span W) | 1 | 30-Apr-24 | 30-Apr-24 | 12 | 5@8H,W | | | | | | | | Set Deck Pans (B-674) | WB Span W) | |
| ■ B-674.SPW.125 | Place Deck Rebar (B-674 WB Span W) | 3 | 07-May-24 | 13-May-24 | 7 | 5@8H,W | | | | | | | | Place Deck Rebar (B- | 674 WB Span W) | |
| ■ B-674.SPW.145 | Setup Bidwell/Place Deck (B-674 WB Span W) | 2 | 13-May-24 | 15-May-24 | 45 | BRIDGE DECK | | | | | | | | Setup Bidwell/Place | Deck (B-674 WB Span W) | |
| ■ B-674.SPW.150 | Bridge Deck Curing (B-674 WB Span W) | 7 | 15-May-24 | 22-May-24 | 70 | CURE | | | : : | | 1 1 1 | | | Bridge Deck Curing (| | |
| | F/R/P Bridge Barrier (B-674 WB Span W) | 4 | 17-May-24 | 23-May-24 | 45 | 5@8H,W | | | | | | | | | | |
| ■ B-674.SPW.160 | Cure/Strip Bridge Barrier (B-674 WB Span W) | 5 | 23-May-24 | 28-May-24 | 70 | CURE | | | | | | | | | arrier (B-674 WB Span W) | |
| B-674.SPW.140 | Remove Overhangs (B-674 WB Span W) | 2 | | 31-May-24 | 45 | 5@8H,W | | | | | | | 1 | | s (B-674 WB Span W) | |
| SPAN X | | | .,=- | .,=: | | 2 - , | | | | | | | | | | |
| B-674.SPX.130 | Setup Temporary Jacking/Support System (B-674 WB Span X) | 1 | 03-Jan-24 | 03-Jan-24 | 21 | 5@8H,W | | | | | | 1 1 1 | Set | up Temporary Jacking/Support S | System (B-674 WB Span X) | |
| B-674.SPX.135 | Jack Span/Clean Pedestal s/Perform Repairs/Replace Bearings (B-674 WB Span X) | 6 | 04-Jan-24 | 11-Jan-24 | 21 | 5@8H,W | | | | | | | 1 1 1 | | m Repairs/Replace Bearings (B-674 W | B Span X) |
| ■ B-674.SPX.100 | Demolish/Remove Barrier/Portion of Existing Deck (B-674 WB Span X) | 2 | 12-Feb-24 | 13-Feb-24 | 16 | 5@8H,W | | | | | | | | | tion of Existing Deck (B-674 WB Span | |
| B-674.SPX.110 | Erect Precast Concrete Beams for Widening (B-674 WB Span X) | 1 | 22-Apr-24 | 22-Apr-24 | 12 | 5@8H,W | | | | | | 1-1-1- | 1111 | | Beams for Widening (B-674 WB Span | |
| B-674.SPX.115 | Set Overhangs (B-674 WB Span X) | 1 | 23-Apr-24 | 23-Apr-24 | 12 | 5@8H,W | | | | | | | | Set Overhangs (B-674) | | |
| | Set Deck Pans (B-674 WB Span X) | 1 | 24-Apr-24 | 24-Apr-24 | 12 | 5@8H,W | | | | | 111 | | | Set Deck Pans (B-674 V | | |
| B-674.SPX.125 | Place Deck Rebar (B-674 WB Span X) | 3 | 02-May-24 | 07-May-24 | 7 | 5@8H,W | | | : : | 1 1 1 | 1 1 1 | : : : | | Place Deck Rebar (B-6 | | |
| B-674.SPX.145 | Setup Bidwell/Place Deck (B-674 WB Span X) | 2 | 07-May-24 | 10-May-24 | 46 | BRIDGE DECK | | | | | | | | Setup Bidwell/Place [| | |
| B-674.SPX.150 | Bridge Deck Curing (B-674 WB Span X) | 7 | 10-May-24 | 17-May-24 | 69 | CURE | | | | | | | 1-1-1 | Bridge Deck Curing (| | |
| | F/R/P Bridge Barrier (B -674 WB Span X) | 4 | 14-May-24 | 20-May-24 | 46 | 5 @ 8 H, W | | | | | | | | ☐ F/R/P Bridge Barrier | | |
| B-674.SPX.160 | Cure/Strip Bridge Barrier (B-674 WB Span X) | 5 | 20-May-24 | 25-May-24 | 69 | CURE | | | | | | | | | arrier (B-674 WB Span X) | |
| B-674.SPX.140 | Remove Overhangs (B-674 WB Span X) | 2 | 28-May-24 | 29-May-24 | 45 | 5 @ 8 H, W | | | | | | | | Remove Overhangs | 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | |
| 6-674.SPX.140 | ייין בארוומוופט פאר דינט פן בארוומוופט פאר דינט פון בארוומיים בארוומיים בארוומיים בארוומיים בארוומיים בארוומיים | | 20-1v1ay-24 | 25 TVIQY-24 | 40 | J @ 011, VV | | | | | | | | action of Overridings | - 57 1.55 Sport/y | |
| B-674.SPY.100 | Demolich/Permove Barrier/Portion of Evitting Dock/P 67/1 W/P Span VI | 2 | 08-Eab 24 | 09-Feb-24 | 16 | 5 @ O U \\/ | | | | | | | 1-5-1 | Demolish/Remove Barrier/Po+ | ion of Existing Deck (B-674 WB Span) | , } |
| D-0/4.3F1.1UU | Demolish/Remove Barrier/Portion of Existing Deck (B-674 WB Span Y) | 2 | 08-Feb-24 | U9-F80-24 | 16 | 5@8H,W | | 1 1 | | 1 1 1 | <u> </u> | 1 1 1 | | paindin herriore painer Poli | inition typing nervio-hit and Shall | 1 |
| 1-Jun-22 | Critical Remaining Work Changed Work De | lay/Impact | | | | (22HH002 |) VDOT | 1-64 | SFC | MEN | T 40 | RID S | CHE | DITE V7 | | |
| -Dec-26 | | verse Weather | | | | (221111002 | • | | | | | | | DULL.V/ | | |
| 1-Jun-22 | | | | | | | (KPI) BA | KCHAKI | | l7) TASK e 34 of 41 | | ACTIVITIE | :5 | | | |
| -May-22 | Actual Work — Actual Level of Effort Ad | ditional/Extra Wo | IK . | | | | | | rag | C J+ UI 41 | | | | | | |





| | Activity Name | OD | ES | EF | | CALENDAR | 2022 2023 2024 2025 2026 |
|---------------------|--|-----------------------------------|-----------|------------------------|----------|-------------|--|
| ■ B-674.SPY.105 | Erect Precast Concrete Beams for Widening (B-674 WB Span Y) | 1 | 16-Apr-24 | 16-Apr-24 | 13 | 5 @ 8 H, W | Erect; Precast Concrete Bearns for Widening (B-674 WB Span Y) |
| ■ B-674.SPY.110 | Set Overhangs (B-674 WB Span Y) | 1 | 17-Apr-24 | 17-Apr-24 | 13 | 5@8H,W | I Sét Overhangsi(B-674 WB Spah Y) |
| B-674.SPY.115 | Set Deck Pans (B-674 WB Span Y) | 1 | 18-Apr-24 | 18-Apr-24 | 13 | 5@8H,W | |
| B-674.SPY.120 | Place Deck Rebar (B-674 WB Span Y) | 3 | 26-Apr-24 | 02-May-24 | 7 | 5@8H,W | Place Deck Rébar (B'-674 WB Span Y) |
| B-674.SPY.145 | Setup Bidwell/Place Deck (B-674 WB Span Y) | 2 | 02-May-24 | 06-May-24 | 48 | BRIDGE DECK | Setup Bidwell/Place Deck (B-674 WB Span Y) |
| B-674.SPY.150 | Bridge Deck Curing (B-674 WB Span Y) | 7 | 06-May-24 | 13-May-24 | 72 | CURE | D Bridge DeckCuring (B 674 WB Span Y) |
| B-674.SPY.155 | F/R/P Bridge Barrier (B-674 WB SpanY) | 4 | 07-May-24 | 14-May-24 | 48 | 5@8H,W | □ F/R/P,BridgeBarrier (B-674WB Spany) |
| B-674.SPY.125 | Setup Temporary Jacking/Support System (B-674 WB Span Y) | 1 | 10-May-24 | 10-May-24 | 97 | 5@8H,W | |
| B-674.SPY.130 | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span Y) | 6 | 13-May-24 | 20-May-24 | 97 | 5@8H,W | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span Y) |
| | | | | | | | Cure/Strip Bridge Barrier (B-674 WB Span Y) |
| B-674.SPY.160 | Cure/Strip Bridge Barrier (B-674 WB Span Y) | 5 | 14-May-24 | 19-May-24 | 73 | CURE | |
| B-674.SPY.135 | Remove Overhangs (B-674 WB Span Y) | 2 | 20-May-24 | 21-May-24 | 48 | 5@8H,W | I Remove Overhangs (B-674 W/B SpanY) |
| ~~~~ SPAN Z ~~~~ | Development of the Control of the Control of | 2 | 00 5-1-24 | 07.5-1-24 | 45 | 5.0011.14 | |
| B-674.SPZ.100 | Demolish/Remove Barrier/Porti on of Existing Deck (B-674 WB Span Z) | 2 | 06-Feb-24 | 07-Feb-24 | 15 | 5@8H,W | Demolish/Remove Bamer/Porti pnof Existing Deck (B-674 WB Span Z) |
| B-674.SPZ.105 | Erect Precast Concrete Beams for Widening (B-674 WB Span Z) | 1 | 10-Apr-24 | 10-Apr-24 | 13 | 5@8H,W | l Erect Precast Concrete Belams for Widening (B-674 WB Span Z) |
| B-674.SPZ.110 | Set Overhangs (B-674 WB Span Z) | 1 | 11-Apr-24 | 11-Apr-24 | 13 | 5 @ 8 H, W | I Set Overhangs (B-674 WB Span Z) |
| B-674.SPZ.115 | Set Deck Pans (B-674 WB Span Z) | 1 | 12-Apr-24 | 12-Apr-24 | 13 | 5 @ 8 H, W | ; |
| B-674.SPZ.120 | Place Deck Rebar (B-674 WB Span Z) | 3 | 23-Apr-24 | 26-Apr-24 | 7 | 5@8H,W | i i i i i i i i i i i i i i i i i i i |
| B-674.SPZ.145 | Setup Bidwell/Place Deck (B-674 WB Span Z) | 2 | 26-Apr-24 | 01-May-24 | 49 | BRIDGE DECK | i i i i i i i i i i i i i i i i i |
| B-674.SPZ.125 | Setup Temporary Jacking/Support System (B-674 WB Span Z) | 1 | 30-Apr-24 | 30-Apr-24 | 97 | 5@8H,W | \$ \$etiup Temporary Jacking/Support System (B-674 WB Span Z) |
| B-674.SPZ.130 | Jack Span/Clean Pedestal s/Perform Repairs/Replace Bearings (B-674 WB Span Z) | 6 | 01-May-24 | 09-May-24 | 97 | 5@8H,W | Jack Span/Clean Pedestal s/Perform Repairs/Replace Bearings (B-674 WB Span Z) |
| ■ B-674.SPZ.150 | Bridge Deck Curing (B-674 WB Span Z) | 7 | 01-May-24 | 08-May-24 | 76 | CURE | |
| ■ B-674.SPZ.155 | F/R/P Bridge Barrier (B-674 WB SpanZ) | 4 | 02-May-24 | 09-May-24 | 49 | 5@8H,W | |
| B-674.SPZ.160 | Cure/Strip Bridge Barrier (B-674 WB Span Z) | 5 | 09-May-24 | 14-May-24 | 76 | CURE | Cuire/Strip Bridge Barrier (B-674 WB Spah Z) |
| B-674.SPZ.135 | Remove Overhangs (B-674 WB Span Z) | 2 | 14-May-24 | 16-May-24 | 49 | 5@8H,W | Remove Overhangs (B-674 WB Span Z) |
| SPAN AA | The state of the s | | - / | , | | - 2 - , | |
| B-674.SPAA.100 | Demolish/Remove Barrier/Portion of Existing Deck (B-674 WB Span AA) | 2 | 02-Feb-24 | 05-Feb-24 | 14 | 5@8H,W | 1 Demotish/Remove Barrier/Porti on of Existing Deck (B-674 WB Span AA) |
| B-674.SPAA.105 | Erect Precast Concrete Beams for Widening (B-674 WB Span AA) | 1 | 09-Apr-24 | 09-Apr-24 | 11 | 5@8H,W | Erect Precast Concrete Beams for Widening (B-674 WB Span AA) |
| B-674.SPAA.110 | 9, , , | 1 | · · | · · | 11 | | Set Overthangs (B-674 WB Span AA) |
| | Set Overhangs (B-674 WB Span AA) | | 10-Apr-24 | 10-Apr-24 | | 5@8H,W | Set Deck Pans (B-674 WB Span AA) |
| B-674.SPAA.115 | Set Deck Pans (B-674 WB Span AA) | 1 | 11-Apr-24 | 11-Apr-24 | 11 | 5@8H,W | |
| B-674.SPAA.125 | Setup Temporary Jacking/Support System (B-674 WB Span AA) | 1 | 18-Apr-24 | 18-Apr-24 | 97 | 5@8H,W | Setup Temporary Jacking / Support System (B-674 WB; Span AA) |
| B-674.SPAA.120 | Place Deck Rebar (B-674 WB Span AA) | 3 | 18-Apr-24 | 23-Apr-24 | 7 | 5@8H,W | II Place Deck Rebar (B-674 WB Span AA) |
| B-674.SPAA.130 | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span AA) | 6 | 19-Apr-24 | 26-Apr-24 | 97 | 5@8H,W | [] Jack/Span/Clean Pedestals/Perform Repairts/Replace; Bearings (B-674 WB Span AA) |
| B-674.SPAA.145 | Setup Bidwell/Place Deck (B-674 WB Span AA) | 2 | 23-Apr-24 | 25-Apr-24 | 49 | BRIDGE DECK | Setup Bidwell/Place Deck (B-674-WB Span-AA) |
| B-674.SPAA.150 | Bridge Deck Curing (B-674 WB Span AA) | 7 | 25-Apr-24 | 02-May-24 | 76 | CURE | Bridge Deck Curring (B-674'WB Span AA) |
| B-674.SPAA.155 | F/R/P Bridge Barrier (B-674 WB SpanAA) | 4 | 26-Apr-24 | 03-May-24 | 50 | 5@8H,W | ☐ F/R/P BridgeBarrier (B-674WB SpanAA) |
| B-674.SPAA.160 | Cure/Strip Bridge Barrier (B-674 WB Span AA) | 5 | 03-May-24 | 08-May-24 | 78 | CURE | 1 Cure/\$trip Bridge Barrler (B-674 WB Span AA) |
| B-674.SPAA.135 | Remove Overhangs (B-674 WB Span AA) | 2 | 09-May-24 | 10-May-24 | 51 | 5@8H,W | I Remove Overhangs (B-674 WB;Span AA) |
| ~~~~~ SPAN AB ~~~~~ | | | | | | | |
| B-674.SPAB.100 | Demolish/Remove Barrier/Porti on of Existing Deck (B-674 WB Span AB) | 2 | 31-Jan-24 | 01-Feb-24 | 13 | 5@8H,W | |
| ■ B-674.SPAB.105 | Erect Precast Concrete Beams for Widening (B-674 WB Span AB) | 1 | 01-Apr-24 | 02-Apr-24 | 12 | 5@8H,W |) Erect Precast Concrete Beams for Widening (B-674 WB Span AB) |
| B-674.SPAB.110 | Set Overhangs (B-674 WB Span AB) | 1 | 02-Apr-24 | 03-Apr-24 | 12 | 5@8H,W | J. Şet;Overhangs (B-674 WB Span/AB) |
| B-674.SPAB.115 | Set Deck Pans (B-674 WB Span AB) | 1 | 03-Apr-24 | 04-Apr-24 | 12 | 5@8H,W | 1 Set Deck Pans (B-674 WB Span AB) |
| B-674.SPAB.135 | Setup Temporary Jacking/Support System (B-674 WB Span AB) | 1 | 05-Apr-24 | 05-Apr-24 | 97 | 5@8H,W | |
| B-674.SPAB.140 | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span AB) | 6 | 09-Apr-24 | 17-Apr-24 | 97 | 5@8H,W | Jack Span/Gean Pedestalls/Perform Repairs/Replace Bearings (B-674 WB Span AB) |
| B-674.SPAB.120 | Place Deck Rebar (B-674 WB Span AB) | 3 | | 17-Apr-24 18-Apr-24 | 7 | | Place Deck Rebar (B-674 WB Span AB) |
| | Setup Bidwell/Place Deck (B-674 WB Span AB) | 2 | 12-Apr-24 | | | 5 @ 8 H, W | |
| B-674.SPAB.150 | | 7 | 18-Apr-24 | 22-Apr-24 | 51 | BRIDGE DECK | I Setup Bidwell/Place Dedk (B-674 WB Span AB) |
| B-674.SPAB.155 | Bridge Deck Curing (B-674 WB Span AB) | | 22-Apr-24 | 29-Apr-24 | 79 | CURE | Bridge Deck Curing (B-674,WB Span AB) |
| B-674.SPAB.160 | F/R/P Bridge Barrier (B-674 WB Span AB) | 4 | 23-Apr-24 | 30-Apr-24 | 52 | 5@8H,W | □ F/R/P BridgeBairieir (BI-674WB SpanAB) |
| B-674.SPAB.165 | Cure/Strip Bridge Barrier (B-674 WB Span AB) | 5 | 30-Apr-24 | 05-May-24 | 79 | CURE | Cure/Strip Bridge Barrier (B-674 WB Span AB) |
| B-674.SPAB.145 | Remove Overhangs (B-674 WB Span AB) | 2 | 06-May-24 | 07-May-24 | 51 | 5@8H,W | I Remove Overhangs (B-674 WB Span AB) |
| ~~~~~ SPAN AC ~~~~~ | | | | | | | |
| B-674.SPAC.100 | Demolish/Remove Barrier/Portion of Existing Deck (B-674 WB Span AC) | 2 | 29-Jan-24 | 30-Jan-24 | 13 | 5@8H,W | Derholish/Remove Barrier/Poyti on of Existing Deck (B-674 WB Span AC) |
| B-674.SPAC.125 | Setup Temporary Jacking/Support System (B-674 WB Span AC) | 1 | 27-Mar-24 | 27-Mar-24 | 97 | 5@8H,W | ; |
| B-674.SPAC.105 | Erect Precast Concrete Beams for Widening (B-674 WB Span AC) | 1 | 28-Mar-24 | 28-Mar-24 | 12 | 5@8H,W | Frect Precast Concrete Beams for Widening (B-674 WB Span AC) |
| ■ B-674.SPAC.130 | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span AC) | 6 | 28-Mar-24 | 04-Apr-24 | 97 | 5@8H,W | Jack Span/Clean Pedestal \$/Perform Repairs/Replace Bearings (B-674 WB Span AC) |
| ■ B-674.SPAC.110 | Set Overhangs (B-674 WB Span AC) | 1 | 29-Mar-24 | 29-Mar-24 | 12 | 5@8H,W | |
| I-Jun-22 Dec-26 | Critical Remaining Work Changed Work Dela | ay/Impact | | | <u>'</u> | _ | 2) VDOT I-64 SEGMENT 4C BID SCHEDULE.V7 |
| -Jun-22 May-22 | | erse Weather litional/Extra Wo | rk | | | | (RPT) BARCHART (11x17) TASK filter: All Activities Page 35 of 41 |



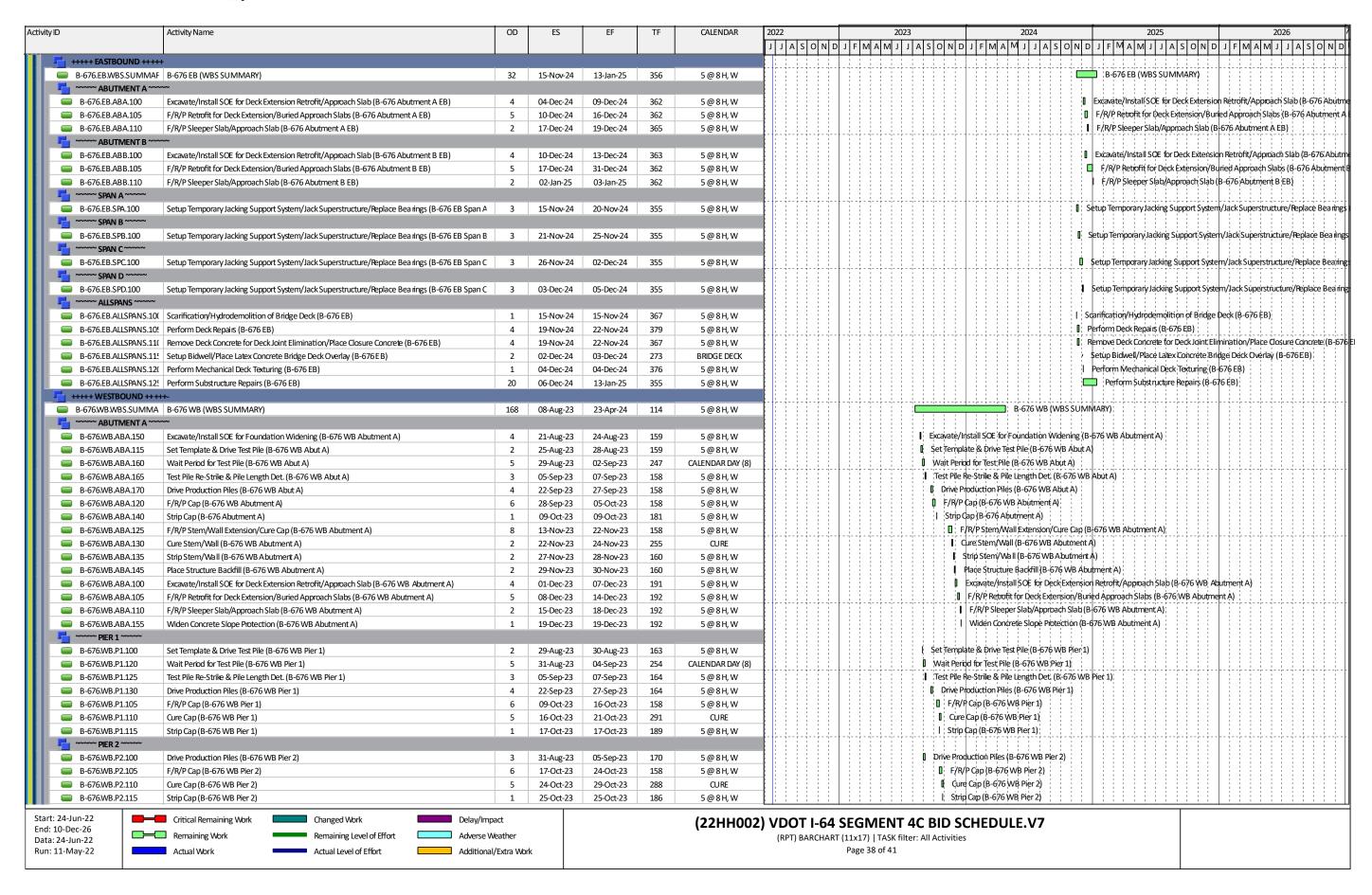
| | Activity Name | OD | ES | EF | TF | CALENDAR | 2022 2023 | 2024 | 2025 | 2026 |
|--|--|---|------------------------|------------------------|----------|--------------------------|---|---|--|-----------------|
| D 674 CDAC 11E | Set Dock Done (P. 674 M/P Span AC) | 1 | 01 Apr 24 | 01 000 34 | 12 | E @ OLI W | J J A S O N D J F M A M J J A S O N D | J F M A M J J A S O N D Set; Deck Pans (B-674 WB | | J F M A M J J |
| B-674.SPAC.115 | Set Deck Pans (B-674 WB Span AC) | 2 | 01-Apr-24 | 01-Apr-24 | 12 7 | 5@8H,W | - | Place Deck Rebar (B-674 VVB | | |
| B-674.SPAC.120 B-674.SPAC.145 | Place Deck Rebar (B-674 WB Span AC) | 3 2 | 09-Apr-24 | 12-Apr-24 | | 5 @ 8 H, W | | Sétup Bidwell/Place Dec | | |
| B-674.SPAC.145 B-674.SPAC.150 | Setup Bidwell/Place Deck (B-674 WB Span AC) Bridge Deck (Uring (B-674 WB Span AC) | 7 | 12-Apr-24 | 17-Apr-24 24-Apr-24 | 51 78 | BRIDGE DECK CURE | | Bridge Deck Curing (B-6 | | |
| B-674.SPAC.150 B-674.SPAC.155 | Bridge Deck Curing (B-674 WB Span AC) F/R/P Bridge Barrier (B-674 WB Span AC) | 4 | 17-Apr-24 19-Apr-24 | 24-Apr-24 25-Apr-24 | 78 51 | 5 @ 8 H, W | | F/R/P Bridge Barrier (B | | |
| B-674.SPAC.155 | Cure/Strip Bridge Barrier (B-674 WB Span AC) | 5 | 25-Apr-24 | 30-Apr-24 | 79 | CURE | | Cure/Strip Bridge Barri | | |
| B-674.SPAC.160 B-674.SPAC.135 | | 2 | 30-Apr-24 | 02-May-24 | 52 | 5 @ 8 H, W | - | Remove Overhangs (B | | |
| B-6/4.5PAC.135 | Remove Overhangs (B-674 WB Span AC) | | ου-Αμι-24 | UZ-IVIdY-Z4 | 52 | ა ლ ი n, w | | ■ vertions overtigities/p | PATE SPAINS | |
| B-674.SPAD.100 | Demolish/Remove Barrier/Porti on of Existing Deck (B-674 WB Span AD) | 2 | 25-Jan-24 | 26-Jan-24 | 12 | 5 @ 8 H, W | | Demolish/Remove Barrier/Portic | nof Existing Deck (B-674 WB Span AD) | |
| B-674.SPAD.125 | Setup Temporary Jacking/Support System (B-674 WB Span AD) | 1 | 18-Mar-24 | 18-Mar-24 | 97 | 5@8H,W | | | upport System (B-674 WB Span AD) | |
| B-674.SPAD.130 | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span AD) | 6 | 19-Mar-24 | 26-Mar-24 | 97 | 5@8H,W | - | | /Perform Repairs/Replace Bearings (B- | 674 WB Span AD) |
| B-674.SPAD.105 | Erect Precast Concrete Beams for Widening (B-674 WB Span AD) | 1 | 25-Mar-24 | 25-Mar-24 | 12 | 5@8H,W | | | ms for Widening (B-674 WB Span AD) | |
| B-674.SPAD.110 | Set Overhangs (B-674 WB Span AD) | 1 | 26-Mar-24 | 26-Mar-24 | 12 | 5@8H,W | | Set Overhangs (B-674 WB | | |
| B-674.SPAD.115 | Set Deck Pans (B-674 WB Span AD) | 1 | 27-Mar-24 | 27-Mar-24 | 12 | 5@8H,W | | Set Deck Pans (B-674 WB | | |
| B-674.SPAD.120 | Place Deck Rebar (B-674 WB Span AD) | 3 | 03-Apr-24 | 09-Apr-24 | 7 | 5@8H,W | | Place Deck Rebar (B-674 | | |
| B-674.SPAD.145 | Setup Bidwell/Place Deck (B-674 WB Span AD) | 2 | 09-Apr-24 | 11-Apr-24 | 53 | BRIDGE DECK | | Setup Bidwell/Place Dec | | |
| ■ B-674.SPAD.150 | Bridge Deck Curing (B-674 WB Span AD) | 7 | 11-Apr-24 | 18-Apr-24 | 83 | CURE | 71 | Bridge Deck Curing (B-6 | | |
| ■ B-674.SPAD.155 | F/R/P Bridge Barrier (B-674 WB SpanAD) | 4 | 12-Apr-24 | 19-Apr-24 | 53 | 5@8H,W | 7 | ☐ F/R/P Bridge Barrier (B- | | |
| ■ B-674.SPAD.160 | Cure/Strip Bridge Barrier (B-674 WB Span AD) | 5 | 19-Apr-24 | 24-Apr-24 | 83 | CURE | | Cure/Strip Bridge Barrie | r (B-674 WB Span AD) | |
| ■ B-674.SPAD.135 | Remove Overhangs (B-674 WB Span AD) | 2 | 24-Apr-24 | 26-Apr-24 | 53 | 5@8H,W | | Remove Overhangs (B- | | |
| ~~~~~ SPAN AE ~~~~ | | | | | | | | | | |
| B-674.SPAE.100 | Demolish/Remove Barrier/Porti on of Existing Deck (B-674 WB Span AE) | 2 | 23-Jan-24 | 24-Jan-24 | 10 | 5@8H,W | | I Demolish/Remove Barrier/Portio | n of Existing Deck (B-674 WB Span AE) | |
| ■ B-674.SPAE.125 | Setup Temporary Jacking/Support System (B-674 WB Span AE) | 1 | 07-Mar-24 | 07-Mar-24 | 97 | 5@8H,W | | Setup Temporary Jacking/Su | pport System (B-674 WB Span AE) | |
| ■ B-674.SPAE.130 | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span AE) | 6 | 08-Mar-24 | 15-Mar-24 | 97 | 5@8H,W | | Jack Span/Clean Pedestals/ | Perform Repairs/Replace Bearings (B-6 | 74 WB Span AE) |
| ■ B-674.SPAE.105 | Erect Precast Concrete Beams for Widening (B-674 WB Span AE) | 1 | 19-Mar-24 | 20-Mar-24 | 12 | 5@8H,W | | | ns for Widening (B-674 WB Span AE) | |
| ■ B-674.SPAE.110 | Set Overhangs (B-674 WB Span AE) | 1 | 20-Mar-24 | 21-Mar-24 | 12 | 5@8H,W | | I Set Overhangs (B-674 WB | | |
| ■ B-674.SPAE.115 | Set Deck Pans (B-674 WB Span AE) | 1 | 21-Mar-24 | 22-Mar-24 | 12 | 5@8H,W | | I Set Deck Pans (B-674 WB S | | |
| ■ B-674.SPAE.120 | Place Deck Rebar (B-674 WB Span AE) | 3 | 29-Mar-24 | 03-Apr-24 | 7 | 5@8H,W | | Place Deck Rebar (B-674) | | |
| ■ B-674.SPAE.145 | Setup Bidwell/Place Deck (B-674 WB Span AE) | 2 | 03-Apr-24 | 05-Apr-24 | 53 | BRIDGE DECK | | Setup Bidwell/Place Deck | (B-674 WB Span AE) | |
| ■ B-674.SPAE.150 | Bridge Deck Curing (B-674 WB Span AE) | 7 | 05-Apr-24 | 12-Apr-24 | 83 | CURE | | Bridge Deck Curing (B-67 | | |
| ■ B-674.SPAE.155 | F/R/P Bridge Barrier (B-674 WB SpanAE) | 4 | 09-Apr-24 | 16-Apr-24 | 54 | 5@8H,W | | ■ F/R/P BridgeBarrier (B- | | |
| ■ B-674.SPAE.160 | Cure/Strip Bridge Barrier (B-674 WB Span AE) | 5 | 16-Apr-24 | 21-Apr-24 | 82 | CURE | | Cure/Strip Bridge Barrie | (B-674 WB Span AE) | |
| B-674.SPAE.135 | Remove Overhangs (B-674 WB Span AE) | 2 | 22-Apr-24 | 23-Apr-24 | 54 | 5@8H,W | | Remove Overhangs (B- | 674 WB Span AE) | |
| ~~~~ SPAN AF ~~~~ | | | | | | | | | | |
| B-674.SPAG.100 | Demolish/Remove Barrier/Porti on of Existing Deck (B-674 WB Span AG) | 2 | 16-Jan-24 | 17-Jan-24 | 8 | 5@8H,W | | L Demolish/Remove Ramer/Portion | nof Existing Deck (B-674 WB Span AG) | |
| B-674.SPAG.100 B-674.SPAG.125 | | 1 | 20-Feb-24 | 20-Feb-24 | 8 97 | | :::::: :::::::::::::::::::::::::: | Setup Temporary Jacking/Sup | | |
| B-674.SPAG.125 B-674.SPAG.130 | Setup Temporary Jacking/Support System (B-674 WB Span AG) Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span AG) | 1 6 | 20-Feb-24 21-Feb-24 | 20-Feb-24 29-Feb-24 | 97 | 5@8H,W | - | | erform Repairs/Replace Bearings (B+674 | I W/R Snah A/G\ |
| | | 1 | 11-Mar-24 | 12-Mar-24 | 12 | 5 @ 8 H, W 5 @ 8 H, W | - - - - - - - - - - | | ns for Widening (B-674 WB Span AG) | - vab apairAG) |
| ■ B-674.SPAG.105 | Erect Precast Concrete Beams for Widening (B-674 WB Span AG) | 1 | 11-Mar-24 | 13-Mar-24 | 12 | | - | Set Overhangs (B-674 WB S | | |
| ■ B-674.SPAG.110 ■ B-674.SPAG.115 | Set Overhangs (B-674 WB Span AG) | 1 | 12-Mar-24 | 13-Mar-24 14-Mar-24 | | 5@8H,W | | Set Deck Pans (B-674 WB S | | |
| B-674.SPAG.115 | Set Deck Pans (B-674 WB Span AG) Place Deck Rebar (B-674 WB Span AG) | 3 | 21-Mar-24 | 26-Mar-24 | 12 7 | 5 @ 8 H, W 5 @ 8 H, W | :::::: :::::::::::::::::::::::::: | Place Deck Rebar (B-674 V | | |
| B-674.SPAG.145 | | 2 | 26-Mar-24 | 28-Mar-24 | 56 | BRIDGE DECK | | Setup Bidwell/Place Deck | | |
| B-674.SPAG.145 B-674.SPAG.150 | Setup Bidwell/Place Deck (B-674 WB Span AG) Bridge Deck Curing (B-674 WB Span AG) | 7 | 28-Mar-24 | 28-Mar-24 04-Apr-24 | 89 | CURE | | Bridge Deck Curing (B-67 | | |
| B-674.SPAG.155 | F/R/P Bridge Barrier (B-674 WB SpanAG) | 4 | 01-Apr-24 | 04-Apr-24 05-Apr-24 | 56 | 5 @ 8 H, W | | F/R/P Bridge Barrier (B-6 | 1 ! ! ! ! ! ! ! ! ! ! ! ! ! | |
| B-674.SPAG.155 | Cure/Strip Bridge Barrier (B-674 WB Span AG) | 4 5 | 05-Apr-24 | 10-Apr-24 | 89 | CURE | - | Cure/Strip Bridge Barrier | | |
| B-674.SPAG.135 | Remove Overhangs (B-674 WB Span AG) | 2 | 11-Apr-24 | 10-Apr-24 12-Apr-24 | 56 | 5 @ 8 H, W | - | Remove Overhangs (B-6 | | |
| SPAN AH | ויבוווסיב סיבווומוון איני שייים באמוויים ויבוויים איני שייים ויבוויים ויבווים ויבוויים ויבווים ויבוויים ויבווים וי | | 11-Whi-54 | 12-Ahi-54 | 30 | J @ 0 ∏, VV | | i indiriate Owning (Pro | , , | |
| B-674.SPAH.100 | Demolish/Remove Barrier/Porti on of Existing Deck (B-674 WB Span AH) | 2 | 12-Jan-24 | 15-Jan-24 | 7 | 5 @ 8 H, W | | Demolish/Remove Barrier/Porti or | of Existing Deck (B-674 WB Span AH) | |
| B-674.SPAH.125 | Setup Temporary Jacking/Support System (B-674 WB Span AH) | 1 | 08-Feb-24 | 08-Feb-24 | 97 | 5@8H,W | | Setup Temporary Jacking/Supp | | |
| B-674.SPAH.130 | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span AH) | 6 | 09-Feb-24 | 19-Feb-24 | 97 | 5@8H,W | | | form Repairs/Replace Bearings (B-674 | WB Span AH) |
| B-674.SPAH.105 | Erect Precast Concrete Beams for Widening (B-674 WB Span AH) | 1 | 07-Mar-24 | 07-Mar-24 | 12 | 5@8H,W | | | s for Widening (B-674 WB Span AH) | |
| B-674.SPAH.110 | Set Overhangs (B-674 WB Span AH) | 1 | 08-Mar-24 | 08-Mar-24 | 12 | 5@8H,W | | Set Overhangs (B-674 WB S | | |
| B-674.SPAH.115 | Set Deck Pans (B-674 WB Span AH) | 1 | 11-Mar-24 | 11-Mar-24 | 12 | 5@8H,W | | Set Deck Pans (B-674 WB S | | |
| B-674.SPAH.120 | Place Deck Rebar (B-674 WB Span AH) | 3 | 18-Mar-24 | 21-Mar-24 | 7 | 5@8H,W | | Place Deck Rebar (B-674 W | | |
| B-674.SPAH.145 | Setup Bidwell/Place Deck (B-674 WB Span AH) | | 21-Mar-24 | 25-Mar-24 | | BRIDGE DECK | | Setup Bidwell/Place Deck | | |
| | | | / | | | | | ر بولون المدال الله المال | 1 | |
| 4-Jun-22 -Dec-26 4-Jun-22 -May-22 | Remaining Work Remaining Level of Effort Adv | ay/Impact verse Weather ditional/Extra Work | | | | (22HH00 | 2) VDOT I-64 SEGMENT 4C BID SO (RPT) BARCHART (11x17) TASK filter: All Activities Page 36 of 41 | | | |





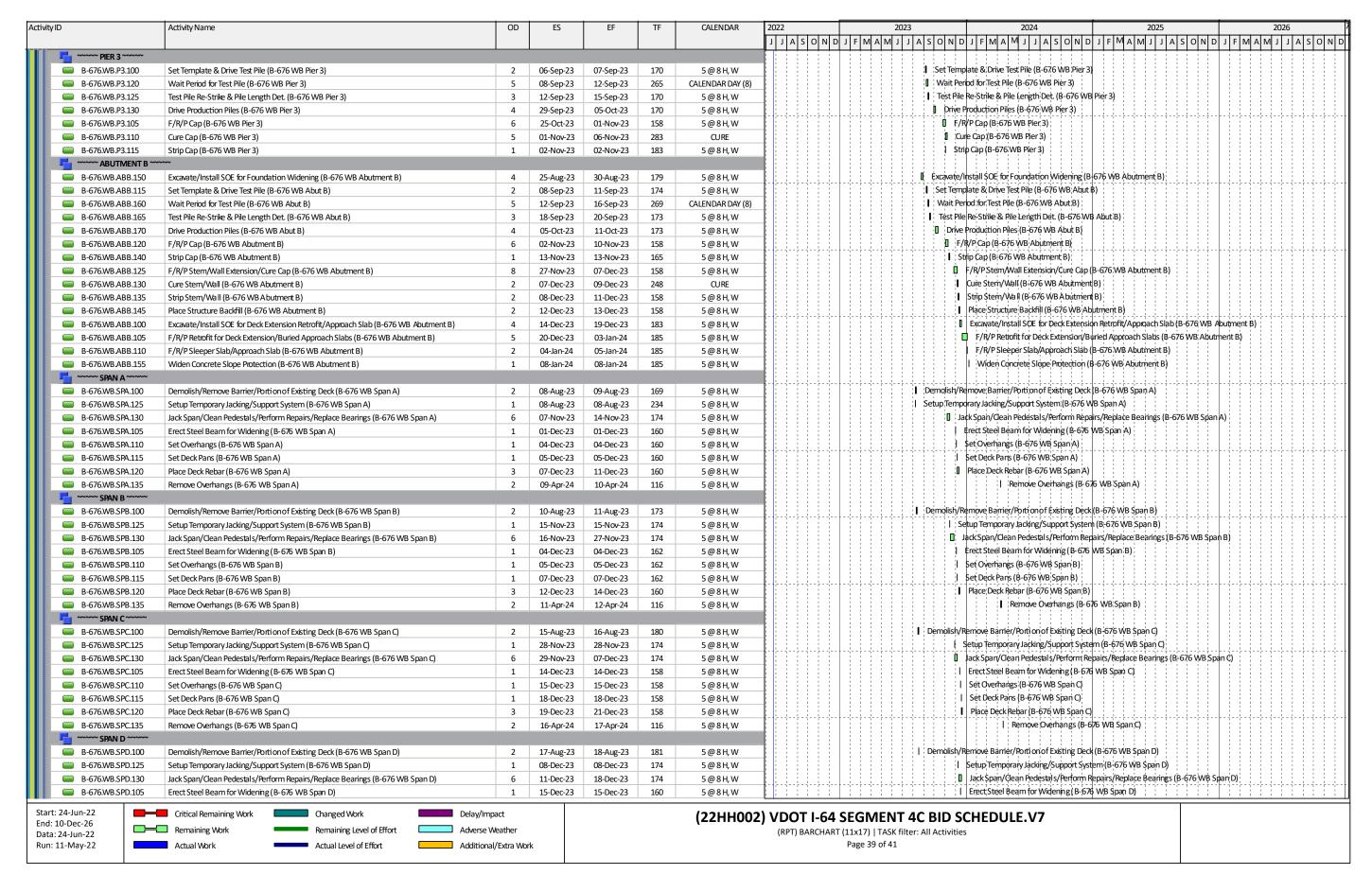
| | Activity Name | OD | ES | EF | TF | CALENDAR | 2022 2023 2024 2025 2026 |
|-------------------------------|--|-------------------|------------------------|------------------------|-----|--------------------------|--|
| B-674.SPAH.150 | Bridge Deck Curing (B-674 WB Span AH) | 7 | 25-Mar-24 | 01-Apr-24 | 86 | CURE | Bridge Deck Quring (B-674 WB Span AH) |
| B-674.SPAH.155 | F/R/P Bridge Barrier (B-674 WB SpanAH) | 4 | 27-Mar-24 | 01-Apr-24 02-Apr-24 | 56 | 5 @ 8 H, W | F/R/P Bridge Bairier (B-6/4WB Span AH); F/R/P Bridge Bairier (B-6/4WB Span AH); |
| B-674.SPAH.155 B-674.SPAH.160 | Cure/Strip Bridge Barrier (B-674 WB Span AH) | 5 | 02-Apr-24 | 02-Apr-24 07-Apr-24 | 87 | S @ 8 H, W | 1 Cure/Strip Bridge Barrier (B-674 WB Span AH) |
| B-674.SPAH.160 B-674.SPAH.135 | | 2 | · · | 10-Apr-24 | 56 | 5 @ 8 H, W | Remove Overhangs (B-674 WB Span AH) |
| 8-6/4.SPAH.135 | Remove Overhangs (B-674 WB Span AH) | | 09-Apr-24 | 10-Apr-24 | 50 | ა ლ o ⊓, vv | I memore overlidings to other whole with the state of the |
| B-674.SPAI.100 | Demolish/Remove Barrier/Porti on of Existing Deck (B-674 WB Span AI) | 2 | 10-Jan-24 | 11-Jan-24 | 6 | 5 @ 8 H, W | Demolish/Remove Barrier/Portion of Existing Deck (B-674 WB Span AI) |
| B-674.SPAI.100 B-674.SPAI.125 | | | | | 97 | | Setup Temporary Jacking/Support System (B-674 WB Spart Al) |
| B-674.SPAI.125 B-674.SPAI.130 | Setup Temporary Jacking/Support System (B-674 WB Span AI) | 6 | 30-Jan-24 31-Jan-24 | 30-Jan-24 07-Feb-24 | 97 | 5 @ 8 H, W 5 @ 8 H, W | Setup temporary Jacking/Support System (B-674 WB Span Al) Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span Al) |
| | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span Al) | - | 1 | | | | |
| B-674.SPAI.105 | Erect Precast Concrete Beams for Widening (B-674 WB Span AI) | 1 | 04-Mar-24 | 04-Mar-24 | 12 | 5@8H,W | I Erect Precast Concrete Beams for Widening (B-674 WB Span AI) |
| B-674.SPAI.110 | Set Overhangs (B-674 WB Span AI) | 1 | 05-Mar-24 | 05-Mar-24 | 12 | 5@8H,W | Set Overhangs (B-674 WB Splan AI) |
| B-674.SPAI.115 | Set Deck Pans (B-674 WB Span AI) | 1 | 06-Mar-24 | 06-Mar-24 | 12 | 5@8H,W | Set Deck Paris (B-674 WB Span AI) |
| B-674.SPAI.120 | Place Deck Rebar (B-674 WB Span AI) | 3 | 13-Mar-24 | 18-Mar-24 | 7 | 5@8H, W | (I) Place Deck Rebar (B-674;WB Span AI) |
| B-674.SPAI.145 | Setup Bidwell/Place Deck (B-674 WB Span AI) | 2 | 18-Mar-24 | 20-Mar-24 | 58 | BRIDGE DECK | Setup Bidwiell/Place Deck (B-674 WB Span AI) |
| B-674.SPAI.150 | Bridge Deck Curing (B-674 WB Span AI) | 7 | 20-Mar-24 | 27-Mar-24 | 90 | CURE | |
| B-674.SPAI.155 | F/R/P Bridge Barrier (B-674WB SpanAI) | 4 | 22-Mar-24 | 28-Mar-24 | 57 | 5@8H,W | F/R/P Bridge Barrier (B-67/4WB SpanAvl) |
| B-674.SPAI.160 | Cure/Strip Bridge Barrier (B-674 WB Span AI) | 5 | 28-Mar-24 | 02-Apr-24 | 90 | CURE | Cure/Strip Bridge Barrier (B-674,WB Span,AI) |
| B-674.SPAI.135 | Remove Overhangs (B-674 WB Span Al) | 2 | 03-Apr-24 | 04-Apr-24 | 57 | 5@8H,W | 1 Remove Overhangs (B; 674 WB Span AI) |
| ~~~~ SPAN AJ ~~~~ | | | | | | | |
| B-674.SPAJ.100 | Demolish/Remove Barrier/Portion of Existing Deck (B-674 WB Span AJ) | 2 | 08-Jan-24 | 09-Jan-24 | 5 | 5@8H,W | I Demolish/Remove Barrier/Porttion of Existing Deck (B-674 WB Span A.)) |
| B-674.SPAJ.125 | Setup Temporary Jacking/Support System (B-674 WB Span AJ) | 1 | 18-Jan-24 | 18-Jan-24 | 97 | 5@8H,W | I Setup Temporary Jacking/Support System (B-674 WB Span AJ) |
| B-674.SPAJ.130 | Jack Span/Clean Pedestal s/Perform Repairs/Replace Bearings (B-674 WB Span AJ) | 6 | 22-Jan-24 | 29-Jan-24 | 97 | 5@8H,W | D Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span AJ) |
| B-674.SPAJ.105 | Erect Precast Concrete Beams for Widening (B-674 WB Span AJ) | 1 | 28-Feb-24 | 29-Feb-24 | 11 | 5@8H,W | Erect Precast Concrete Beams for Widehing (B-674 WB Span AJ) |
| B-674.SPAJ.110 | Set Overhangs (B-674 WB Span AJ) | 1 | 29-Feb-24 | 01-Mar-24 | 11 | 5@8H,W | Set:Overhands (B-674 WB Span AJ); |
| B-674.SPAJ.115 | Set Deck Pans (B-674 WB Span AJ) | 1 | 01-Mar-24 | 04-Mar-24 | 11 | 5@8H,W |] Set Deck Pans (B-674 WB Span AJ) |
| B-674.SPAJ.120 | Place Deck Rebar (B-674 WB Span AJ) | 3 | 08-Mar-24 | 13-Mar-24 | 7 | 5@8H,W | I Place Deck Rebar (β-674 WB Span AI) |
| B-674.SPAJ.145 | Setup Bidwell/Place Deck (B-674 WB Span AJ) | 2 | 13-Mar-24 | 15-Mar-24 | 58 | BRIDGE DECK | Setup Bidwell/Place Deck (B-674 WB Span AJ) |
| B-674.SPAJ.150 | Bridge Deck Curing (B-674 WB Span AJ) | 7 | 15-Mar-24 | 22-Mar-24 | 89 | CURE | Bridge Deck Curing (B-674 WB Span AJ) |
| B-674.SPAJ.155 | F/R/P Bridge Barrier (B-674 WB Span AJ) | 4 | 19-Mar-24 | 25-Mar-24 | 59 | 5@8H,W | II F/R/P Bridge Barrier (B-674 WB Spah A J) |
| B-674.SPAJ.160 | Cure/Strip Bridge Barrier (B-674 WB Span AJ) | 5 | 25-Mar-24 | 30-Mar-24 | 89 | CURE | 🔲 Cure/Strip Bridge Barrier (B-674 WB Span AJ) |
| B-674.SPAJ.135 | Remove Overhangs (B-674 WB Span AJ) | 2 | 01-Apr-24 | 02-Apr-24 | 57 | 5 @ 8 H, W | Remove Overhangs (B-674 WB Span AJ) |
| ~~~~ SPAN AK ~~~~ | | | | | | | |
| B-674.SPAK.100 | Demolish/Remove Barrier/Portion of Existing Deck (B-674 WB Span AK) | 3 | 03-Jan-24 | 05-Jan-24 | 3 | 5@8H,W | Demolish/Remove Barrier/Point on of Existing Deck (B-674;WB Spari AK) |
| B-674.SPAK.125 | Setup Temporary Jacking/Support System (B-674 WB Span AK) | 1 | 09-Jan-24 | 09-Jan-24 | 97 | 5@8H,W | Setup Temporary Jacking/Support System (B-674 WB Span AK) |
| B-674.SPAK.130 | Jack Span/Clean Pedestals/Perform Repairs/Replace Bearings (B-674 WB Span AK) | 6 | 10-Jan-24 | 17-Jan-24 | 97 | 5@8H,W | ☐ Jack Span/Glean Pedestal s/Perform Repairs/Replace Bearings (B-674 WB Span/AK) |
| B-674.SPAK.105 | Erect Steel Beams for Widening (B-674 WB Span AK) | 1 | 27-Feb-24 | 28-Feb-24 | 9 | 5@8H,W | Erect Steel Beams for Widening (8-674 WB Span AK) |
| B-674.SPAK.110 | Set Overhangs (B-674 WB Span AK) | 1 | 28-Feb-24 | 29-Feb-24 | 9 | 5@8H,W | Set Overhangs (B-674 WB Span AK) |
| B-674.SPAK.115 | Set Deck Pans (B-674 WB Span AK) | 1 | 29-Feb-24 | 01-Mar-24 | 9 | 5@8H,W | Set Deck Pans (B-674 WB Span AK) |
| B-674.SPAK.120 | Place Deck Rebar (B-674 WB Span AK) | 3 | 05-Mar-24 | 08-Mar-24 | 7 | 5@8H,W | □ Place Deck Rebar (B-674 WB Span AK) |
| B-674.SPAK.150 | Setup Bidwell/Place Deck (B-674 WB Span AK) | 2 | 11-Mar-24 | 12-Mar-24 | 60 | BRIDGE DECK | Setup Bidwell/Place Deck (B-674 WB Span AK) |
| B-674.SPAK.155 | Bridge Deck Curing (B-674 WB Span AK) | 7 | 12-Mar-24 | 19-Mar-24 | 92 | CURE | D Bridge Deck Cyring (B-674 WB Span AK) |
| B-674.SPAK.160 | F/R/P Bridge Barrier (B -674 WB Span A K) | 4 | 15-Mar-24 | 21-Mar-24 | 60 | 5 @ 8 H, W | I F/R/P BridgeBarrier (B-674WB SpanAK) |
| B-674.SPAK.165 | Cure/Strip Bridge Barrier (B-674 WB Span AK) | 5 | 21-Mar-24 | 26-Mar-24 | 91 | CURE | II: Cure/Strip Bridge Barrier (B-674 WB Span AK) |
| B-674.SPAK.135 | Remove Overhangs (B-674 WB Span AK) | 2 | 28-Mar-24 | 29-Mar-24 | 57 | 5 @ 8 H, W | I Remove Overhangs (B-674 WB Span AK) |
| B-674.SPAK.140 | Setup Containment (Ifrequired) (B-674 Span AK) | 10 | 12-Apr-24 | 26-Apr-24 | 101 | 5 @ 8 H, W | □ Setup Containment (Ifrequired) (B-674 Span AK) |
| B-674.SPAK.145 | Prep/Spot Coat Steel B eams/Remove Containment (B-674 Span AK) | 10 | 30-Apr-24 | 14-May-24 | 101 | 5 @ 8 H, W | Prep/Spot Coat Steel B eams/Remove Containment (B-674 Span AK) |
| ~~~~ SPAN AL ~~~~ | Trep, spot wat steel beams, remove containment (b-0/4 span Art) | 10 | 30-Apr-24 | 14-1v1dy-24 | 101 | ა ლ o ⊓, vv | |
| | ~ | | | | | | |
| P 674 ALLSPANS 100 | | 24 | 21 4.15 22 | 22 Can 22 | 114 | E@OHW | Construct Trestle Berit 21 to Berit 17 (B-674 WB) |
| B-674.ALLSPANS.100 | | 24 | 21-Aug-23 | 22-Sep-23 | 114 | 5@8H,W | Construct Trestle (Shore) to Pier 8 (B-674 WB) |
| B-674.ALLSPANS.105 | | 12 | 25-Sep-23 | 11-Oct-23 | 143 | 5@8H,W | |
| B-674.ALLSPANS.106 | | 12 | 24-Jun-24 | 11-Jul-24 | 40 | 5@8H,W | Remove Trestle Bent 21 to Bent 17 (B-674 WB) |
| B-674.ALLSPANS.107 | | 6 | 11-Jul-24 | 22-Jul-24 | 40 | 5@8H,W | Remove Trestle (Shore) to Pier 8 (B-674 WB) |
| B-674.ALLSPANS.111 | | 30 | 08-Aug-24 | 24-Sep-24 | 14 | 5@8H,W | Install Bridge Mounted Noise Bartier (B-674 WB Allspans) |
| B-674.ALLSPANS.115 | | 8 | 16-Sep-24 | 26-Sep-24 | 3 | 5@8H,W | Scarification/Hydrodemiolition/Concrete Repairs (B-674WB Allspans) |
| B-674.ALLSPANS.120 | | 8 | 24-Sep-24 | 03-Oct-24 | 3 | BRIDGE DECK | Place Latex Concrete Bridge Deck Overlay (B-674 WB Allspans) |
| B-674.ALLSPANS.125 | | 3 | 04-Oct-24 | 08-Oct-24 | 3 | 5@8H,W | ■ Mechanical Bridge Deck Texturing (B-674/WB Allspans) |
| **** B-676 / BRIDG | GE OVER SETTLER'S LANDING RD ***** | | | | | | |
| un-22 | Critical Remaining Work Changed Work Del | av/lmnact | | | | /22::::22 | ALLOST LOGGERATATE ACRIB COLUER LILE V.T. |
| ec-26 | | ay/Impact | | | | (22HH002 | 2) VDOT I-64 SEGMENT 4C BID SCHEDULE.V7 |
| lun-22 | Remaining Work Remaining Level of Effort Adv | verse Weather | | | | | (RPT) BARCHART (11x17) TASK filter: All Activities |
| | Actual Work Actual Level of Effort Ado | ditional/Extra Wo | . 1 | | | | Page 37 of 41 |





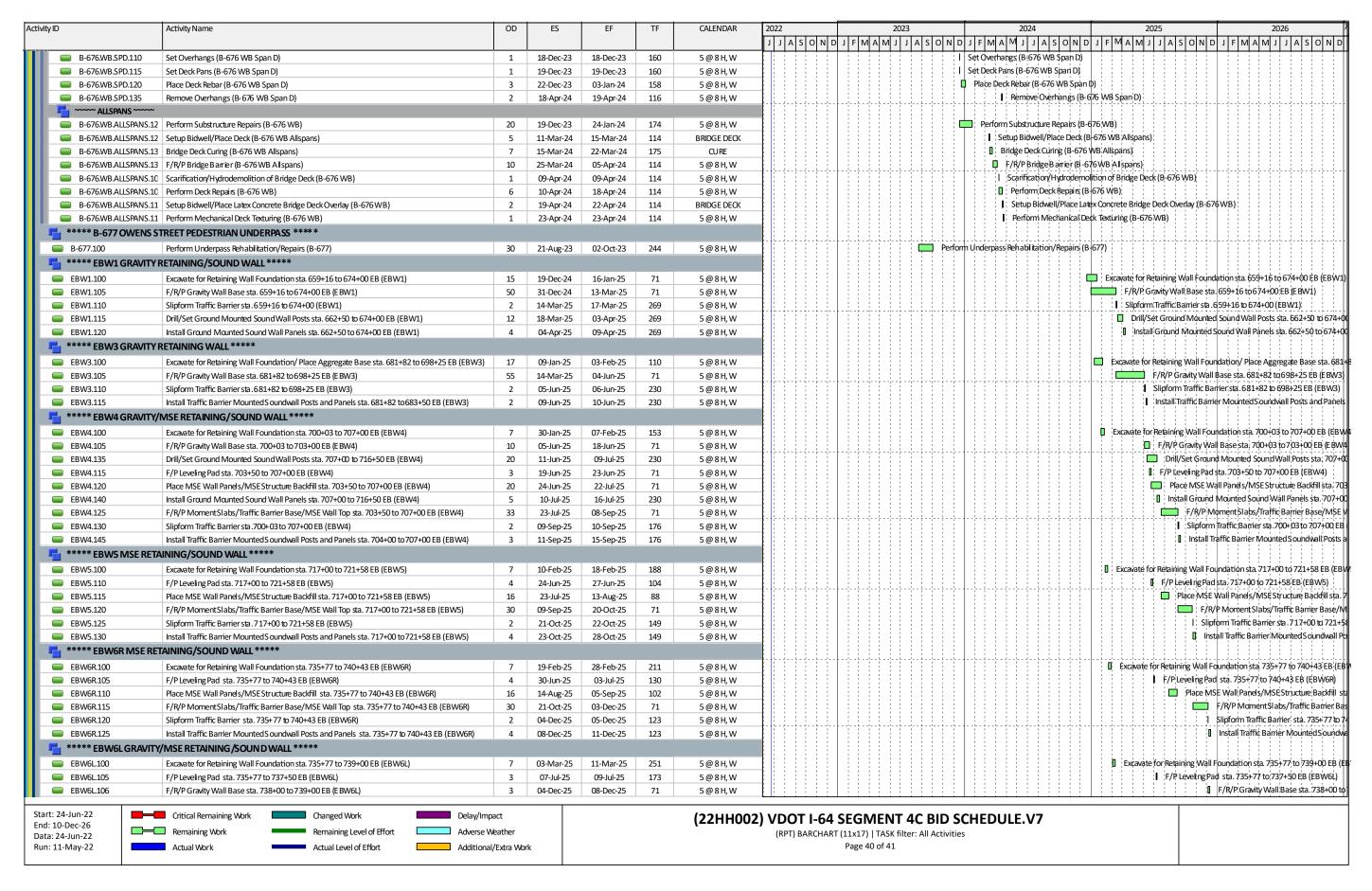




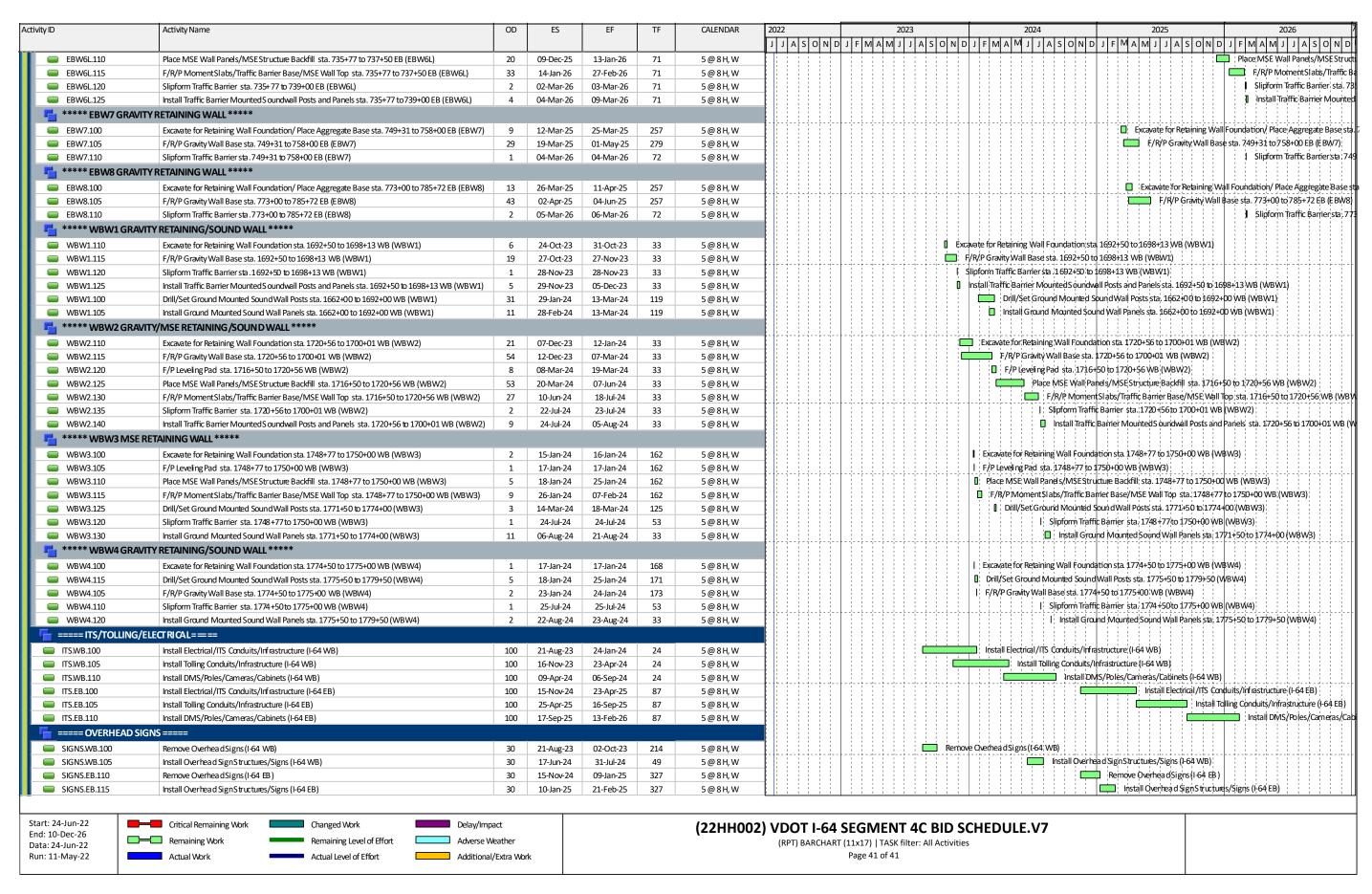














Request for Proposals Part 1 Instructions for Offerors November 10, 2021 I-64 Hampton Roads Express Lanes (HREL) Segment 4C City of Hampton, Virginia Project No. 0064-114-374, P101, R201, C501 Contract ID # C00117841DB111

ATTACHMENT 3.6.6

ALTERNATIVE TECHNICAL CONCEPT (ATC) RESPONSE FORM

| ATC ID | NUN | MBER: 01 |
|-----------|-------------|--|
| ATC NA | ME- | -DESCRIPTION: I-64 EB Bridge over Hampton River Pier 9 Extension |
| OFFER | OR: | Wagman-Fay JV |
| DATE A | ATC S | SUBMITTED: 02/25/2022 |
| | \boxtimes | (A) The proposed ATC is acceptable for inclusion in the Proposal with such conditions, modifications and/or requirements as identified by VDOT in Attachment 1 of this response. |
| | | (B) The ATC is not acceptable for inclusion in the Proposal. |
| | | (C) The submittal does not qualify as an ATC but may be included in the Offeror's Proposal because it appears to be within the requirements of the RFP. |
| | | |
| Signed: _ | | et Hedrick 3/16/22 et M. Hedrick, PE, DBIA |
| DATE O | F AT | C RESPONSE: March 17, 2022 |

Commonwealth of Virginia Virginia Department of Transportation

Request for Proposals Part 1 Instructions for Offerors November 10, 2021 I-64 Hampton Roads Express Lanes (HREL) Segment 4C
City of Hampton, Virginia
Project No. 0064-114-374, P101, R201, C501
Contract ID # C00117841DB111

ATTACHMENT 3.6.6 (cont.)

ALTERNATIVE TECHNICAL CONCEPT (ATC) RESPONSE FORM

ATC ID NUMBER: 01

ATC NAME-DESCRIPTION: I-64 EB Bridge over Hampton River Pier 9 Extension

OFFEROR: Wagman-Fay JV

DATE ATC SUBMITTED: 02/25/2022

ATTACHMENT 1

- 1. The final design shall provide minimum clearances in accordance with the graphic submitted with the ATC. The Design-Builder shall be responsible for documenting and submitting a design waiver for the proposed variances from the Zone of Intrusion requirements identified in Section 15.02-1 of the VDOT Structure and Bridge Manual prior to submitting stage 1 report.
- 2. Beam spacing and overhangs shall meet the RFP requirements.
- 3. Details for joining the existing and new cap shall be shown in the Stage 1 report. These details shall at a minimum include general dimensions, proposed bar layout, demolition (if required) and temporary support details (if required). Grouted reinforcement in tension will require design approval of the Department. Please note that the Department in its sole discretion may approve or reject such design approval request.
- 4. Minimum pile spacing between existing and proposed piles shall be 3 x diameter or side dimension of piles.
- 5. Reinforcement in cap and columns shall be CRR Steel Class I according to IIM-81.
- 6. Design approval will be required for modifications of joint details for the kinked joint. Joint shall be sized to meet the requirements of proposed skew and shall be perpendicular to the parapet.
- 7. For variable length girders, the deflections of the beams shall have similar deflections and a refined analysis shall be required.

I-64 Hampton Roads Express Lanes (HREL) Segment 4C City of Hampton, Virginia Project No. 0064-114-374, P101, R201, C501 Contract ID # C00117841DB111

ATTACHMENT 3.6.7 LIST OF APPROVED ATCs INCLUDED IN TECHNICAL PROPOSAL

OFFEROR:

List all approved ATCs included in the Technical Proposal along with the page number references from Technical Proposal.

| ATC ID Number | ATC Name Description | Date ATC Approved | Technical Proposal Reference Page(s) # |
|------------------|---|----------------------|---|
| ATC 1 | I-64 EB Bridge over Hampton River Pier 9 Extension | March 17, 2022 | 14, 15, 16, 17, 72 |
| | | | |
| | | | |
| | | | |

By signing this document, the Offeror hereby confirms that they are agreeing to all conditions that may have accompanied the ATC approval(s). The Offerors shall make a note of RFP Part 4 Section 2.1.10

"If the Contract Documents incorporate any ATCs and Design-Builder, for whatever reason: (a) does not comply with one or more Department conditions of pre-approval for the ATC; (b) does not obtain required third-party approval for the ATC; or (c) fails to implement the ATC, then Design-Builder shall: (1) provide written notice thereof to Department; and (2) comply with the requirements in the Contract Documents that would have applied in the absence of such ATC. Such compliance shall be without any increase in the Contract Price or extension to the Contract Time(s). For the avoidance of doubt, Design-Builder shall not be entitled to any increase in the Contract Price or extension of the Contract Time(s) as a result of any delay, inability or cost associated with the acquisition of any property that may be required to implement any ATC."

| | 2001 |
|--------|---------------------------------------|
| | e: Offerors POC or Principal Officer) |
| Glen | K. Mays Namel |
| Vice (| President & General Manager |
| DATE: | May 10, 2022 |

ATTACHMENT 3.7

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION

| KI I | NO. | C00117841DB111 | |
|--|--|---|--|
| PROJ | ECT NO.: | 0064-114-374 P101, R201, C501 | |
| ACKNOV | VLEDGEM | ENT OF RFP, REVISION AND/OR ADDENDA | |
| visions and/or addend ior to the Letter of Su | da pertaining ibmittal submi | of receipt of the Request for Proposals (RFP) and/or any and all to the above designated project which are issued by the Department ission date shown herein. Failure to include this acknowledgement in the rejection of your proposal. | |
| | | Offeror acknowledges receipt of the RFP and/or following revisions ove designated project which were issued under cover letter(s) of the | |
| 1. Cov | ver letter of | RFP - November 10, 2021 | |
| 2.7 | | (Date) RFP Addendum #1 - December 17,2021 | |
| 2. Cov | er letter of | | |
| | ver letter of ver letter of | (Date) RFP Addendum #2 - January 25, 2022 | |
| 3. Cov | | (Date) RFP Addendum #2 - January 25, 2022 (Date) RFP Addendum #3 - February 15, 2022 | |
| Cov Cov | ver letter of | (Date) RFP Addendum #2 - January 25, 2022 (Date) RFP Addendum #3 - February 15, 2022 (Date) RFP Addendum #4 - March 28, 2022 | |
| Cov Cov Cov | ver letter of | (Date) RFP Addendum #2 - January 25, 2022 (Date) RFP Addendum #3 - February 15, 2022 (Date) RFP Addendum #4 - March 28, 2022 (Date) RFP Addendum #5 - April 15, 2022 | |
| Cov Cov Cov Cov | ver letter of ver letter of | (Date) RFP Addendum #2 - January 25, 2022 (Date) RFP Addendum #3 - February 15, 2022 (Date) RFP Addendum #4 - March 28, 2022 (Date) | |
| Cov Cov Cov Cov | ver letter of ver letter of ver letter of ver letter of | (Date) RFP Addendum #2 - January 25, 2022 (Date) RFP Addendum #3 - February 15, 2022 (Date) RFP Addendum #4 - March 28, 2022 (Date) RFP Addendum #5 - April 15, 2022 (Date) RFP Addendum #6 - April 26, 2022 | |

PRINTED NAME

TITLE

I-64 Hampton Roads Express Lanes (HREL) Segment 4C City of Hampton, Virginia Project No. 0064-114-374 P101, R201, C501 Contract ID # C00117841DB111

ATTACHMENT 9.3.1 PROPOSAL PAYMENT AGREEMENT

THIS PROPOSAL PAYMENT AGREEMENT (this "Agreement") is made and entered into as of this <u>29th</u> day of <u>April</u>, 2022, by and between the Virginia Department of Transportation ("VDOT"), and <u>Wagman Fay SE a Joint Venture</u> ("Offeror").

WITNESSETH:

WHEREAS, Offeror is one of the entities who submitted Statements of Qualifications ("SOQs") pursuant to VDOT's April 30., 2021 Request for Qualifications ("RFQ") and was invited to submit proposals in response to a Request for Proposals ("RFP") for the I-64 Hampton Roads Express Lanes (HREL) Segment 4C, Project No. 0064-114-374 P101, R201, C501 ("Project"), under a design-build contract with VDOT ("Design-Build Contract"); and

WHEREAS, as part of the procurement process for the Project, Offeror has already provided and/or furnished to VDOT, and may continue to provide and/or furnish to VDOT, certain intellectual property, materials, information and ideas, including, but not limited to, such matters that are: (a) conveyed verbally and in writing during proprietary meetings or interviews; and (b) contained in, related to or associated with Offeror's proposal, including, but not limited to, written correspondence, designs, drawings, plans, exhibits, photographs, reports, printed material, tapes, electronic disks, or other graphic and visual aids (collectively "Offeror's Intellectual Property"); and

WHEREAS, VDOT is willing to provide a payment to Offeror, subject to the express conditions stated in this Agreement, to obtain certain rights in Offeror's Intellectual Property, provided that Offeror submits a proposal that VDOT determines to be responsive to the RFP ("Offeror's Proposal"), and either (a) Offeror is not awarded the Design-Build Contract; or (b) VDOT cancels the procurement or decides not to award the Design-Build Contract to any Offeror; and

WHEREAS, Offeror wishes to receive the payment offered by VDOT, in exchange for granting VDOT the rights set forth in this Agreement.

NOW, THEREFORE, in consideration of the mutual covenants and agreements set forth in this Agreement and other good and valuable consideration, the receipt and adequacy of which are acknowledged by the parties, the parties agree as follows:

Request for Proposals Part 1 Instructions for Offerors November 10, 2021 I-64 Hampton Roads Express Lanes (HREL) Segment 4C
City of Hampton, Virginia
Project No. 0064-114-374 P101, R201, C501
Contract ID # C00117841DB111

- VDOT's Rights in Offeror's Intellectual Property. Offeror hereby conveys to VDOT all rights, title and interest, free and clear of all liens, claims and encumbrances, in Offeror's Intellectual Property, which includes, without restriction or limitation, the right of VDOT, and anyone contracting with VDOT, to incorporate any ideas or information from Offeror's Intellectual Property into: (a) the Design-Build Contract and the Project; (b) any other contract awarded in reference to the Project; or (c) any subsequent procurement by VDOT. In receiving all rights, title and interest in Offeror's Intellectual Property, VDOT is deemed to own all intellectual property rights, copyrights, patents, trade secrets, trademarks, and service marks in Offeror's Intellectual Property, and Offeror agrees that it shall, at the request of VDOT, execute all papers and perform all other acts that may be necessary to ensure that VDOT's rights, title and interest in Offeror's Intellectual Property are protected. The rights conferred herein to VDOT include, without limitation, VDOT's ability to use Offeror's Intellectual Property without the obligation to notify or seek permission from Offeror.
- **2.** Exclusions from Offeror's Intellectual Property. Notwithstanding Section 1 above, it is understood and agreed that Offeror's Intellectual Property is not intended to include, and Offeror does not convey any rights to, the Escrow Proposal Documents submitted by Offeror in accordance with the RFP.
- 3. Proposal Payment. VDOT agrees to pay Offeror the lump sum amount of Three Hundred Thousand and 00/100 Dollars (\$300,000.00) ("Proposal Payment"), which payment constitutes payment in full to Offeror for the conveyance of Offeror's Intellectual Property to VDOT in accordance with this Agreement. Payment of the Proposal Payment is conditioned upon: (a) Offeror's Proposal being, in the sole discretion of VDOT, responsive to the RFP; (b) Offeror complying with all other terms and conditions of this Agreement; and (c) either (i) Offeror is not awarded the Design-Build Contract, or (ii) VDOT cancels the procurement or decides not to award the Design-Build Contract to any Offeror.
- 4. Payment Due Date. Subject to the conditions set forth in this Agreement, VDOT will make payment of the Proposal Payment to the Offeror within forty-five (45) days after the later of: (a) notice from VDOT that it has awarded the Design-Build Contract to another Offeror; or (b) notice from VDOT that the procurement for the Project has been cancelled and that there will be no Contract Award.
- 5. <u>Effective Date of this Agreement</u>. The rights and obligations of VDOT and Offeror under this Agreement, including VDOT's ownership rights in Offeror's Intellectual Property, vests upon the date that Offeror's Proposal is submitted to VDOT. Notwithstanding the above, if Offeror's Proposal is determined by VDOT, in its sole discretion, to be nonresponsive to the RFP, then Offeror is deemed to have waived its right to obtain the Proposal Payment, and VDOT shall have no obligations under this Agreement.

- **6.** <u>Indemnity</u>. Subject to the limitation contained below, Offeror shall, at its own expense, indemnify, protect and hold harmless VDOT and its agents, directors, officers, employees, representatives and contractors from all claims, costs, expenses, liabilities, demands, or suits at law or equity ("Claims") of, by or in favor of or awarded to any third party arising in whole or in part from: (a) the negligence or wilful misconduct of Offeror or any of its agents, officers, employees, representatives or subcontractors; or (b) breach of any of Offeror's obligations under this Agreement, including its representation and warranty under Section 8 hereof. This indemnity shall not apply with respect to any Claims caused by or resulting from the sole negligence or wilful misconduct of VDOT, or its agents, directors, officers, employees, representatives or contractors.
- 7. <u>Assignment</u>. Offeror shall not assign this Agreement, without VDOT's prior written consent, which consent may be given or withheld in VDOT's sole discretion. Any assignment of this Agreement without such consent shall be null and void.
- 8. <u>Authority to Enter into this Agreement</u>. By executing this Agreement, Offeror specifically represents and warrants that it has the authority to convey to VDOT all rights, title, and interest in Offeror's Intellectual Property, including, but not limited to, those any rights that might have been vested in team members, subcontractors, consultants or anyone else who may have contributed to the development of Offeror's Intellectual Property, free and clear of all liens, claims and encumbrances.

9. Miscellaneous.

- a. Offeror and VDOT agree that Offeror, its team members, and their respective employees are not agents of VDOT as a result of this Agreement.
- b. Any capitalized term used herein but not otherwise defined shall have the meanings set forth in the RFP.
- c. This Agreement, together with the RFP, embodies the entire agreement of the parties with respect to the subject matter hereof. There are no promises, terms, conditions, or obligations other than those contained herein or in the RFP, and this Agreement shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties hereto.
- d. It is understood and agreed by the parties hereto that if any part, term, or provision of this Agreement is by the courts held to be illegal or in conflict with any law of the Commonwealth of Virginia, validity of the remaining portions or provisions shall not be affected, and the rights and obligations of the parties shall be construed and enforced as if the Agreement did not contain the particular part, term, or provisions to be invalid.

Request for Proposals Part 1 Instructions for Offerors November 10, 2021

I-64 Hampton Roads Express Lanes (HREL) Segment 4C City of Hampton, Virginia Project No. 0064-114-374 P101, R201, C501 Contract ID # C00117841DB111

This Agreement shall be governed by and construed in accordance with the laws of the Commonwealth of Virginia.

IN WITNESS WHEREOF, this Agreement has been executed and delivered as of the day and year first above written.

VIRGINIA DEPARTMENT OF TRANSPORTATION

| By: | |
|--------|----------------------------------|
| Name: | |
| Title: | |
| Wagma | an Fay SE a Joint Venture |
| By: | - Elika |
| Name: | Glen K. Mays |
| Title: | Vice President & General Manager |

Project No.: 0064-114-374 P101, R201, C501

0 0 01

- The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
- a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency.
- b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; and have not been convicted of any violations of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification, or destruction of records, making false statements, or receiving stolen property;
- c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph 1) b) of this certification; and
 - Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
- Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

| - and | Sten K. Mays April 7, 2022 | Vice President & General Manage |
|---------------|----------------------------|---------------------------------|
| Signature | Date | Title |
| Wagman Fay SE | , a Joint Venture | |
| Name of Firm | | |

Project No.: 0064-114-374 P101, R201, C501

- The prospective primary participant certifies to the best of its knowledge and belief, that
 it and its principals:
- a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency.
- b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; and have not been convicted of any violations of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification, or destruction of records, making false statements, or receiving stolen property;
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 governmental entity (Federal, State or local) with commission of any of the offenses enumerated
 in paragraph 1) b) of this certification; and
 - d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
- 2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

| llen K.Mays April 7, 2022 | Vice President & General Manage |
|---------------------------|---------------------------------|
| Date | Title |
| il, Inc. | |
| | Date Vil, Inc. |

Project No.: 0064-114-374 P101, R201, C501

- 1) The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
- a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency.
- b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; and have not been convicted of any violations of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification, or destruction of records, making false statements, or receiving stolen property;
- c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph 1) b) of this certification; and
 - d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
- 2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

| ISMA | April 7, 2022 | Secretary | |
|--------------------|---------------|-----------|--|
| Signature | Date | Title | |
| FAY Southeast Inc. | | | |
| Name of Firm | | | |

Project No.: 0064-114-374 P101, R201, C501

- The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

5/10/2022

EXP U.S. Services, Inc.

Project No.: 0064-114-374 P101, R201, C501

- The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

| -7 | 3.24.22 | VICE PERSIDENT |
|-----------|---------|----------------|
| Signature | Date | Title |

Curtis Contracting, Inc.

Project No.: 0064-114-374 P101, R201, C501

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- 2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

| Kal | 3 Sut | 5-6-22 | Chief Engineer |
|-----------|--------------|--------|----------------|
| Signature | Date | | Title |
| | PSI Intertek | | |

Project No.: 0064-114-374 P101, R201, C501

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- 2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

03/24/2022 President

Polizos & Company Communications

Project No.: 0064-114-374 P101, R201, C501

- The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- 2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

| Canual 145 | 5/3/2022 | President |
|--------------|----------|-----------|
| Signature | Date | Title |
| HWR | | |
| Name of Firm | | |

Project No.: 0064-114-374 P101, R201, C501

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The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

| James 1 Vigor | 111 11 WWW 3/24/2022 | President |
|----------------|----------------------|-----------|
| Signature / | Date 3/24/2022 | Title |
| Quinn Consulti | ng Services, Inc. | |

Project No.: 0064-114-374 P101, R201, C501

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
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The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

Paul J. Navarro 5-4-22 President + CEO

Signature Date Title

Navarro & Wright Consulting Engineers, Inc.

Project No.: 0064-114-374 P101, R201, C501

- The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

| Stank 1 20th May 3, 2022 | President | |
|-----------------------------|-----------|--|
| Signature Date | Title | |
| O. R. Colan Associates, LLC | | |
| Name of Firm | | |

Project No.: 0064-114-374 P101, R201, C501

- The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
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| Keith Ri | 5/3/22 | Vice President |
|--------------|--------|----------------|
| Signature | Date | Title |
| Mead & Hi | int | |
| Name of Firm | | |

Project No.: 0064-114-374 P101, R201, C501

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- 2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

| Steve Ha | usani A | 5.9-22 | Swarve Journelous Houser |
|-----------|---------|--------|--------------------------|
| Signature | Date | | Title |

Survey and Mapping LLC

Project No.: 0064-114-374 P101, R201, C501

- The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- 2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

| Mohe Zo | May 3, 2022 | General Manager |
|--------------|-------------|-----------------|
| Signature / | Date | Title |
| Iteris | | |
| Name of Firm | | |

ATTACHMENT 11.8.6(b) CERTIFICATION REGARDING DEBARMENT LOWER TIER COVERED TRANSACTIONS

Project No.: 0064-114-374 P101, R201, C501

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- 2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

| Roberts 5/6/22 Signature Date | |
|----------------------------------|--|
| T.Y. Lin International | |
| Name of Firm | |

ATTACHMENT 11.8.6(b) CERTIFICATION REGARDING DEBARMENT LOWER TIER COVERED TRANSACTIONS

Project No.: 0064-114-374 P101, R201, C501

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- 2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

Wetland Studies and Solutions, Inc.

Name of Firm





DEPARTMENT OF TRANSPORTATION

Stephen C. Brich, P.E. Commissioner

1401 East Broad Street Richmond, Virginia 23219 (804) 786-2701 Fax: (804) 786-2940

May 4, 2022

Ms. Beth Silverman Wetland Studies and Solutions, Inc. 5300 Wellington Branch Drive, Suite 100 Gainesville, Virginia 20155

Subject: Conflict of Interest Determination

I-64 Hampton Roads Express Lanes Segment 4C

UPC: 117841

Dear Ms. Silverman,

Thank you for your letter dated May 3, 2022 requesting a conflict of interest determination. It is VDOT's understanding that this request is being made prior to Wagman-Fay JV adding your firm as part of its team. Our review of your request is based on VDOT's policy on organizational conflicts of interest (COI) and federal procurement regulations.

Per the information provided in your letter, WSSI acquired Kerr Environmental Services Corporation (KES) in November 2018 and EEE Consulting, Inc. (3e) in November 2020.

KES participated in the procurement phase for the Hampton Roads Bridge Tunnel Project for the Hampton Roads Connector Partners (HRCP) and Dragados to analyze environmental issues as a local environmental advisor. KES has not performed any work for the HRCP and Dragados after the award of the Hampton Roads Bridge Tunnel Project.

3e completed a Phase 1 Environmental Site Assessment for the lease of a property to be used for a concrete batch plant. This work was performed as a subconsultant to WRA who has a permitting support services contract with HRCP. This work was completed in February 2020. Per a follow up e-mail on May 2, 2022, you had indicated that WSSI will not be performing any additional work on this contract.

3e also completed asbestos and lead inspections on the existing eastbound and westbound Hampton Roads Bridge Tunnel tubes and the shop building. This work was competed between 2014 and 2017 under the Hazardous Materials and Compliance Services Statewide on call contract (Contract ID 44115).

VirginiaDOT.org WE KEEP VIRGINIA MOVING



From: Suril Shah <suril.shah@vdot.virginia.gov>

Sent: Wednesday, May 4, 2022 9:16 AM **To:** Glen K. Mays <gkmays@wagman.com>

Subject: RE: I-64 HREL Segment 4C - Non-Key Personnel Changes

Good morning Glen - VDOT has reviewed and approved your team change request as per noted below:

- 1. Hydrologic & Hydraulic/ River Mechanics: Beth Wangaard, P.E. (EXP U.S. Services, Inc., voluntary termination of employment) will be replaced by Brian Olson, PE (EXP U.S. Services, Inc.).
- 2. Railroads Engineering/ Coordination: Nate Morriss, P.E., S.E. (EXP U.S. Services, Inc., voluntary termination of employment) will be replaced by John Flint, PE (EXP U.S. Services, Inc.).
- 3. Demolition Expert: Les Carpenter (WFJV, voluntary termination of employment) will by replaced by Clint Filges (WFJV).
- **4.** Environmental Compliance Manager- Ian Westbrook (WFJV, voluntary change of employment) will be replaced by Julia Conners (WSSI). Adding WSSI as a team member.
- 5. Contractor Incident Management Coordinator George Polizos (Polizos & Company Communications) is being replaced with Danny Plott to comply with the RFP requirements associated with the CIMC. These requirements were introduced during RFP stage and were not known at the time of submitting SOQs.

Please note that RFP does not require submission of resumes for the ECM or CIMC at the Technical proposal stage; however, VDOT reserves the right to verify the qualifications of these individuals at any given time and may in its sole discretion elect to do so prior to Award of the Contract. Please also note the requirements related to changes in the organizational chart and narrative as outlined in RFP Part 1, Section 4.2.

Please let me know if you have any questions or concerns.

Thanks, Suril



Suril Shah

Sr. Project Delivery Engineer-APD Alternative Project Delivery VDOT 804-225-3799 suril.shah@VDOT.Virginia.gov









I-64 Hampton Roads Express Lanes (HREL) Segment 4C Volume II

VDOT

State Project No.: 0064-114-374 P101, R201, C501 Federal Project No.: NHPP-064-3(522) Contract ID Number: C00117841DB111

May 12, 2022













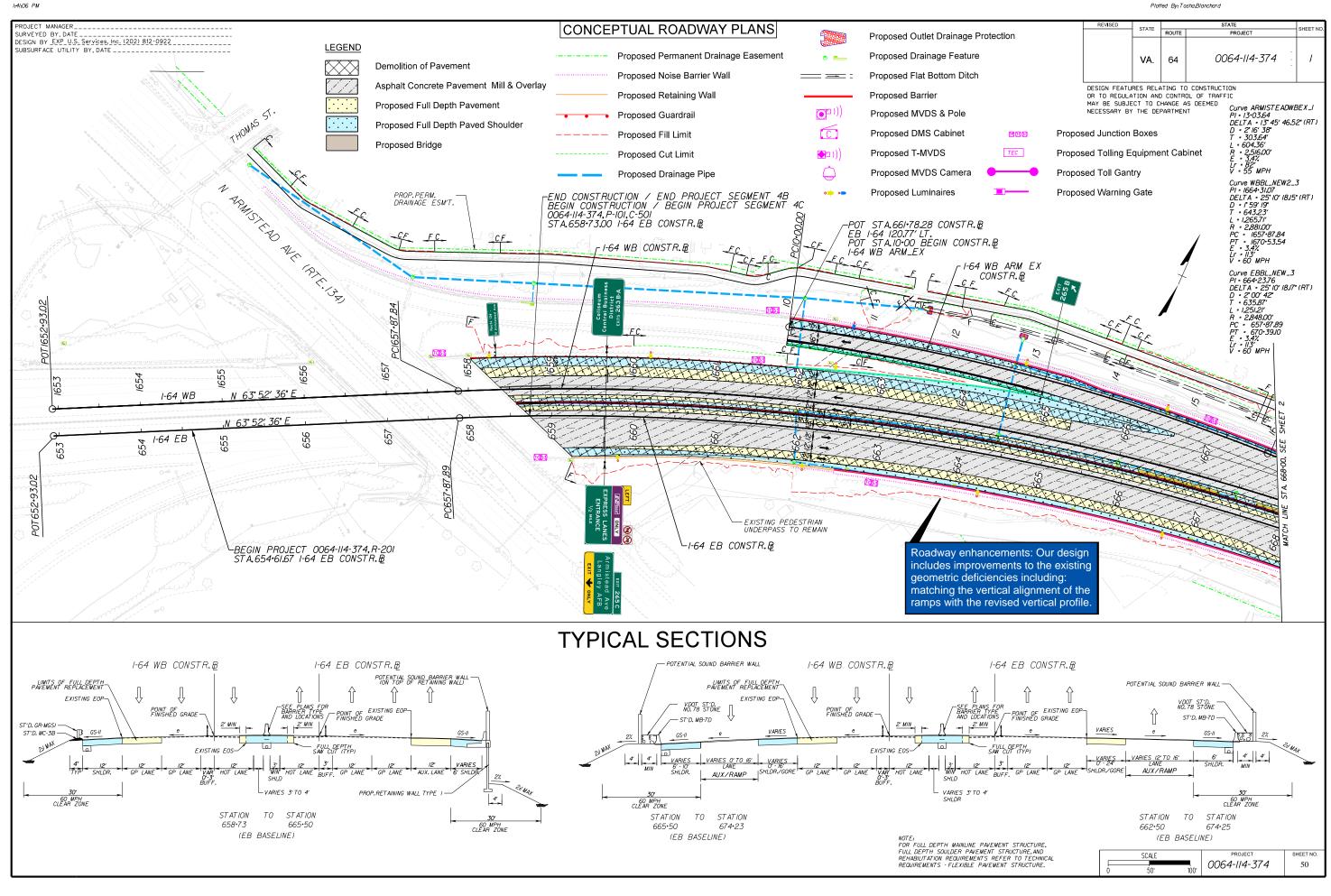


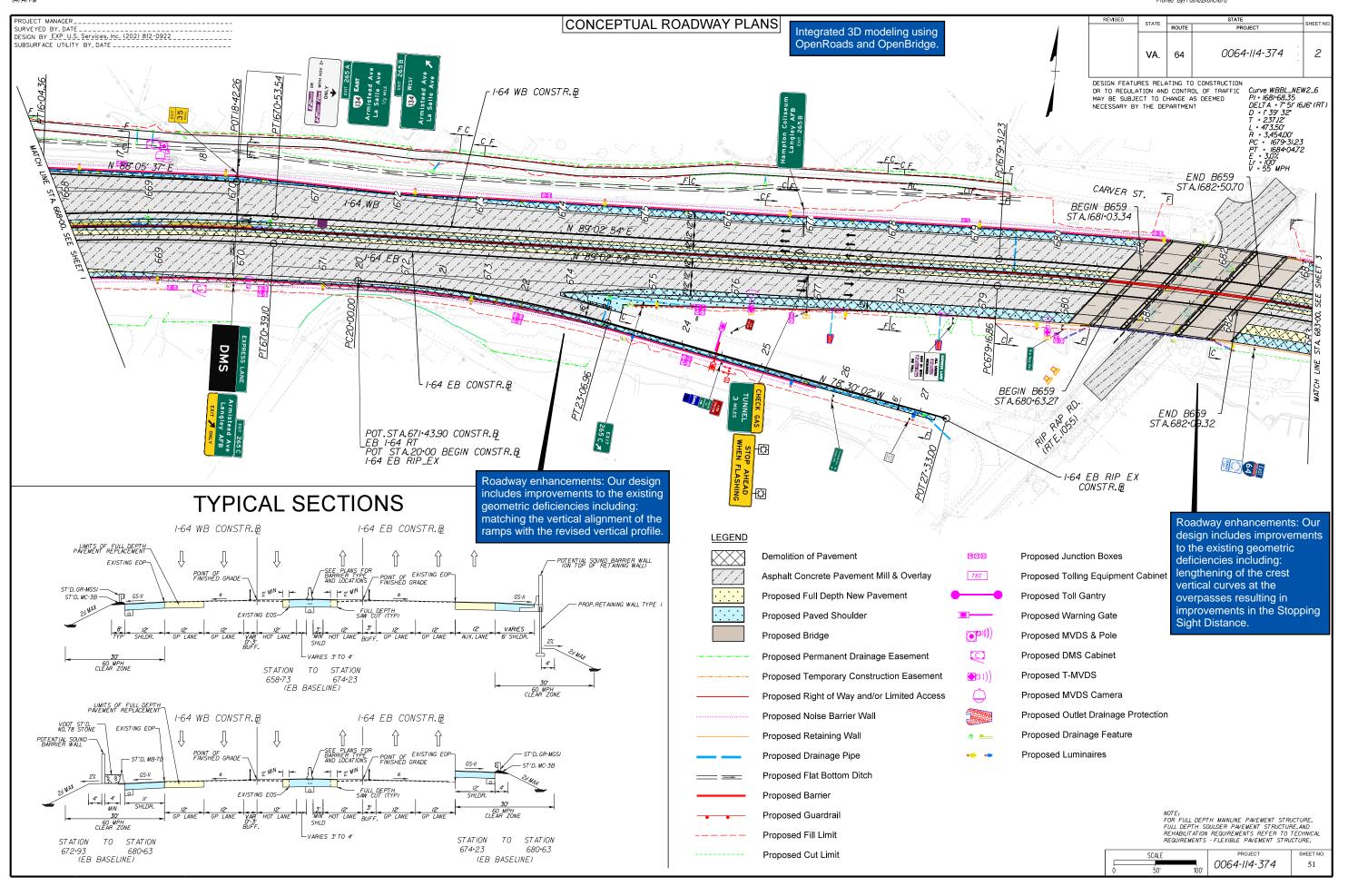


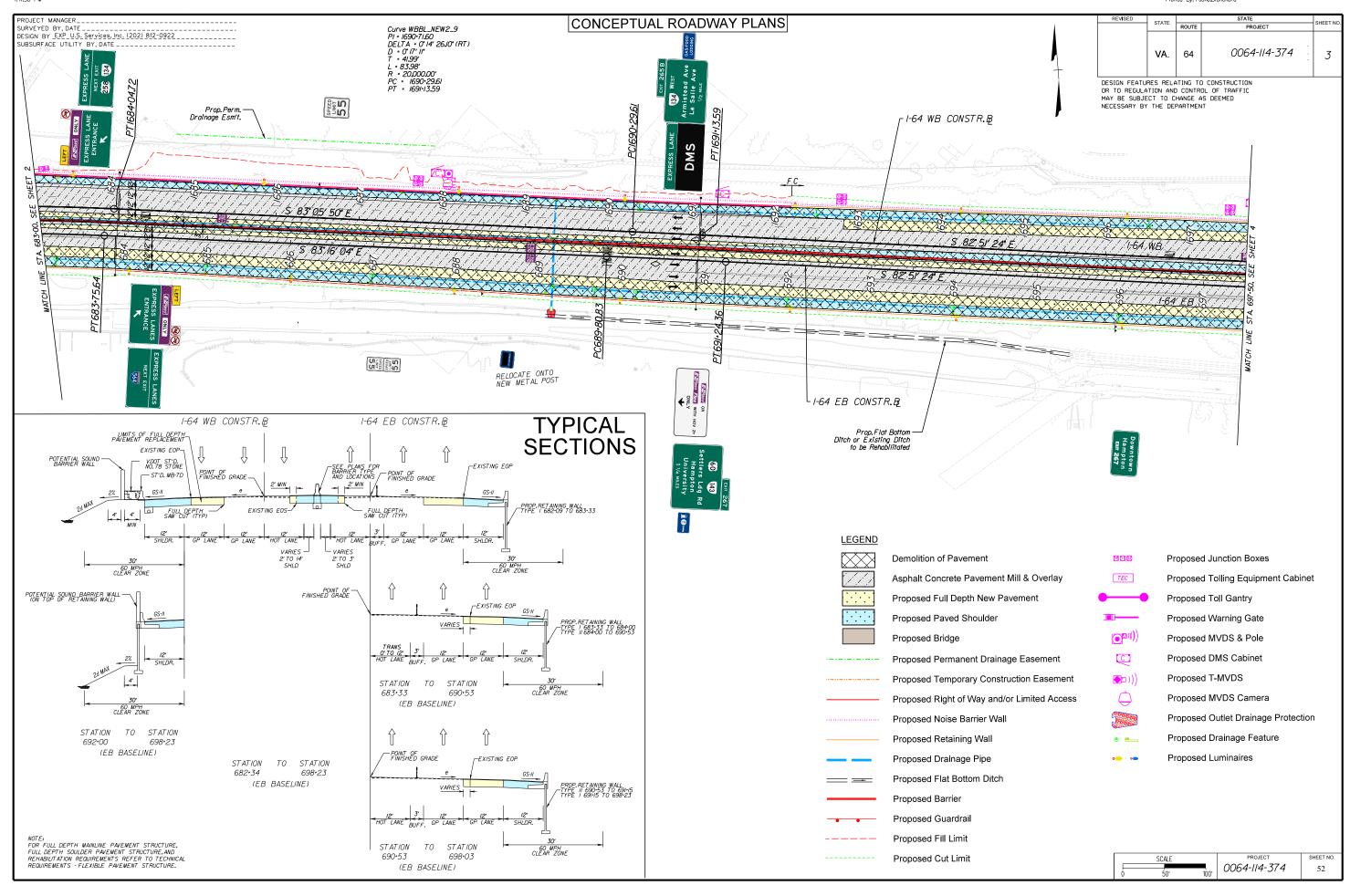


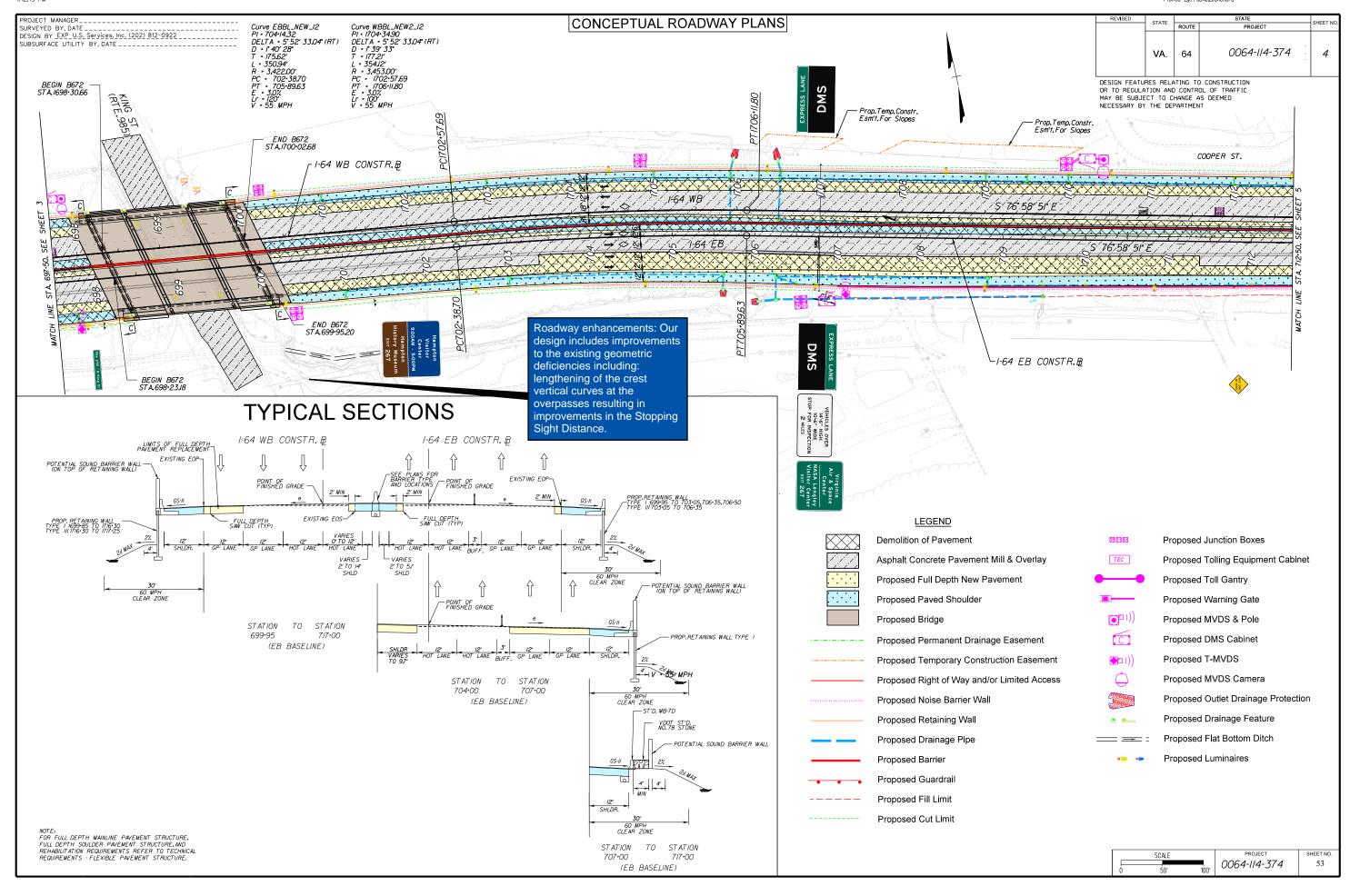


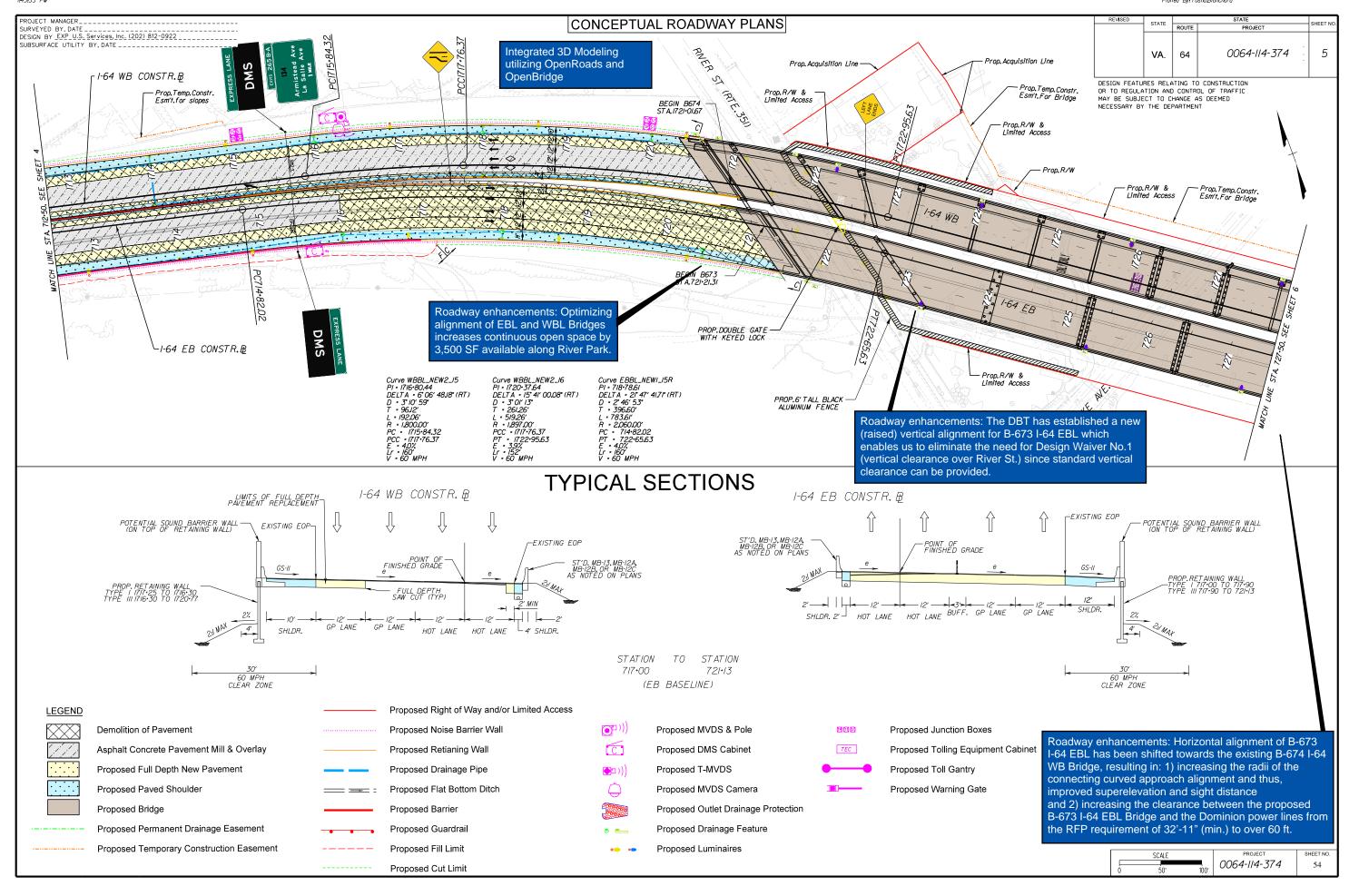


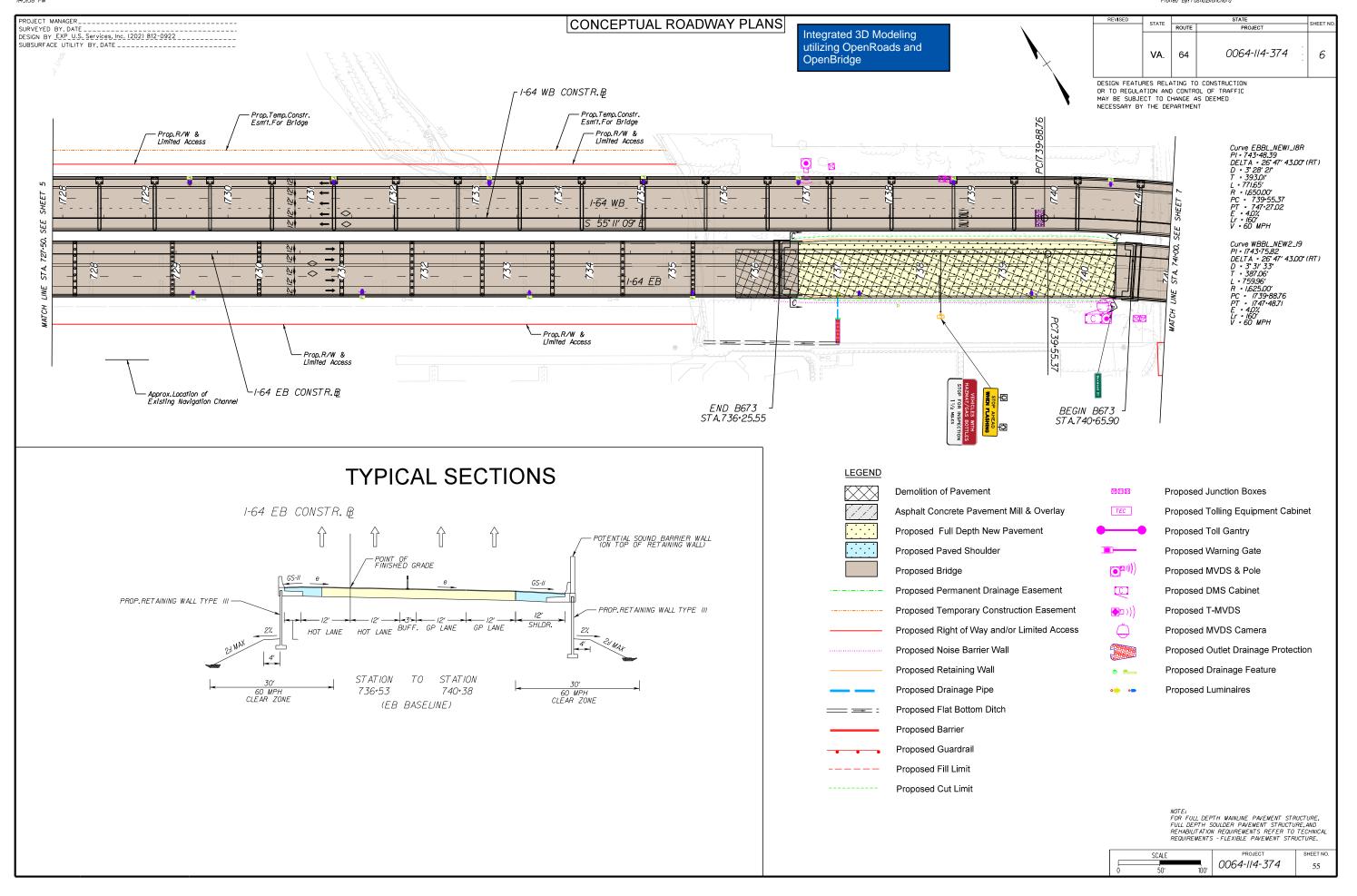


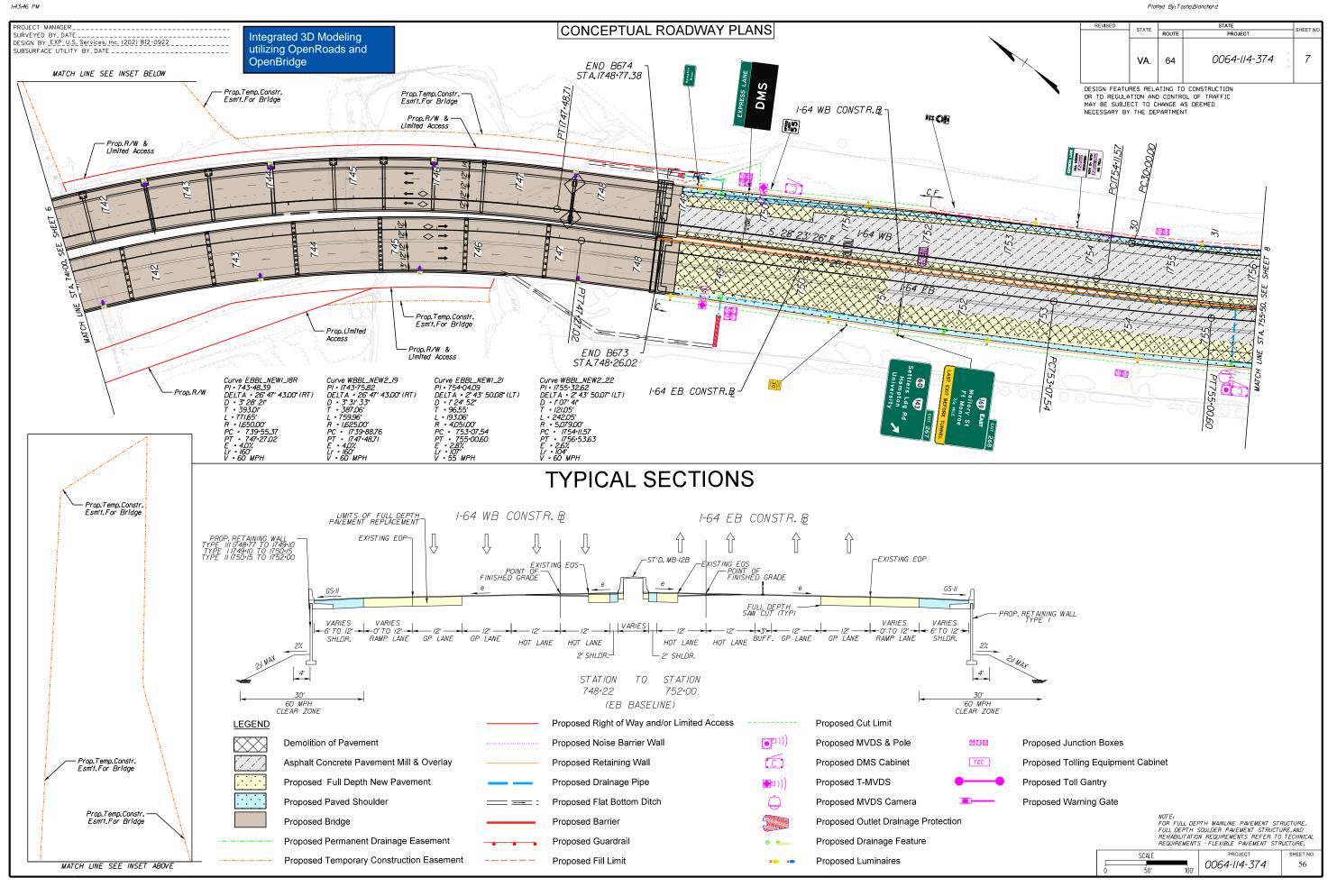


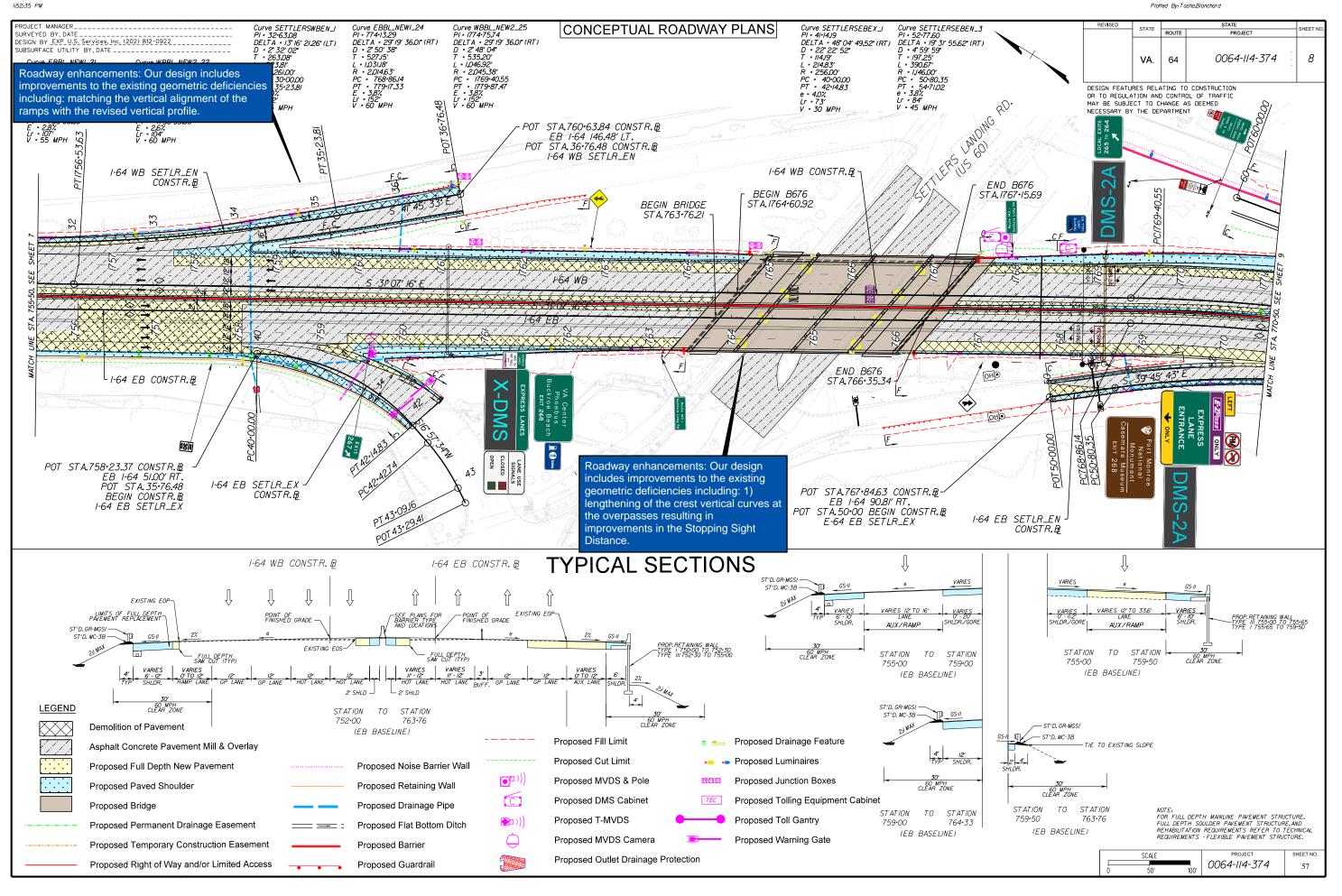


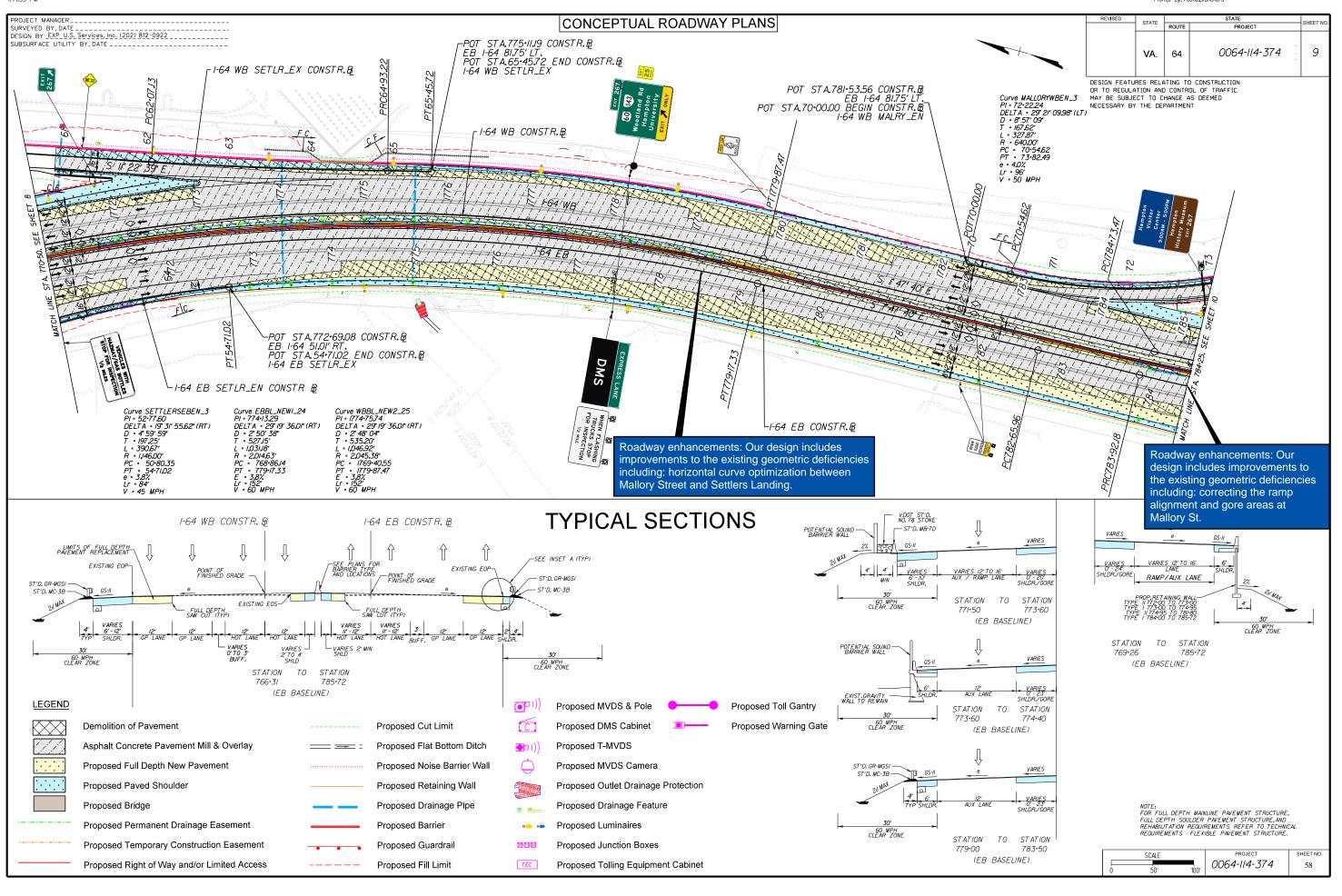


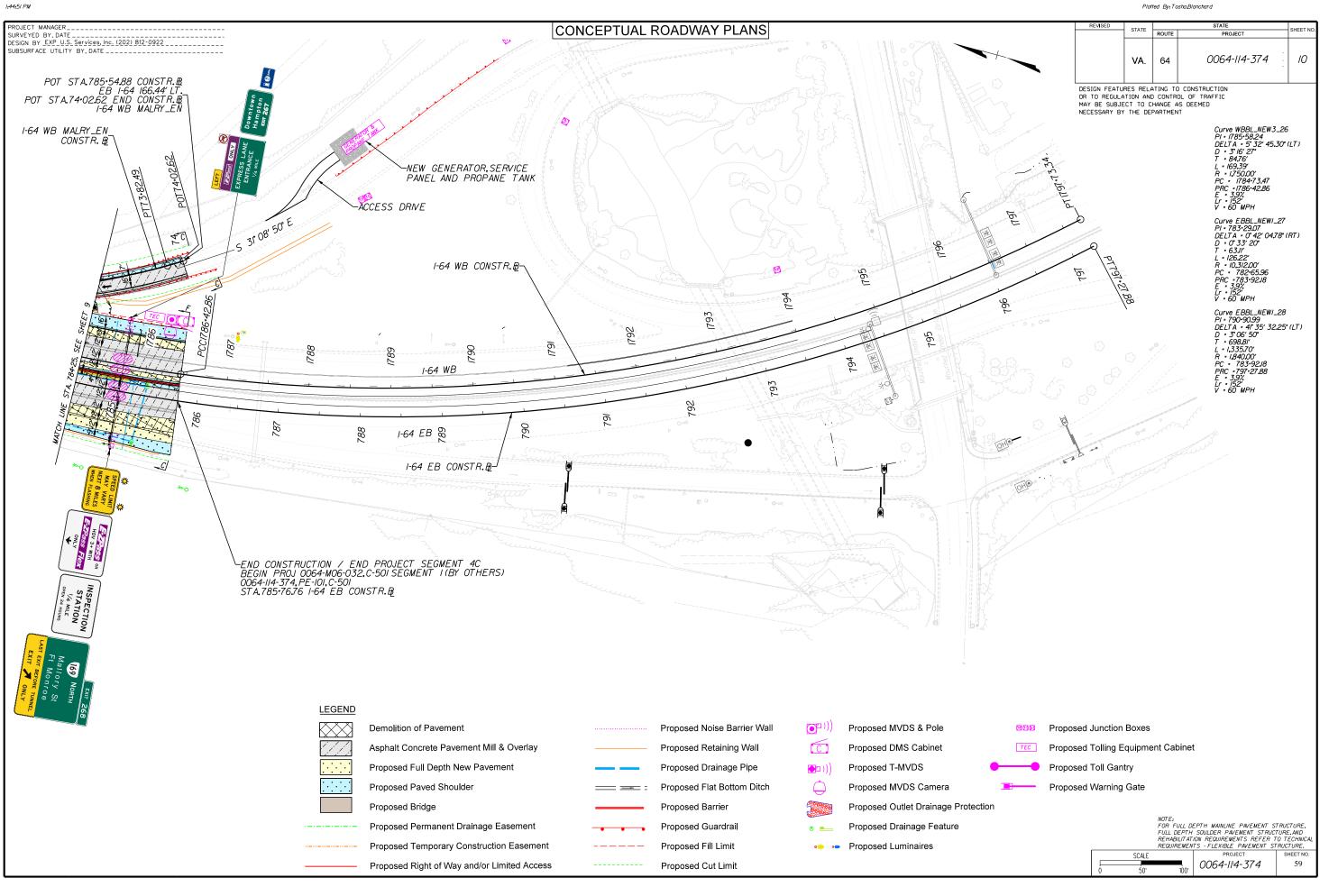




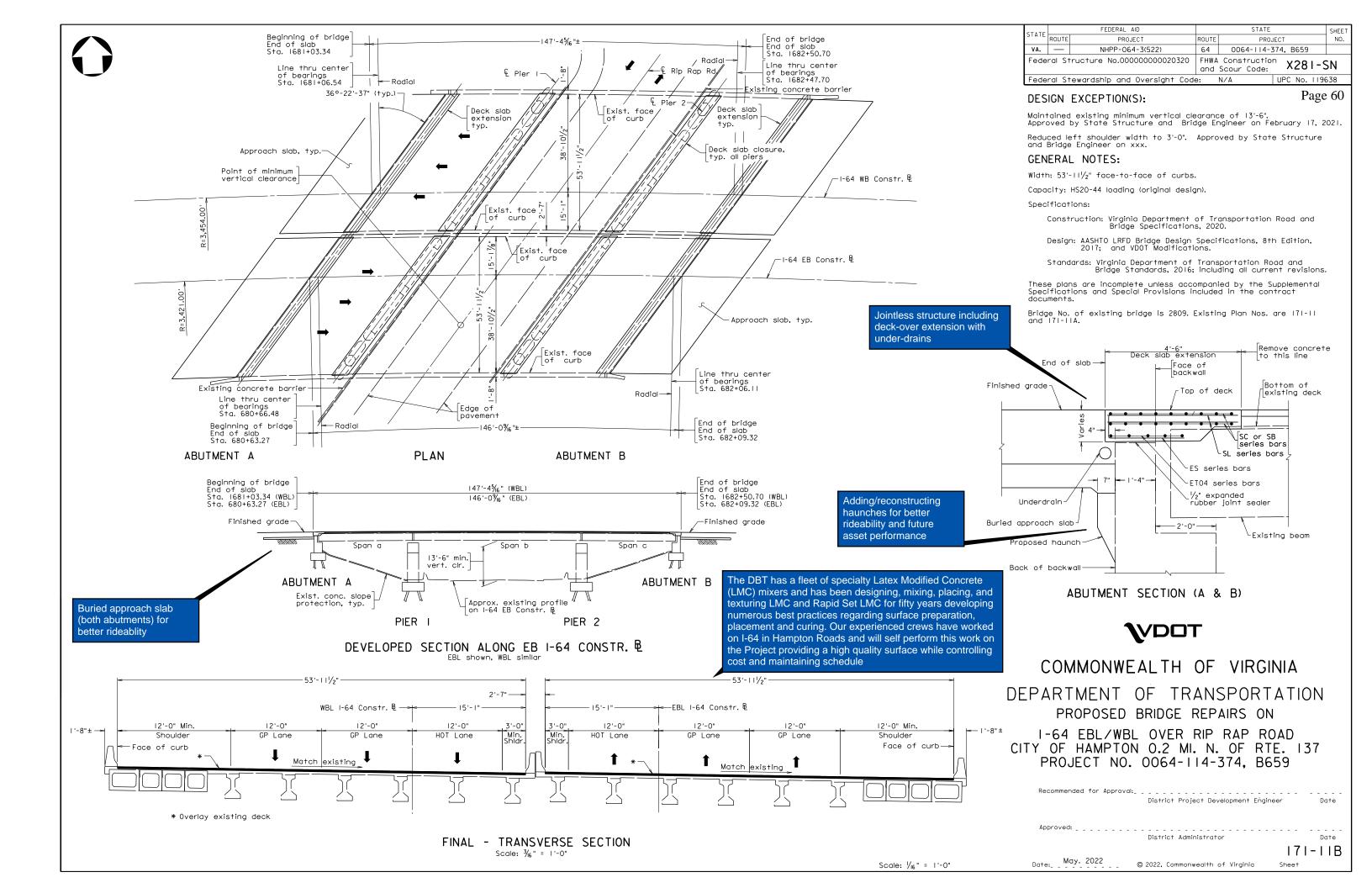


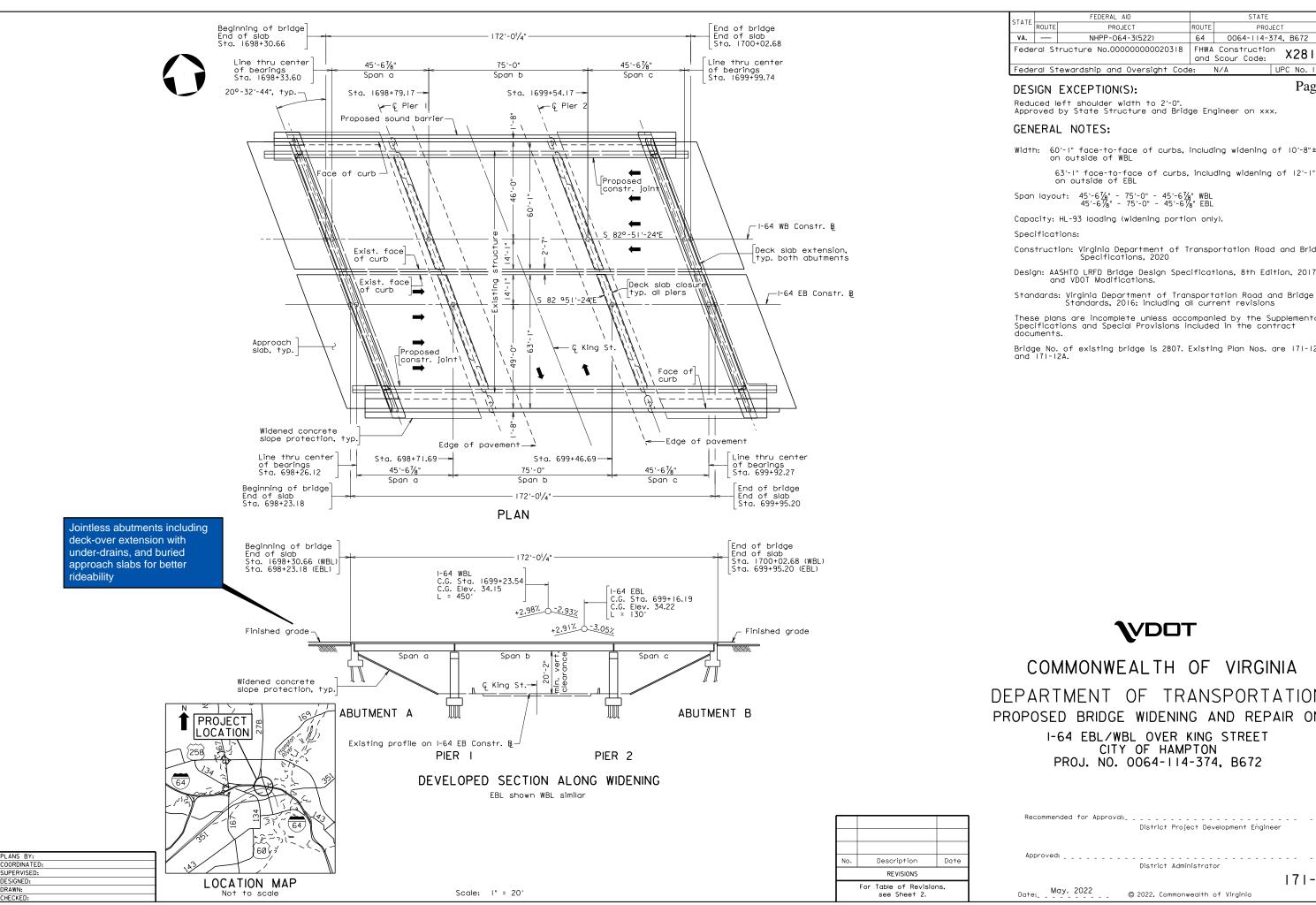












FEDERAL AID STATE SHEET NO. PROJECT PROJECT VA. NHPP-064-3(522) 64 0064-114-374, B672 Federal Structure No.000000000020318 FHWA Construction X281-SN and Scour Code:

N/·A

DESIGN EXCEPTION(S):

Page 61

UPC No. 119638

Reduced left shoulder width to 2'-0". Approved by State Structure and Bridge Engineer on xxx.

Width: 60'-1" face-to-face of curbs, including widening of $10'-8"\pm$ on outside of WBL

63'-1" face-to-face of curbs, including widening of 12'-1"± on outside of EBL

Span layout: 45'-6½" - 75'-0" - 45'-6½" WBL 45'-6½" - 75'-0" - 45'-6½" EBL

Capacity: HL-93 loading (widening portion only).

Specifications:

Construction: Virginia Department of Transportation Road and Bridge Specifications, 2020

Design: AASHTO LRFD Bridge Design Specifications, 8th Edition, 2017; and VDOT Modifications.

Standards, 2016; including all current revisions These plans are incomplete unless accompanied by the Supplemental Specifications and Special Provisions included in the contract

Bridge No. of existing bridge is 2807. Existing Plan Nos. are 171-12 and 171-12A.

WDOT

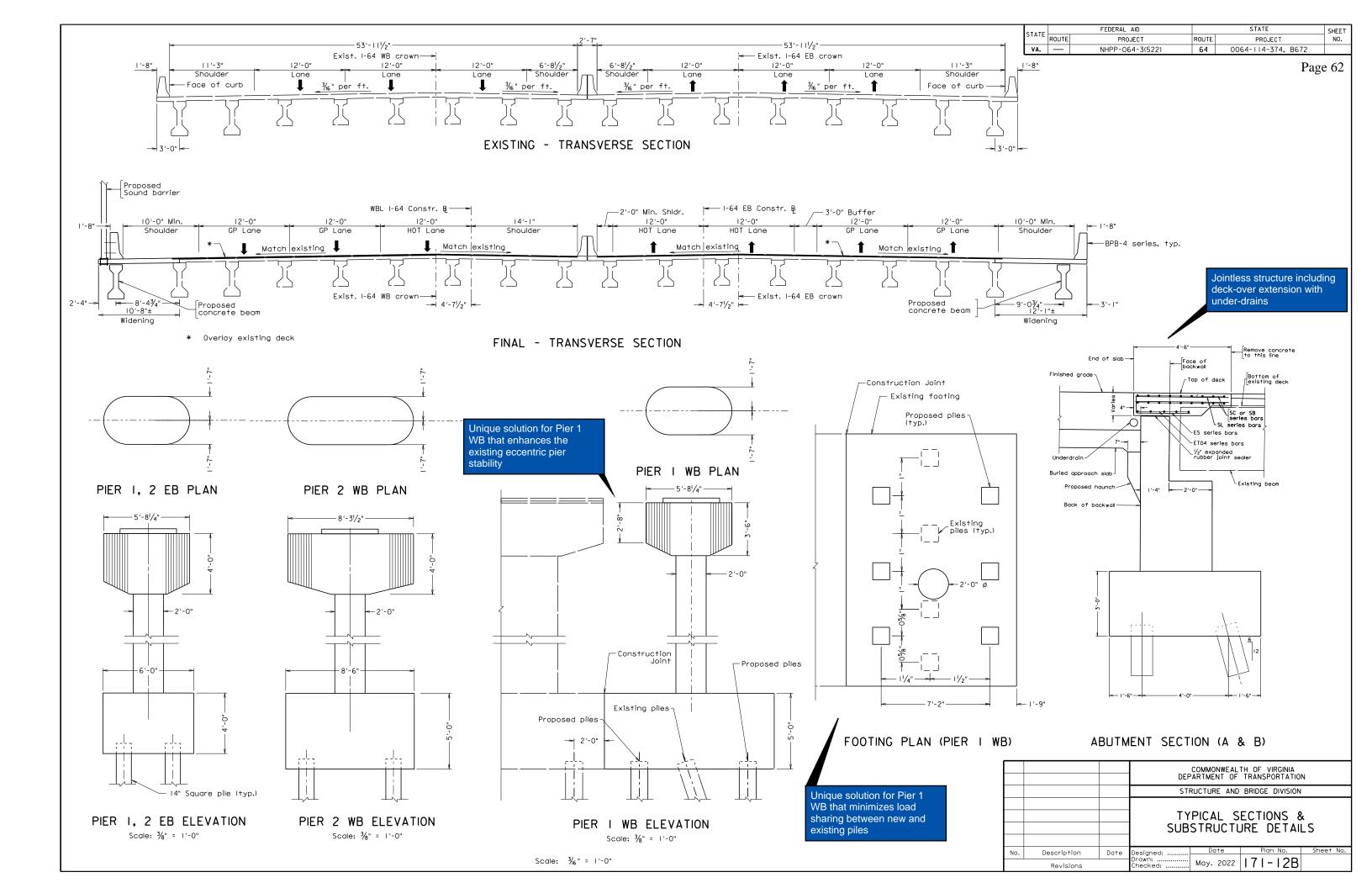
COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION PROPOSED BRIDGE WIDENING AND REPAIR ON

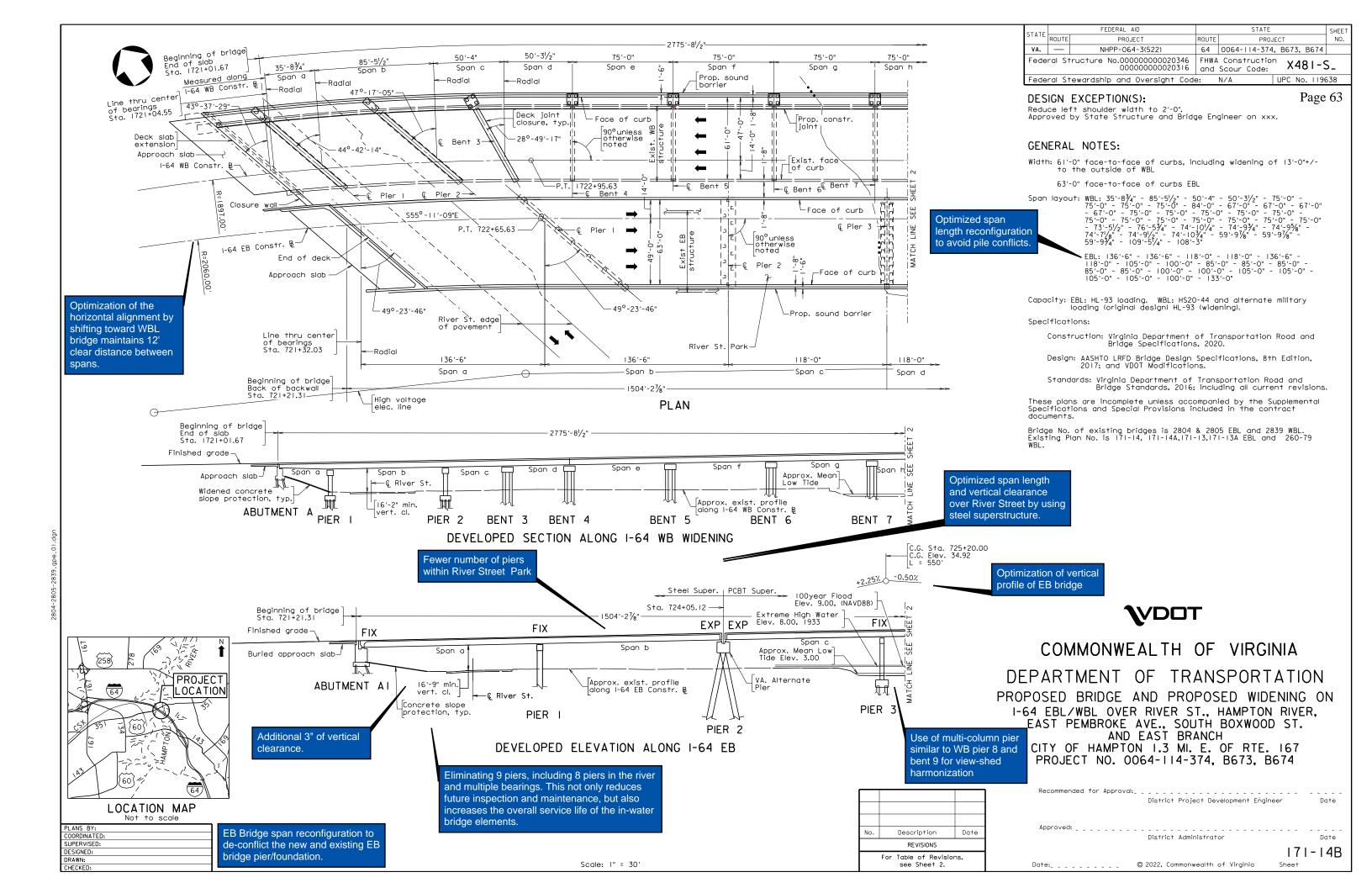
I-64 EBL/WBL OVER KING STREET CITY OF HAMPTON PROJ. NO. 0064-114-374, B672

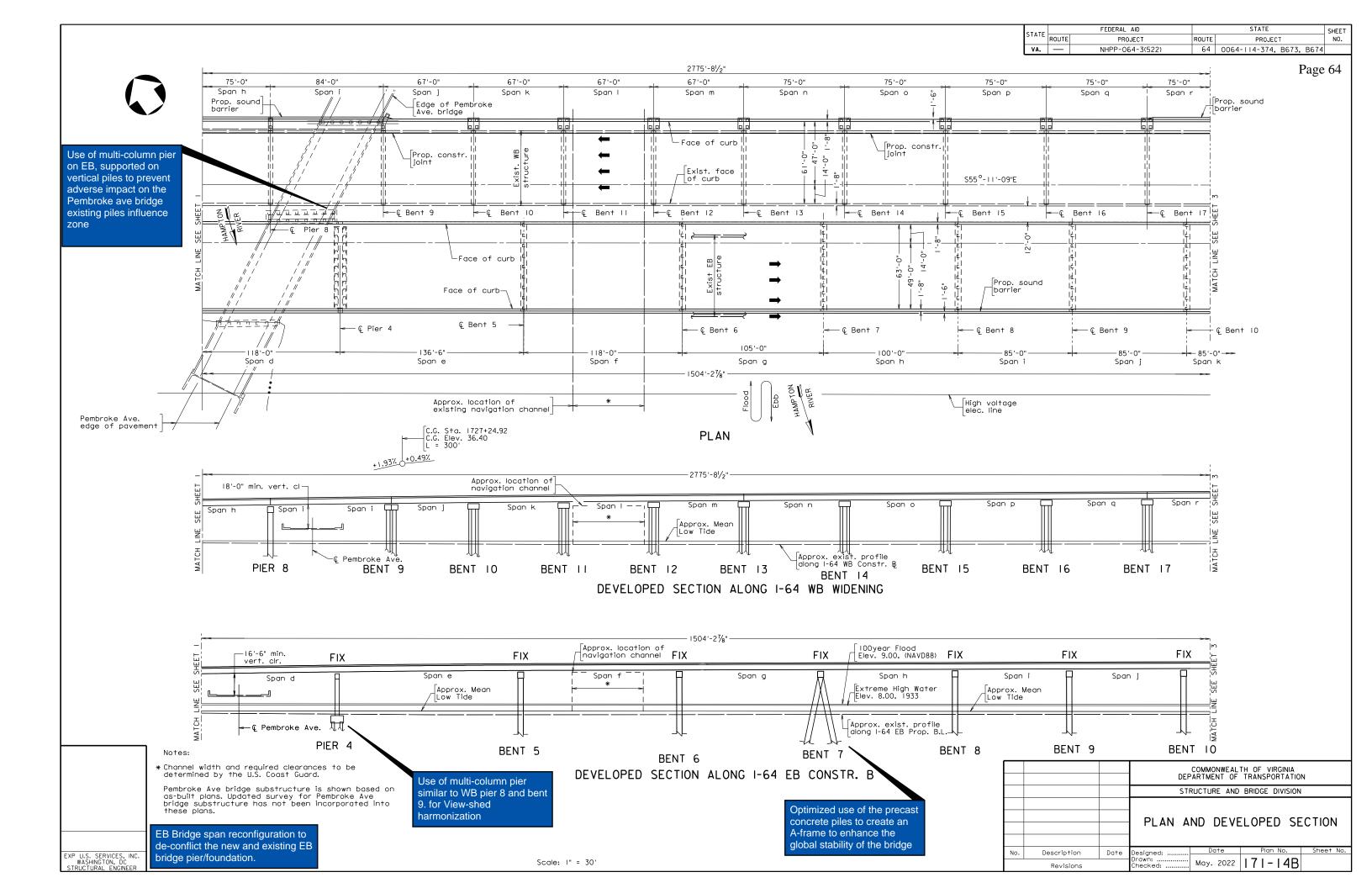
May. 2022

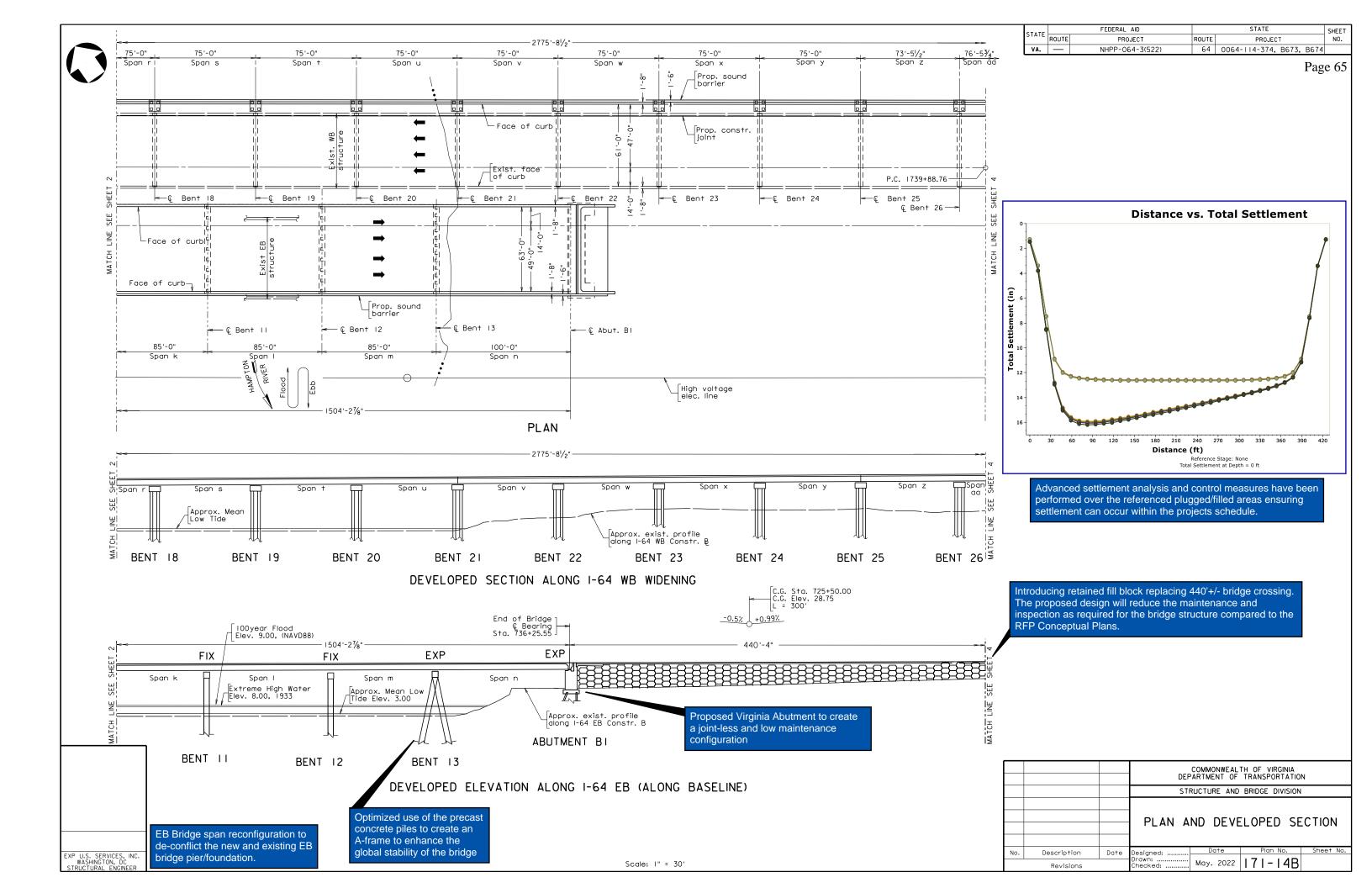
| Recommended | for Approval: | | |
|-------------|---------------|------------------------------|---------|
| | - | Project Development Engineer | Date |
| Approved: | | | |
| Approved | | Administrator | Date |
| | | | 171-12E |

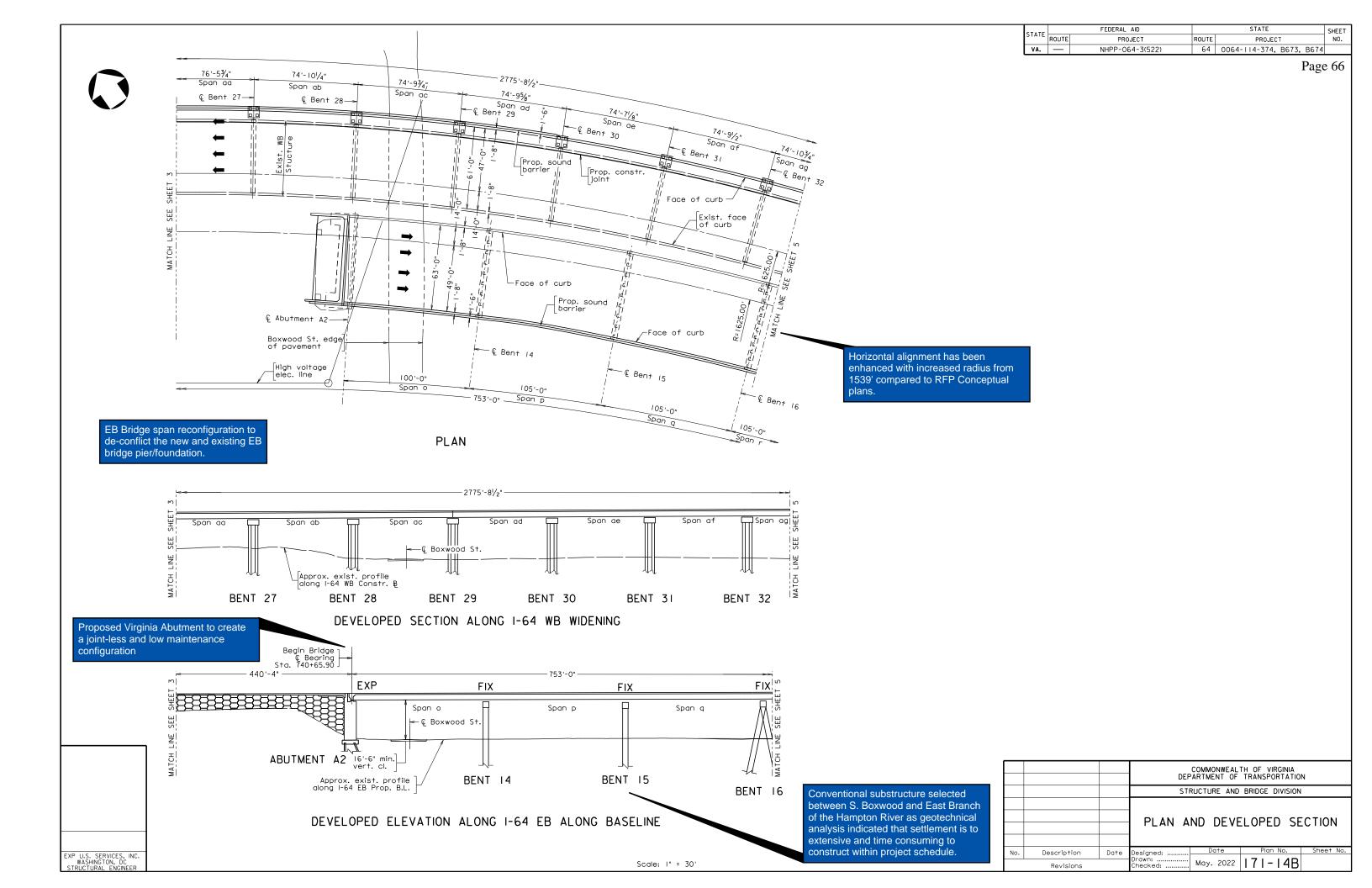
© 2022, Commonwealth of Virginia







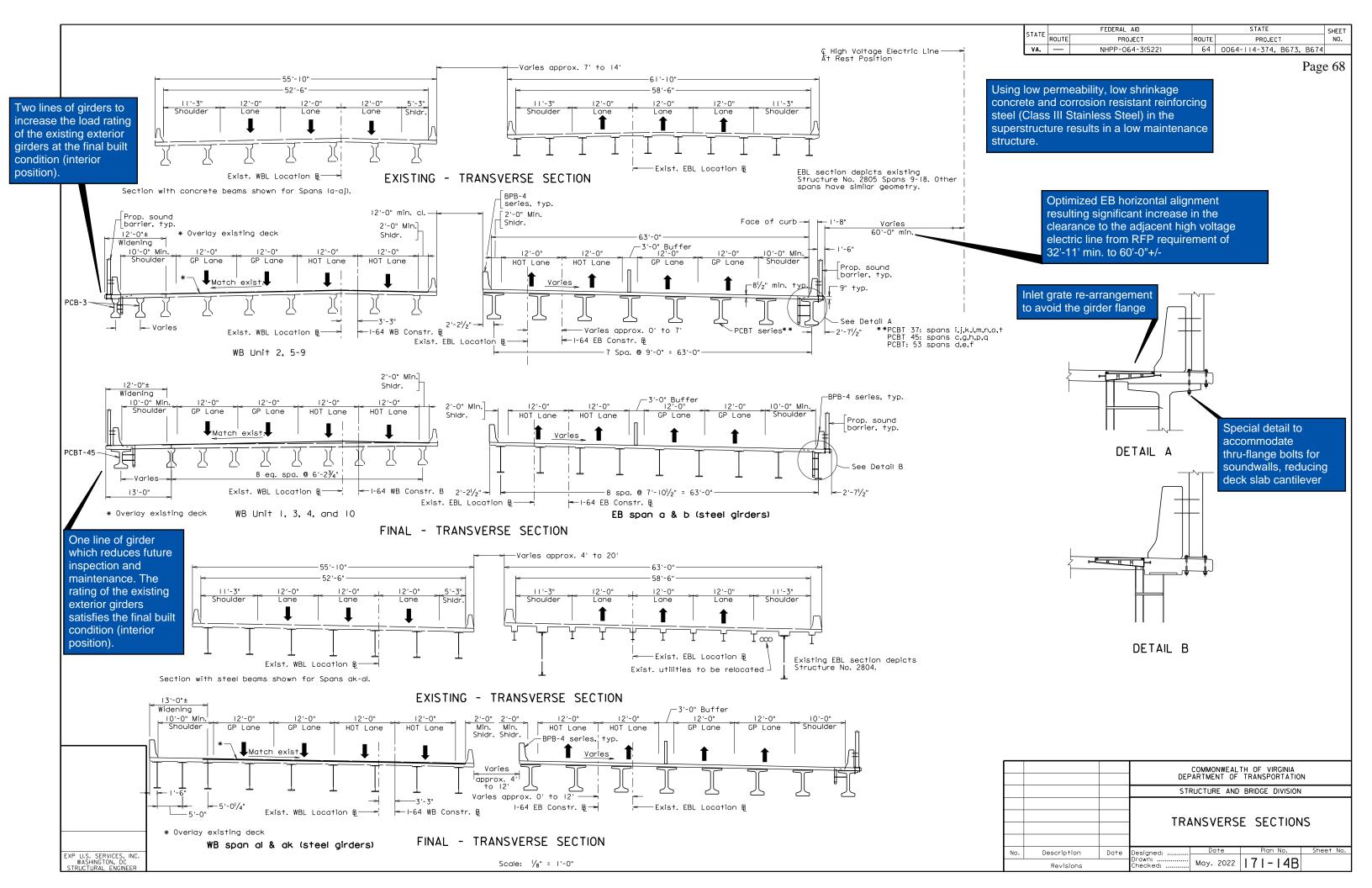


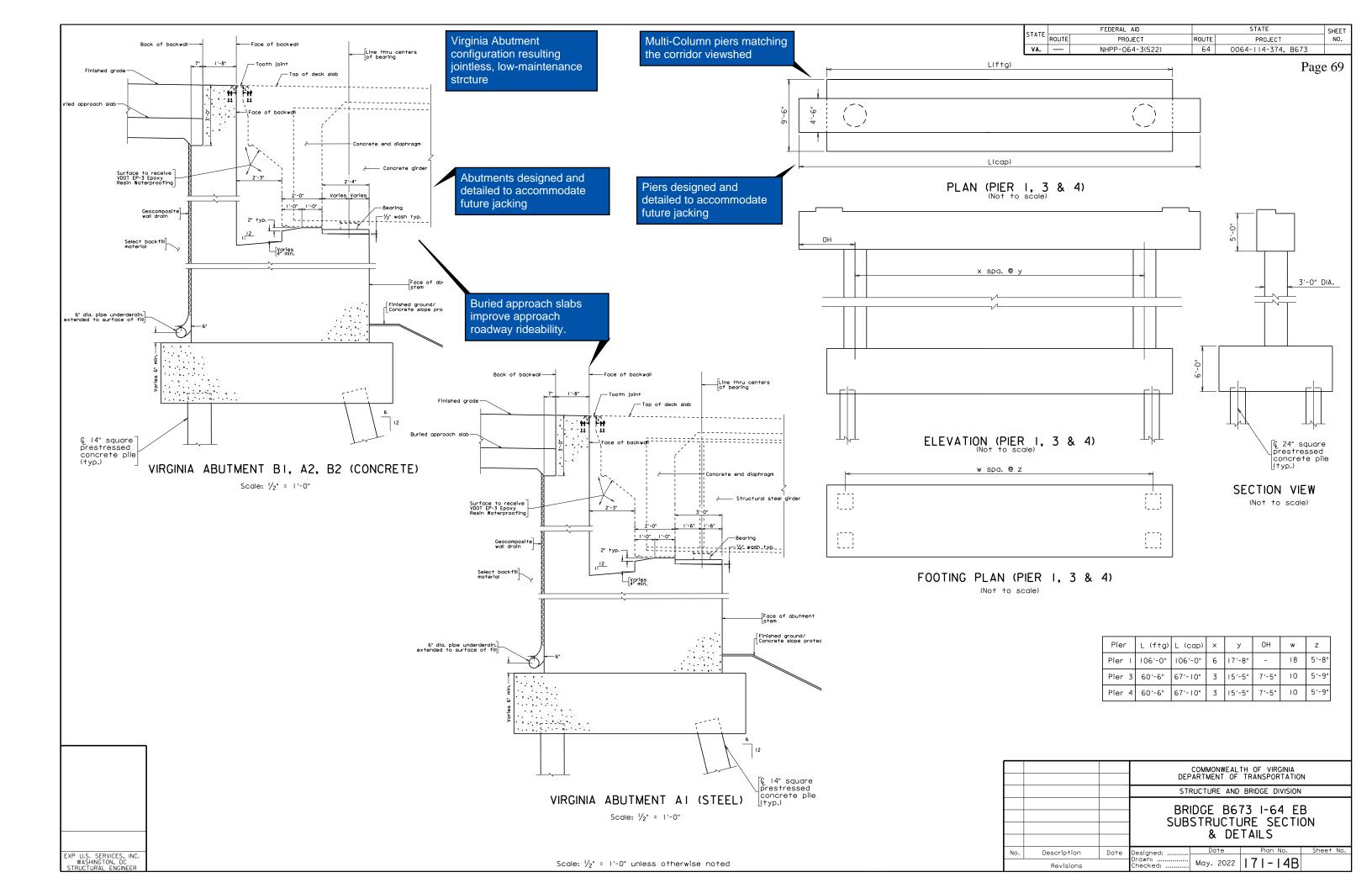


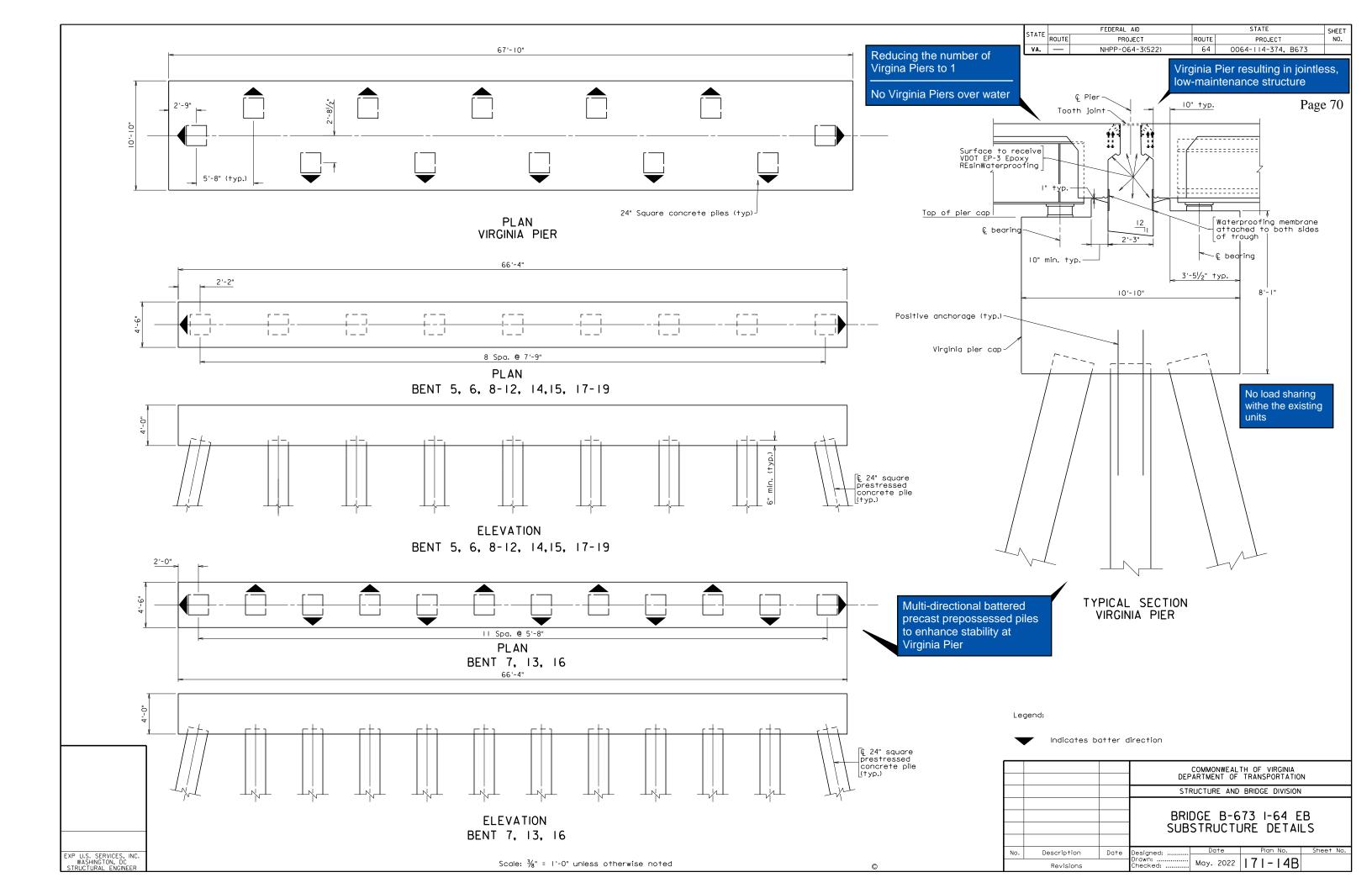
STATE ROUTE FEDERAL AID STATE PROJECT ROUTE PROJECT VA. — NHPP-064-3(522) 64 0064-<u>114-374</u>, <u>B673</u>, <u>B674</u> 2775'-81/2"-End of bridge End of slab Sta. 1748+77.38 59'-9¾" 109'-51/4" 59'-9%" 108'-3" 59'-97%" Span aj Span ak Measure along 74'-103/4" Span ai Span al Span ah 1-64 WB Constr. B © Bent 35 🕂 🖟 Pier 36 © Bent 34 Span ag -@ Pier 37 Line thru center of bearings Sta. 1748+74.21 @ Bent 33--Face of curb Deck slab extension Deck joint III -P.T. 1747+48.71 Exist. face — Approach slab /-1-64 WB Constr. ₽ Closure wall —Face of curb S28°-23'-26<u>"</u>E └P.T. 747+40.5 └I-64 EB Constr. Æ -Approach slab Face of curb Line thru center of bearings Sta. 748+18.42 -Ç Bent /18 — € Bent 19 -Prop. sound barrier © Bent 17: 100'-0" 133'-0" 105'-0" Measured along Span t Span u I-64 EB Constr. ₽ Span s 105'-0" End of bridge Back of backwall Sta. 748+26.02 PLAN C.G. Sta. 1746+65.21 C.G. Elev. 45.96 L = 515' +0.49% -2.86% End of bridge End of slab Sta. 1748+77.38 -2775'-81/2" Finished grade Span ah Span ai Span ag Span aj Span al Span ak ∕Approach slab Approx. Mean Low Tide ш MATCH Approx. exist. profile along I-64 WB Constr. B PIER 36 BENT 33 BENT 34 BENT 35 ABUTMENT B DEVELOPED SECTION ALONG 1-64 WB WIDENING C.G. Sta. 748+40.00 C.G. Elev. 39.59 L = 600' +0.99% -2.98% End of bridge Sta. 748+26.02 753'-0" [100year Flood Elev. 9.00, (NAVD88) FIX FIX EXP Finished grade Span r Span t —Buried approach slab SEE Extreme High Water Elev. 8.00, 1933 Approx. Mean Low Tide Elev. 3.00 MATCH ABUTMENT B2 __Approx. exist. profile along I-64 EB Constr. ₽ BENT 18 BENT 19 BENT 17 COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION DEVELOPED ELEVATION ALONG I-64 EB ALONG BASELINE STRUCTURE AND BRIDGE DIVISION PLAN AND DEVELOPED SECTION EB Bridge span reconfiguration to de-conflict the new and existing EB Description Date esigned: ... EXP U.S. SERVICES, INC. WASHINGTON, DC STRUCTURAL ENGINEER bridge pier/foundation. May. 2022 | 171-14B Scale: I" = 30' Revisions

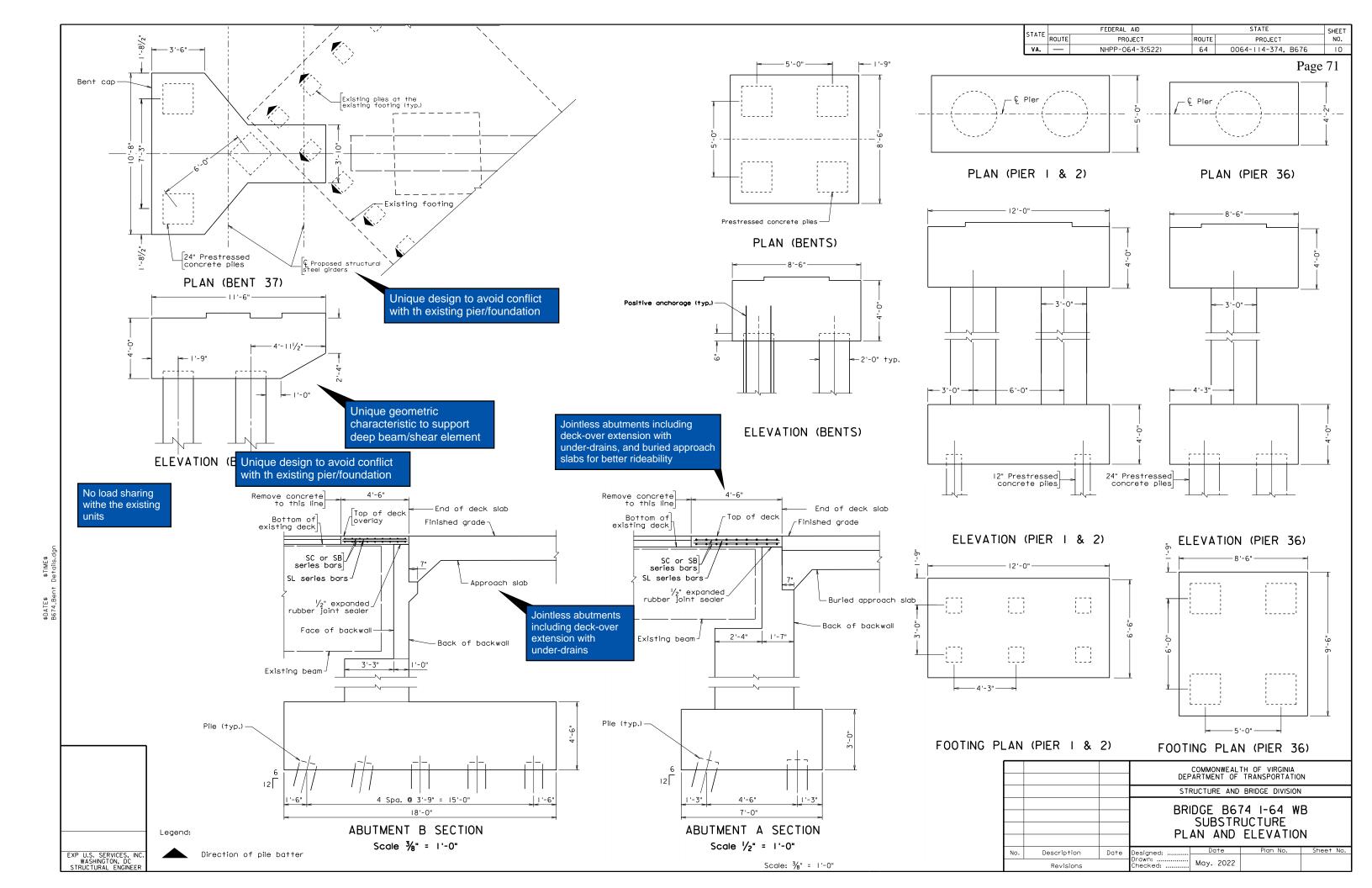
Page 67

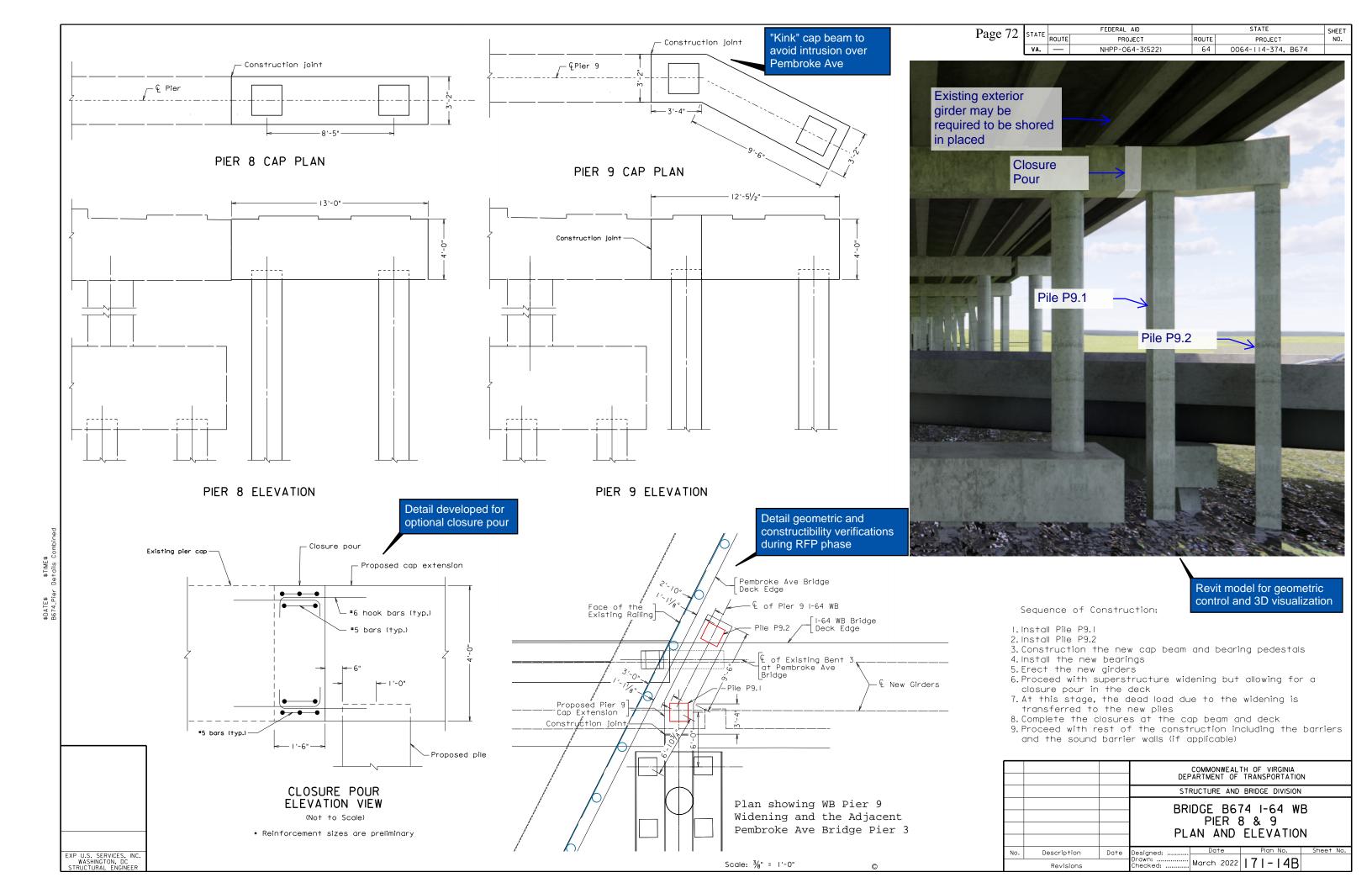
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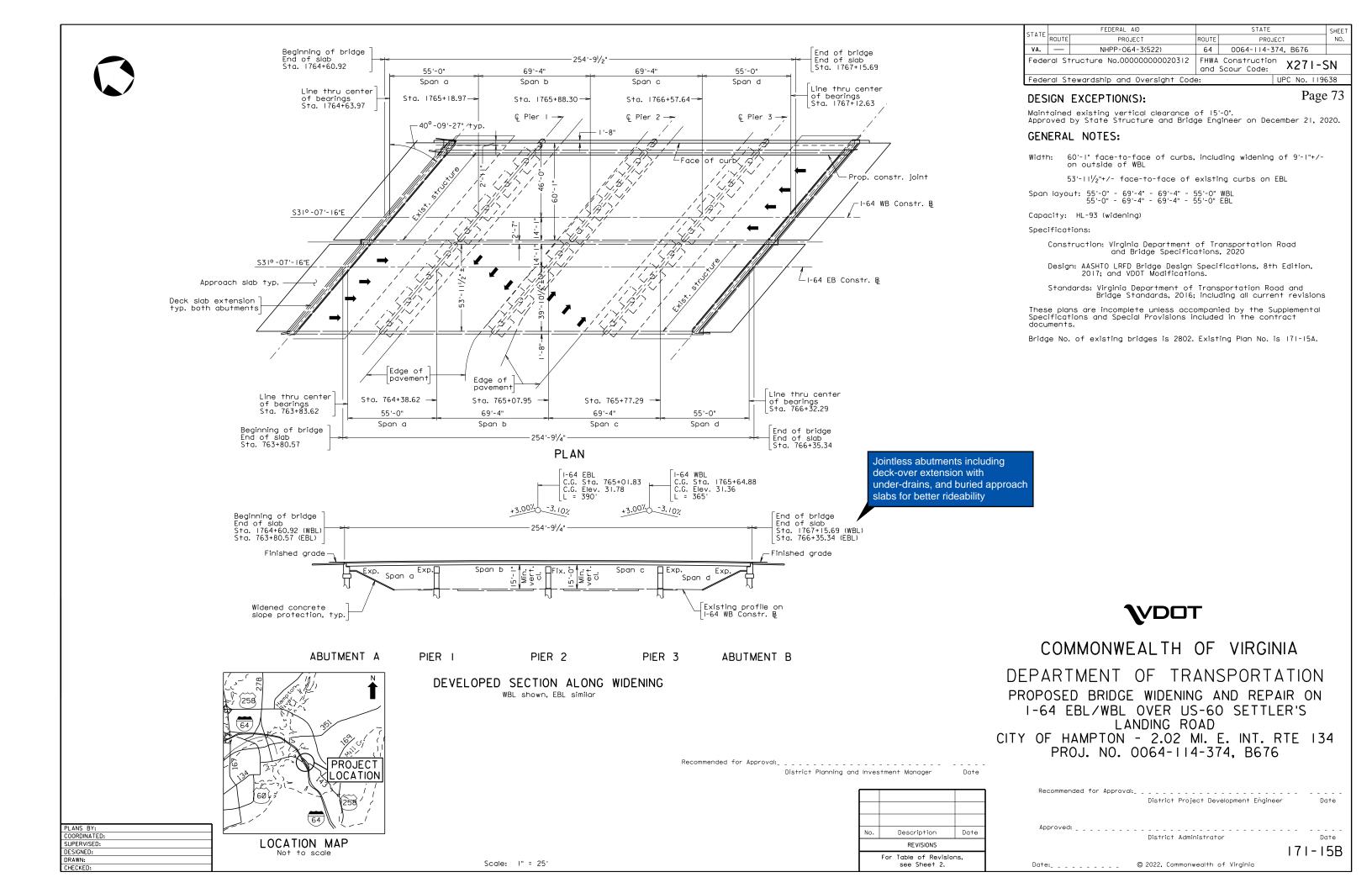


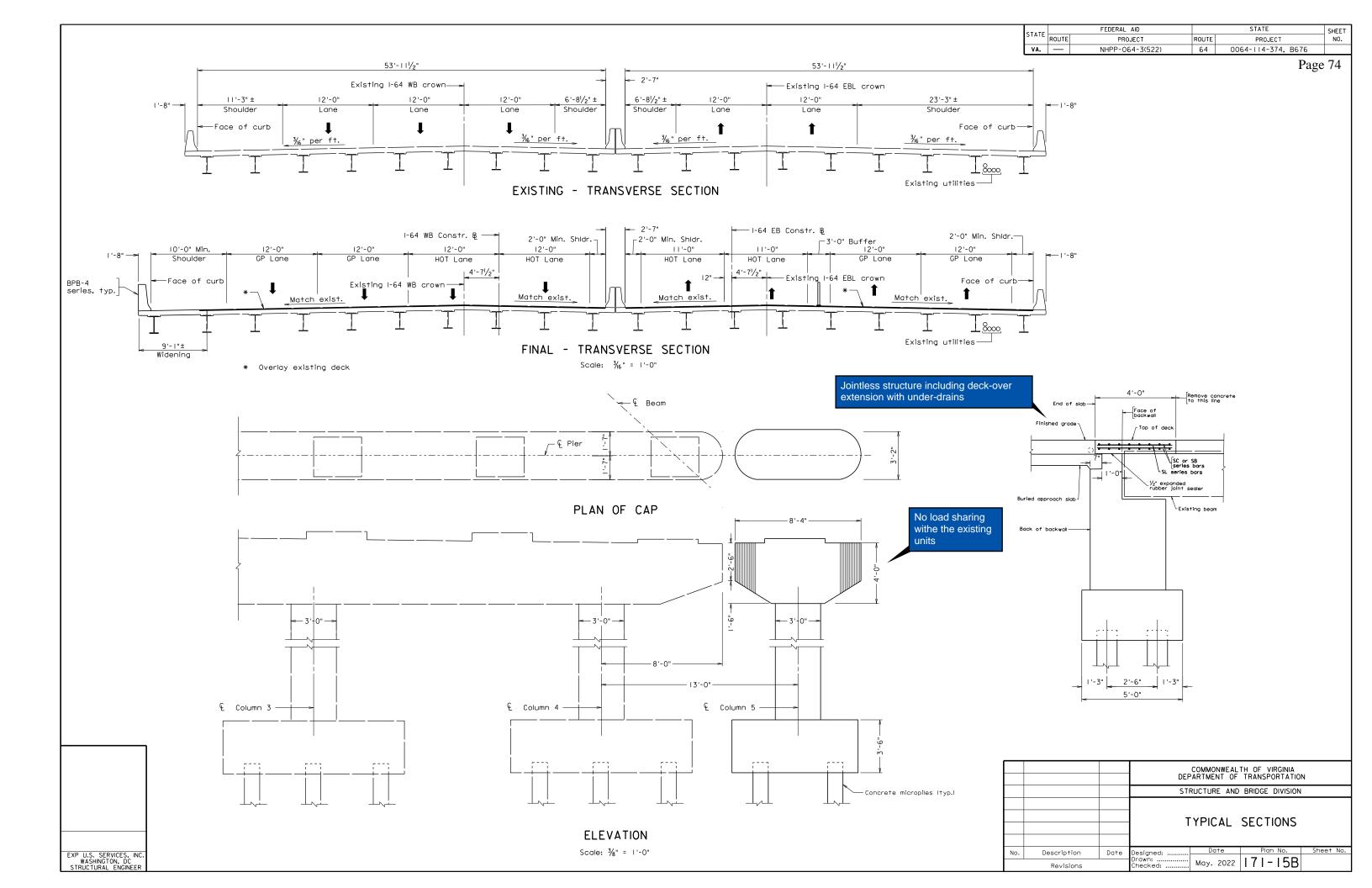








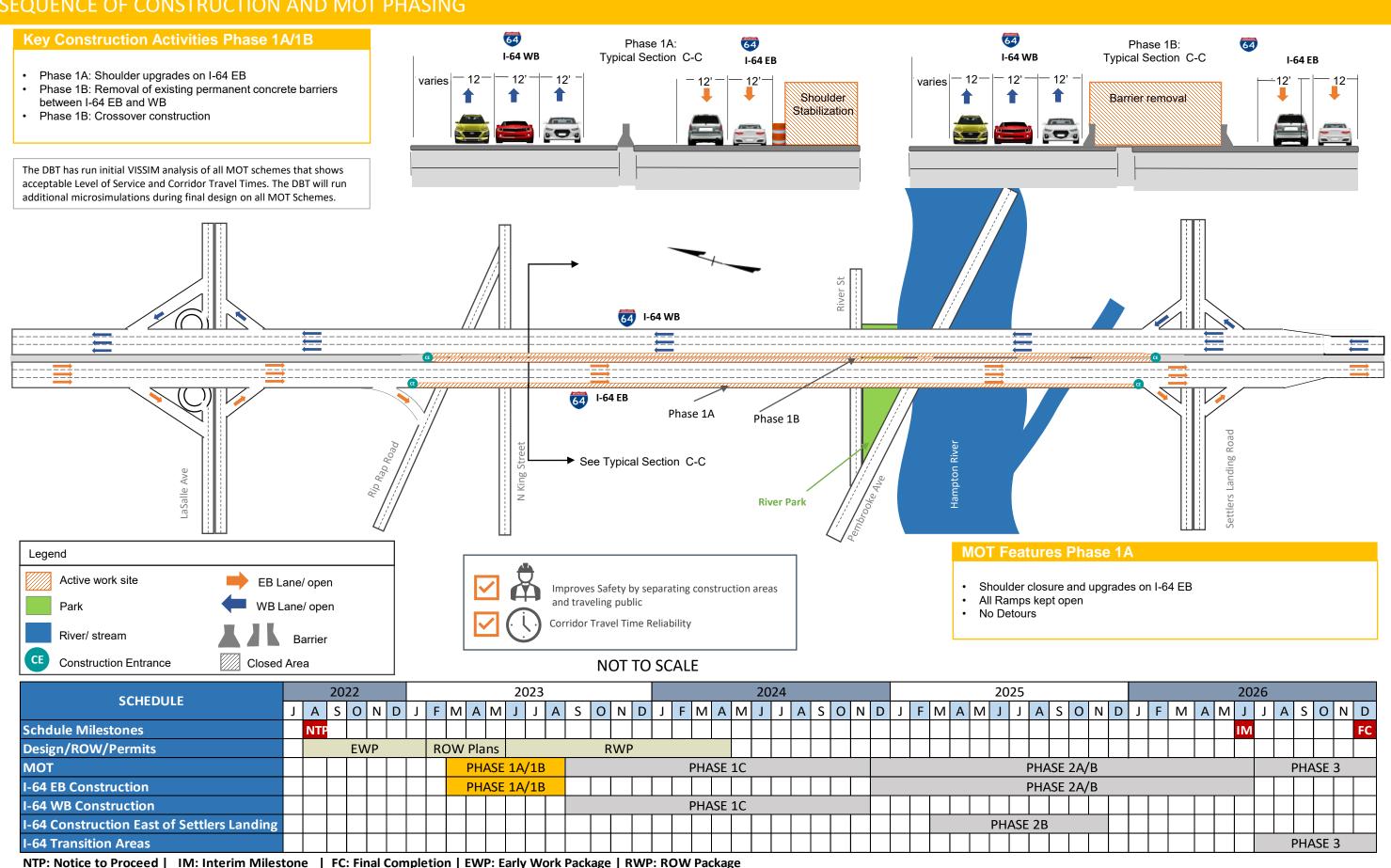






Sequence of Construction (SOC) & Maintenance of Traffic (MOT): I-64 HREL Segment 4C EAST OF LASALLE AVE. TO WEST OF SETTLERS LANDING RD. SEQUENCE OF CONSTRUCTION AND MOT PHASING

SOC/MOT Phase 1A/B



DESIGN BUILDER



0064-114-374, P101, R201, C501 Contract ID # C00117841DB11

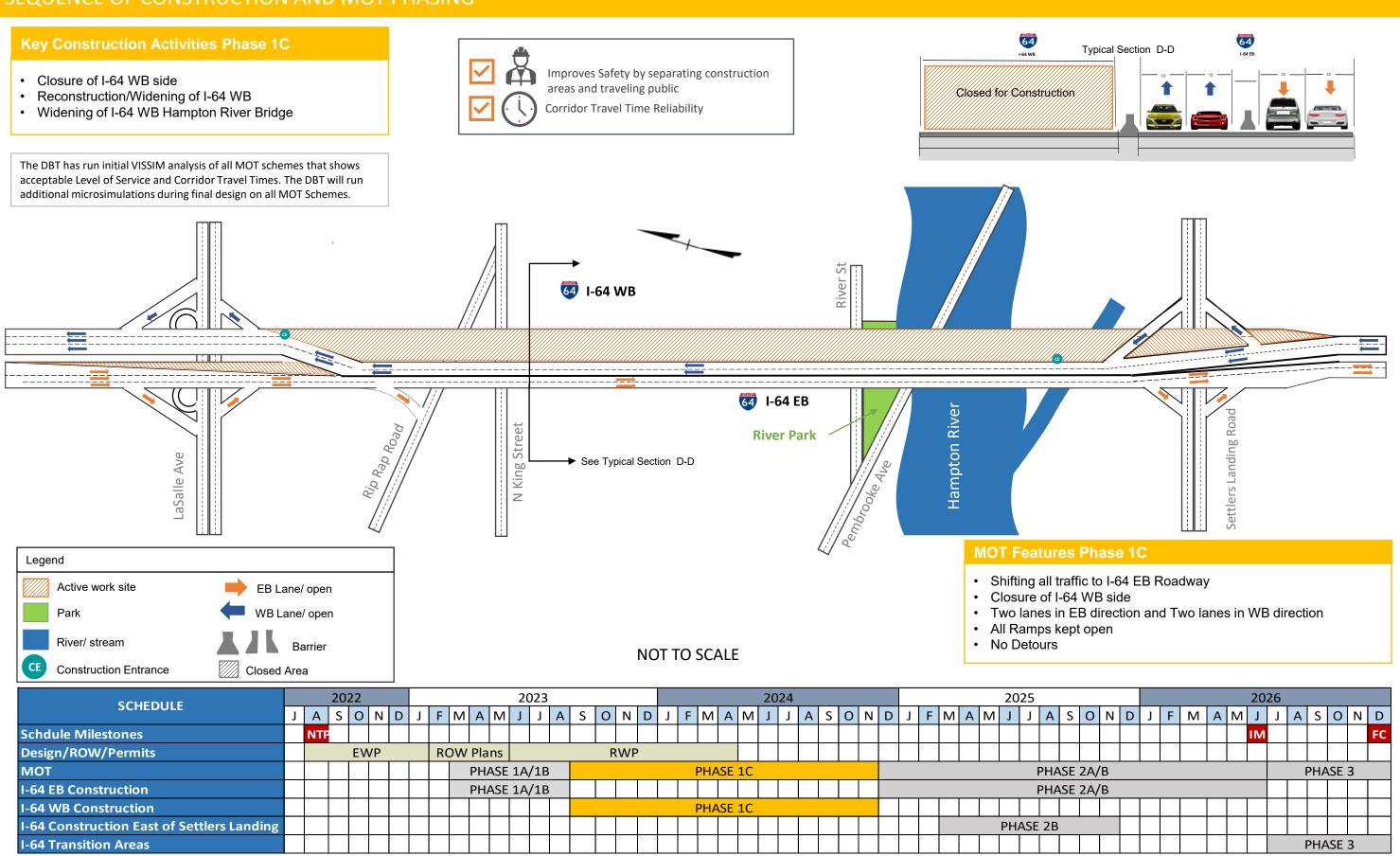
I-64 SEGMENT 4 C HAMPTON ROADS EXPRESS LANES DESIGN BUILD PROJECT

SHEET NO. 1 of 5

Sequence of Construction (SOC) & Maintenance of Traffic (MOT): I-64 HREL Segment 4C EAST OF LASALLE AVE. TO WEST OF SETTLERS LANDING RD. SEQUENCE OF CONSTRUCTION AND MOT PHASING

NTP: Notice to Proceed | IM: Interim Milestone | FC: Final Completion | EWP: Early Work Package | RWP: ROW Package

SOC/MOT Phase 1C



DESIGN BUILDER



0064-114-374, P101, R201, C501 Contract ID # C00117841DB11

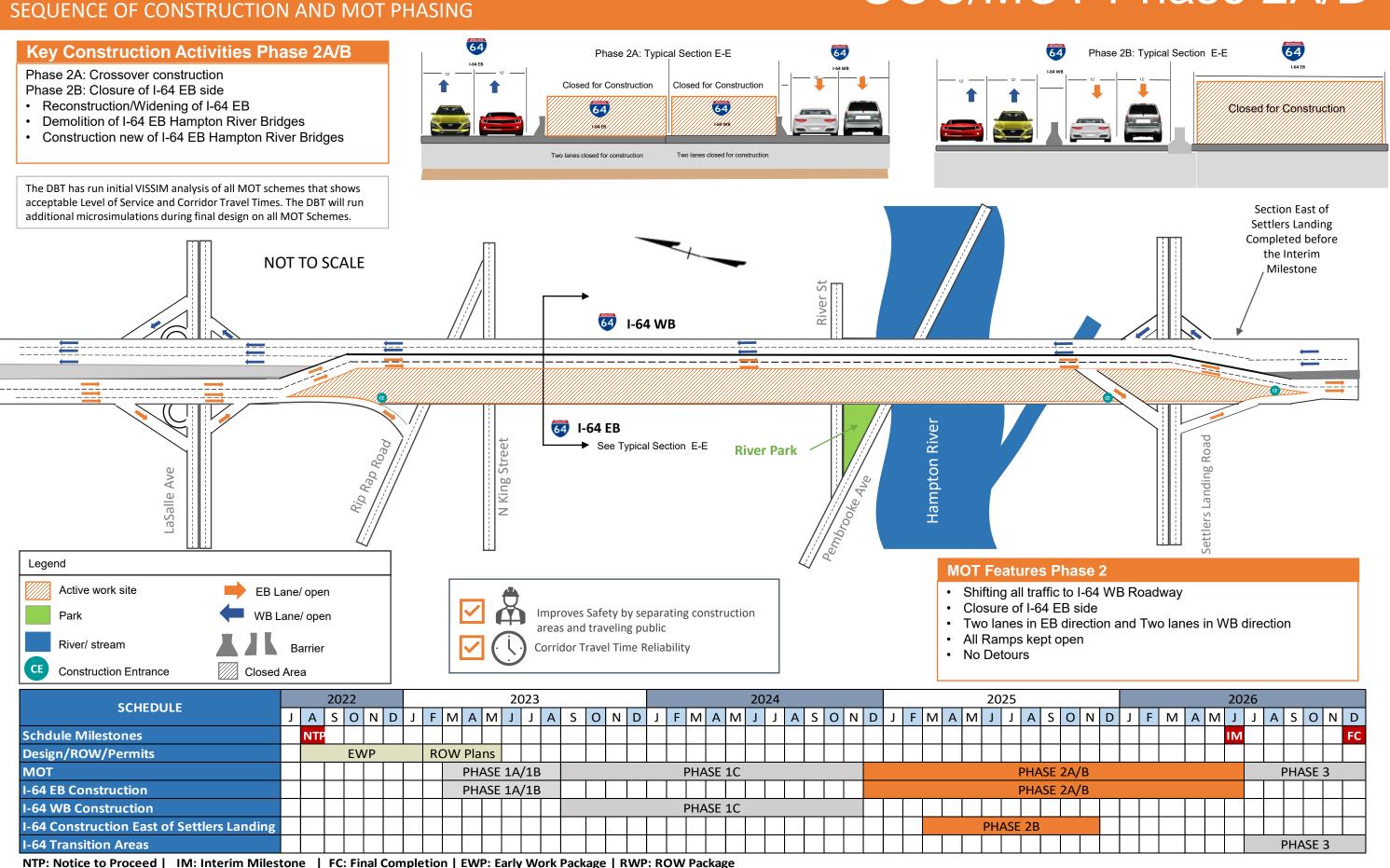
I-64 SEGMENT 4 C HAMPTON ROADS EXPRESS LANES DESIGN BUILD PROJECT

SHEET NO. 2 of 5

Sequence of Construction (SOC) & Maintenance of Traffic (MOT): I-64 HREL Segment 4C EAST OF LASALLE AVE. TO WEST OF SETTLERS LANDING RD.

SEQUENCE OF CONSTRUCTION AND MOT PHASING

SOC/MOT Phase 2A/B



DESIGN BUILDER
Joint Venture
MAGMAN

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FAY SOUTHEAST



0064-114-374, P101, R201, C501 Contract ID # C00117841DB11

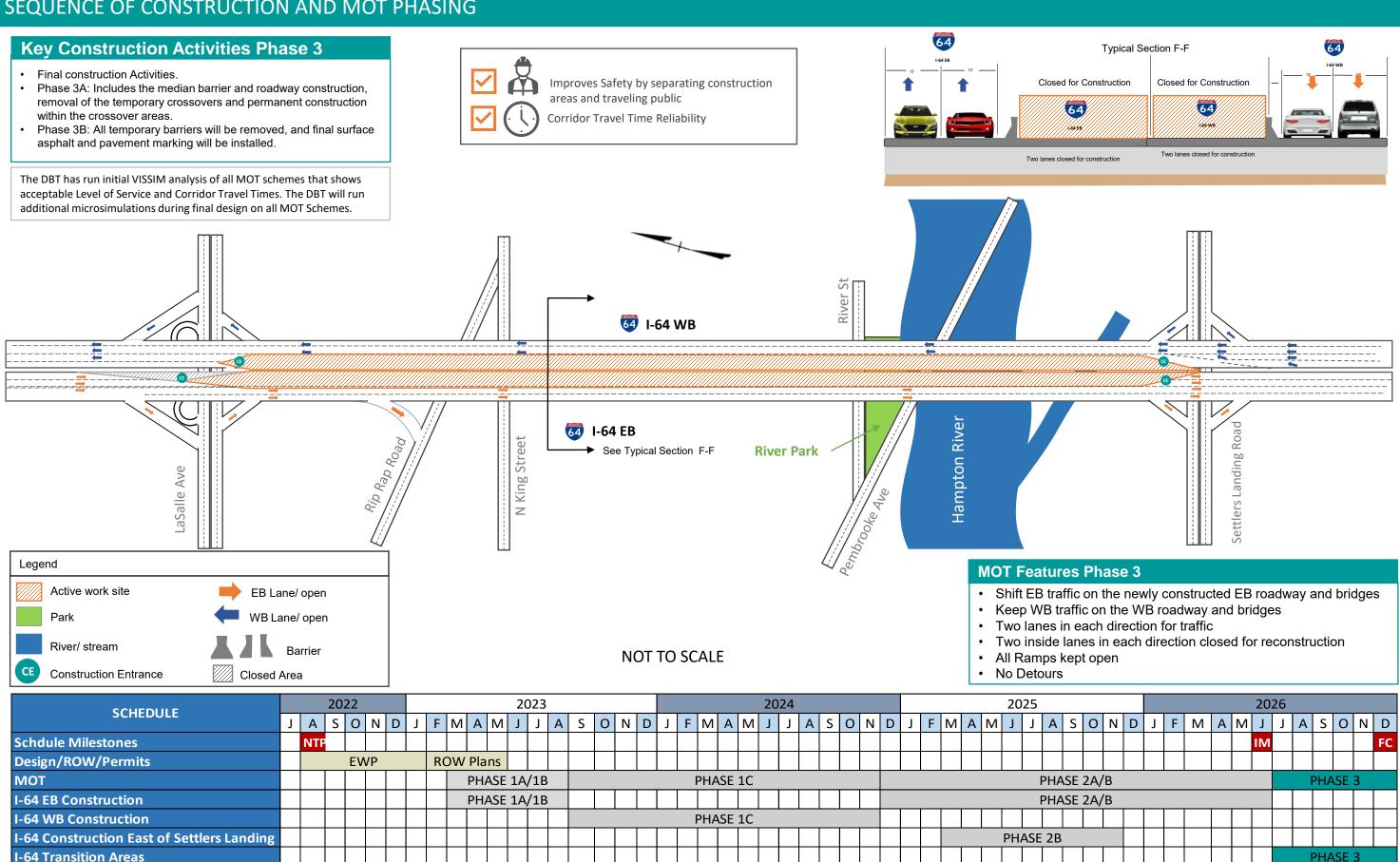
GMENT 4 CON ROADS EXPRESS
DESIGN BUILD PROJECT

SHEET NO.

Sequence of Construction (SOC) & Maintenance of Traffic (MOT): I-64 HREL Segment 4C EAST OF LASALLE AVE. TO WEST OF SETTLERS LANDING RD. SEQUENCE OF CONSTRUCTION AND MOT PHASING

NTP: Notice to Proceed | IM: Interim Milestone | FC: Final Completion | EWP: Early Work Package | RWP: ROW Package

SOC/MOT Phase 3A/B



DESIGN BUILD
Joint Venture
MAGMAN
Interpretation of the part of th



0064-114-374, P101, R201, C501 Contract ID # C00117841DB11

I-64 SEGMENT 4 C HAMPTON ROADS EXPRESS LANES DESIGN BUILD PROJECT

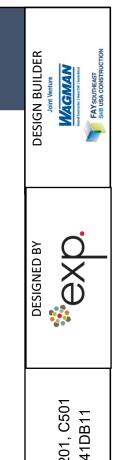
SHEET NO.
4 of 5

WB Lane/ open

Closed Area

Construction Entrance

FINAL VIEW



0064-114-374, P101, R201, C501 Contract ID # C00117841DB11

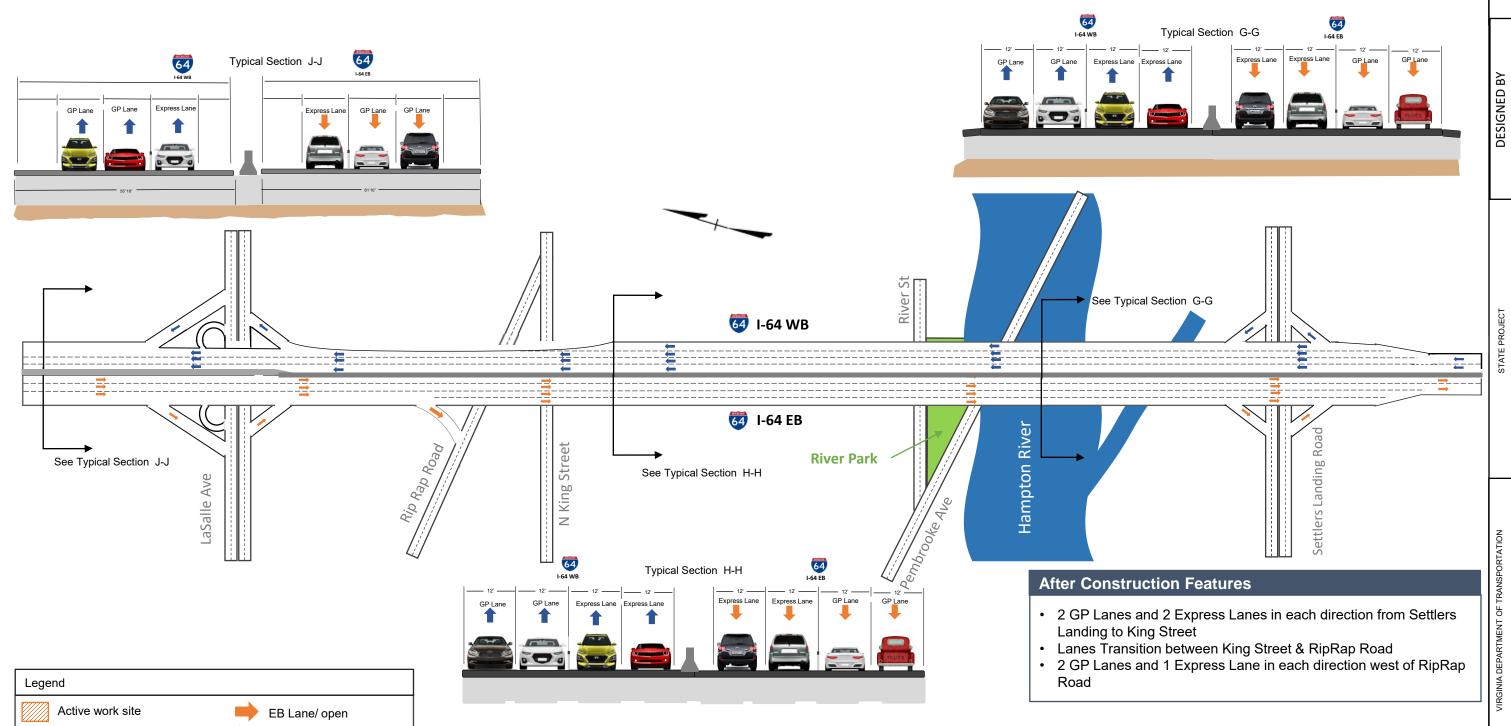
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I-64 SEGMENT 4 C HAMPTON ROADS EXPRESS LANES DESIGN BUILD PROJECT

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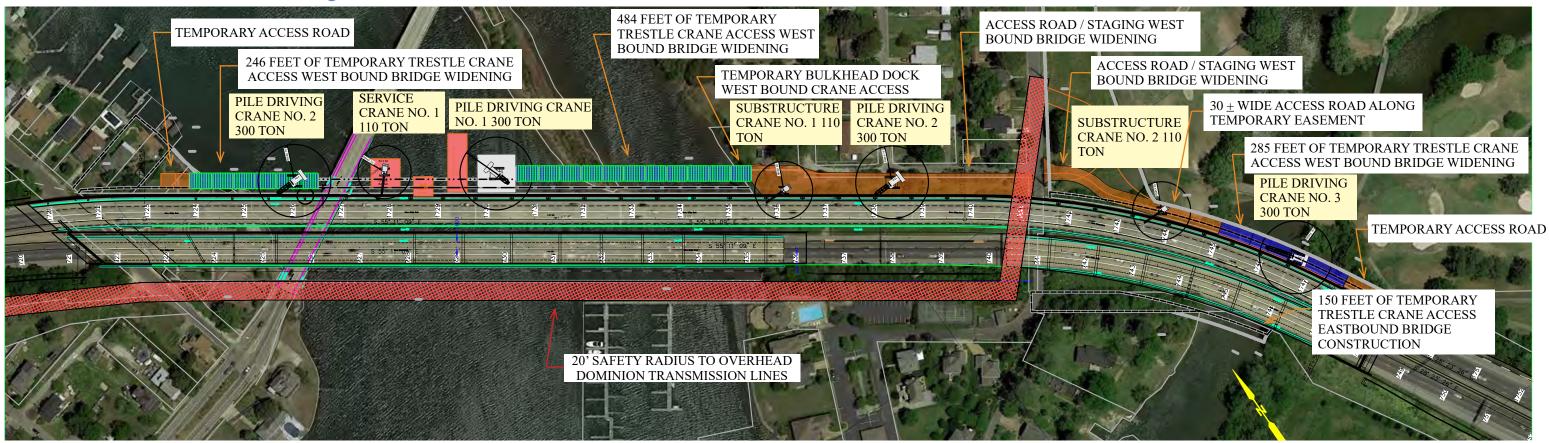
5 of 5

PAGE NO. 79

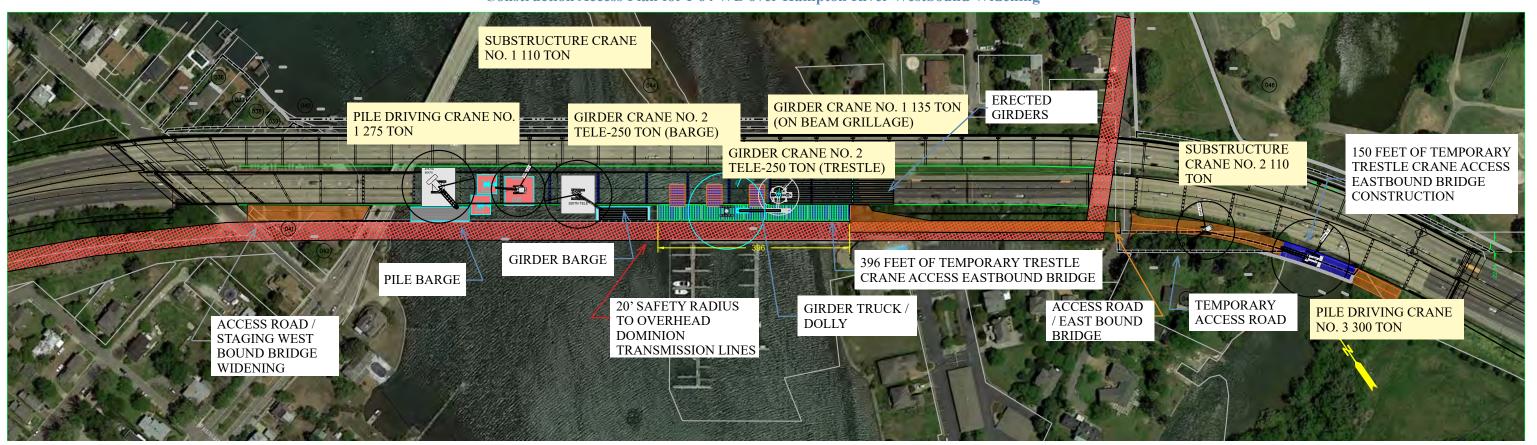


NOT TO SCALE

B-673 and B-674 Construction Phasing and Access



Construction Access Plan for I-64 WB over Hampton River Westbound Widening



Construction Access Plan for I-64 EB over Hampton River Eastbound Reconstruction







