

Response to Request for Proposals

# VOLUME I LETTER OF SUBMITTAL AND ATTACHMENTS

## BOUNDARY CHANNEL DRIVE AT I-395 INTERCHANGE

Arlington County, Virginia

State Project No.: 6587-000-R89, P101, R201, C501

Federal Project No.: NHPP-5B01(120)

Contract ID Number: C00116394DB109



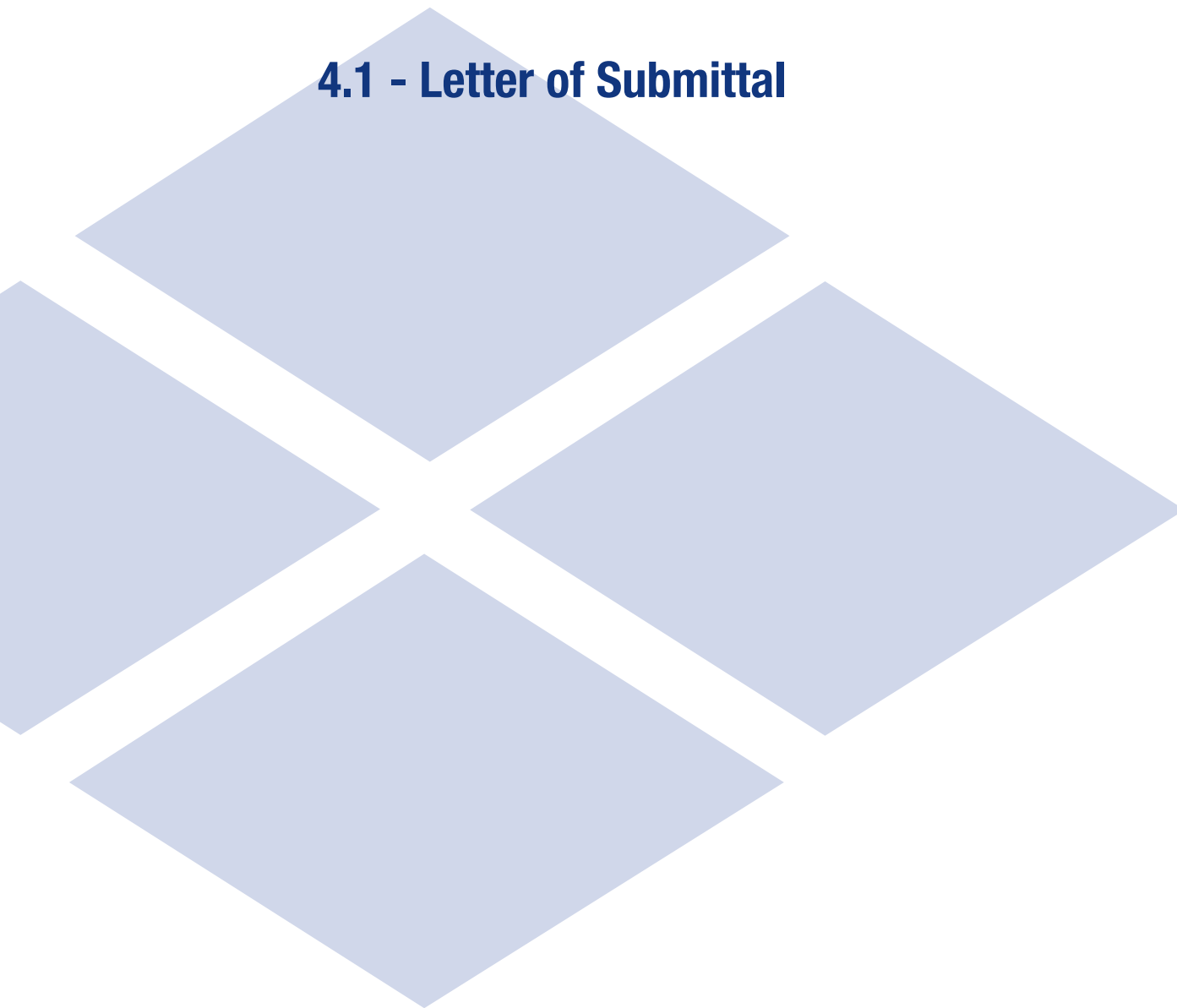
Submitted By:



In Association With:



## 4.1 - Letter of Submittal



May 12, 2021

Ms. Sudha Mudgade, P.E., PMP, DBIA  
Alternative Project Delivery Division  
Virginia Department of Transportation  
1401 East Broad Street  
Annex Building, 5th Floor  
Richmond, VA 23219

Re: Boundary Channel Drive at I-395 Interchange  
Arlington County, Virginia  
**4.1 Letter of Submittal**

Dear Ms. Mudgade:

Shirley Contracting Company, LLC (Shirley), as the Offeror, and Dewberry Engineers Inc. (Dewberry), as the Lead Designer, are pleased to submit our Letter of Submittal for the Boundary Channel Drive at I-395 Interchange Project (the Project). Our Team will provide VDOT and the traveling public with an unequaled level of assurance that the Project is completed successfully and exceeds the priorities established while limiting risk to all stakeholders.

**4.1.2-4.1.3 Declarations:** Should Shirley be selected, it is our intent to enter into a contract with VDOT for the Project in accordance with the terms of this Request for Proposal. Further, the offer represented by our Proposal will remain in full force and effect for one hundred twenty (120) days from the date the Price Proposal is submitted to VDOT.

**4.1.4 Point of Contact:** Garry A. Palleschi, Vice President, Shirley Contracting Company, LLC, 8435 Backlick Road, Lorton, VA 22079, P: 703.550.3579, F: 703.550.9346, E: gpalleschi@shirleycontracting.com.

**4.1.5 Principal Officer:** Michael E. Post, CEO, Shirley Contracting Company, LLC, 8435 Backlick Road, Lorton, VA 22079, P: 703.550.8100.

**4.1.6 Interim Milestone Date:** September 22, 2023      **Final Completion Date:** November 21, 2023

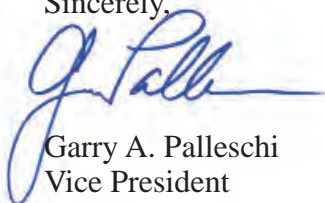
**4.1.7 Proposal Payment Agreement:** An executed Proposal Payment Agreement Attachment 9.3.1 is included in the Attachments.

**4.1.8 Certification Regarding Debarment Forms:** Signed Certification Regarding Debarment Forms from all team members are included in the Attachments.

**4.1.9 DBE Participation Goal:** Shirley commits that we will achieve a twelve (12%) DBE participation goal for the entire value of the contract.

On behalf of the entire Shirley/Dewberry Team, we thank VDOT for the opportunity to submit this Proposal and look forward to your favorable review. Please contact me at 703.550.3579 if you have any questions or need additional information.

Sincerely,



Garry A. Palleschi  
Vice President



## **4.2 - Attachments to the Letter of Submittal**



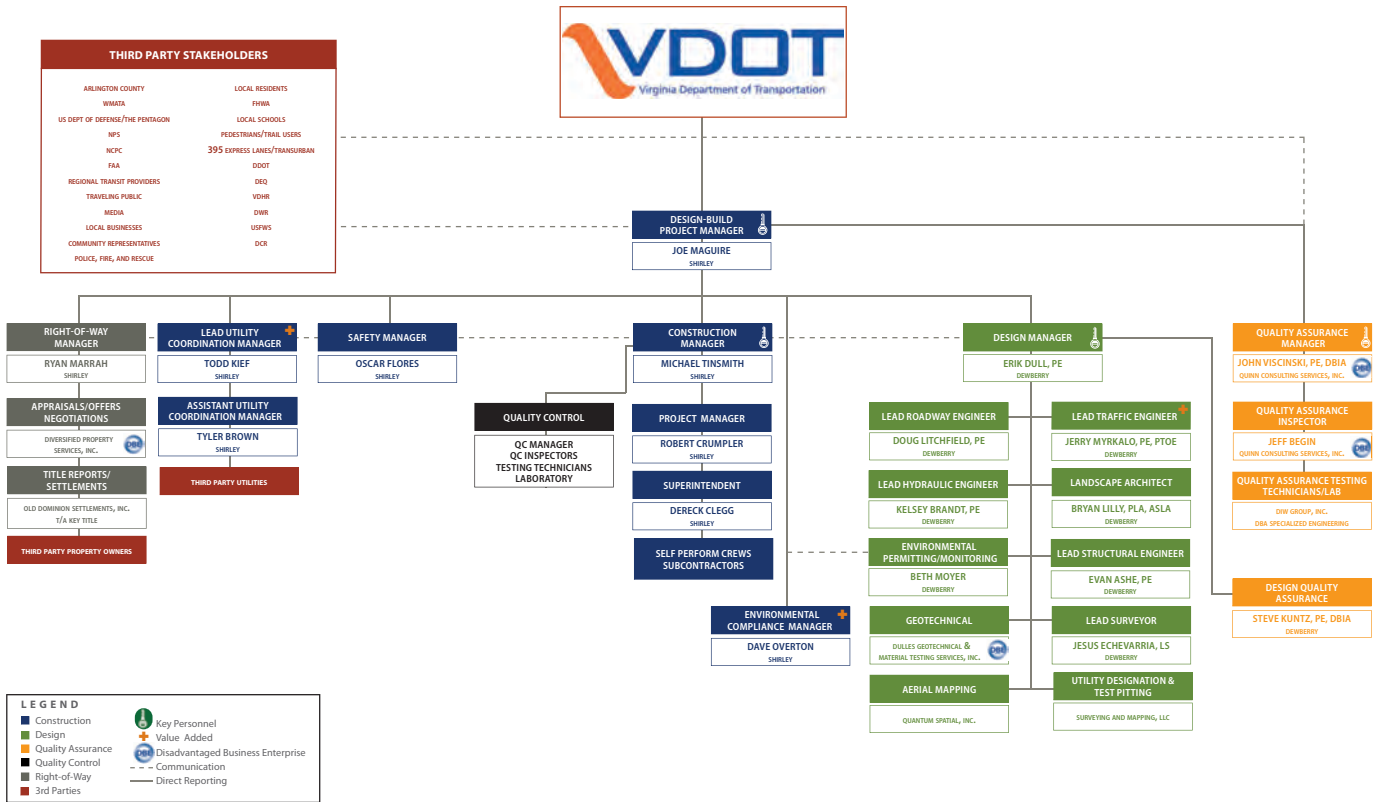
# 4.2 Attachments to the Letter of Submittal

## 4.2.1 Confirmation

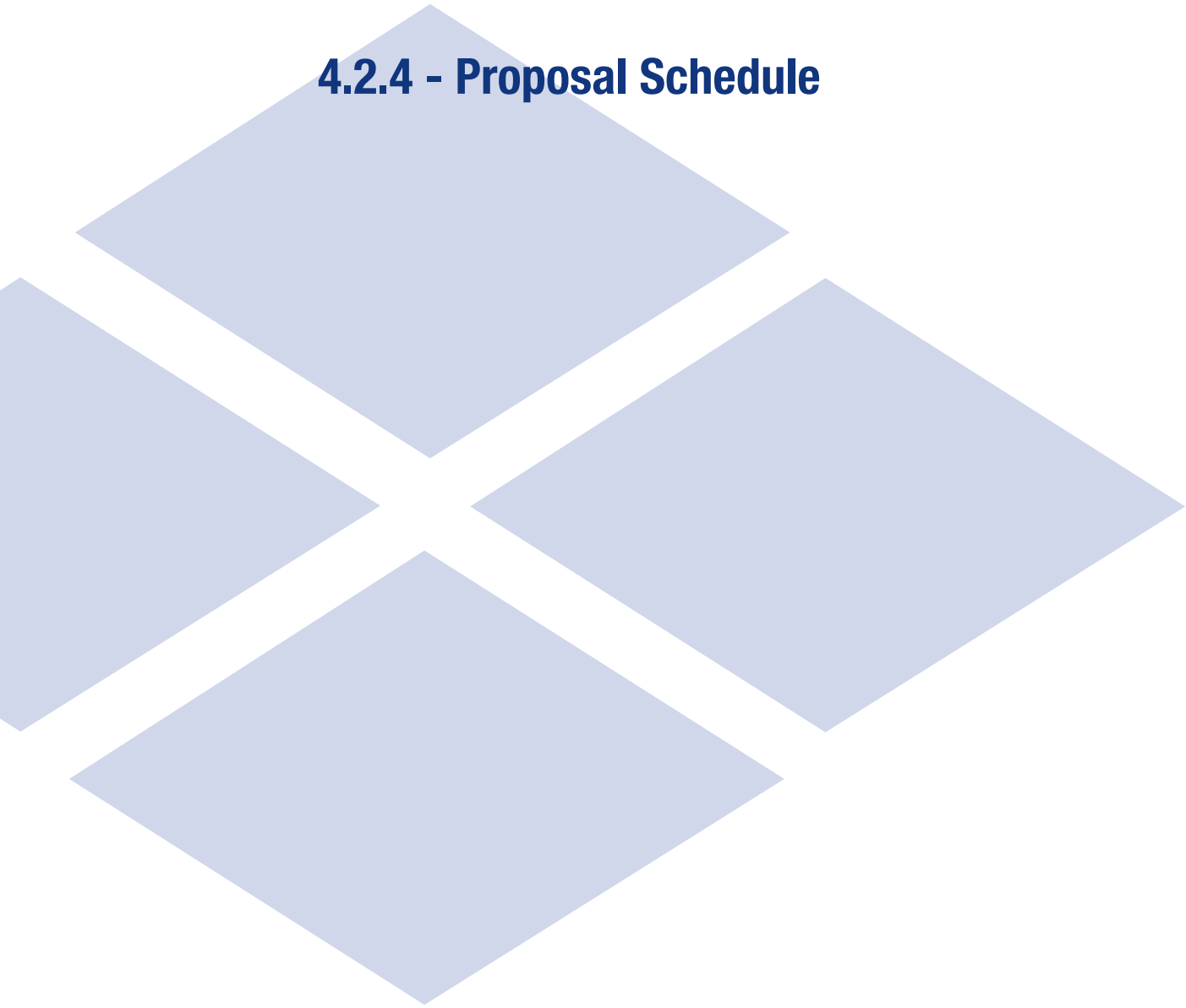
We confirm that the organizational chart and Key Personnel contained in our Statement of Qualifications (SOQ) remains true and accurate in accordance with Part 1, Section 11.4.

## 4.2.1 Organizational Chart

The Project Organizational Chart below identifies the chain of command and major functions to be performed and their reporting relationships in managing, designing and constructing the Project, including quality control/quality assurance. As there is no change to any functional relationships among the participants since the SOQ submittal, an updated narrative is not required.



## 4.2.4 - Proposal Schedule





## 4.2.4 Proposal Schedule

### 4.2.4.1 Proposal Schedule

Our Team’s Proposal Schedule is provided in our Volume II Design Concept.

### 4.2.4.2 Proposal Schedule Narrative

The Team has reviewed in detail the Boundary Channel Drive at I-395 Interchange Project and schedule requirements and has developed a Proposal Schedule outlining our plan to successfully manage all phases of the work. This schedule has been optimized to deliver the Project on time while meeting the requirements of the RFP, minimizing impacts to road users and stakeholders, protecting the environment, avoiding utilities, and ensuring the safety of workers and the public. A summary of the Contract and Schedule Milestones are shown in Table 1.

Table 1: Contract and Schedule Milestones

Contract and Schedule Milestones	Date
Notice of Intent to Award	May 24, 2021
CTB Approval/Notice to Award	June 23, 2021
Design-Build Contract Execution	July 14, 2021
Notice to Proceed	July 16, 2021
Final Roadway Plans Approved	March 20, 2022
Begin Stage 1A Construction	March 21, 2022
Begin Stage 1B Construction	October 13, 2022
Begin Stage 2A Construction	December 1, 2022
Begin Stage 2B Construction	May 24, 2023
Begin Stage 3 Construction	March 21, 2023
Interim Milestone Final Completion	September 22, 2023
Final Completion	November 21, 2023

### Work Breakdown Structure

Our Team has developed a detailed Proposal Schedule in accordance with the RFP requirements. The Team has organized the Schedule into a hierarchical Work Breakdown Structure (WBS), shown in Table 2, in order to demonstrate the relationships and activity durations amongst the milestones, scope validation period, design, public involvement, permitting, utility relocation, construction, and project management disciplines. All elements of the design-build process are captured under these Level 1 tasks and are described below:

- A. *Schedule Milestones:*** Area reserved for easy review of the Project status. The Scope Validation Period has also been included in this section.
- B. *Design Phase:*** Includes preliminary engineering services; geotechnical work; plan development; design QA/QC reviews; and VDOT and FHWA reviews and approvals. This section includes a second level WBS structure to group activities by preliminary, geotechnical, roadway and utility design.
- C. *Public Outreach:*** Includes activities for developing the planned public involvement process including essential information distribution, stakeholder information meetings, and public information meetings.
- D. *Permitting:*** Includes environmental, DoD Right of Entry, National Park Services (NPS) Special Park Uses, Arlington County RPA and WMATA Construction Access permit management and

## 4.2.4 Proposal Schedule

preparation, permit submissions, and reviews from the authorities having jurisdiction. Hazardous material surveys and threatened and endangered species identification and assessment are also included.

- E. Right-of-Way Acquisition:** Outlines and monitors the permitting of right-of-way for the Project including title searches, plats, appraisals and reviews.
- F. Utility Relocations:** Includes activities for utility relocations such as UFI meetings, preparation of plans and estimates (P&E), approval of plans and estimates, utility relocation design by the utility owner, approval of the utility design, and utility relocation. The utility relocations are separated into second level WBS groups based on utility owner.
- G. Construction:** The Construction section of the Schedule is segmented by additional levels of WBS structure to divide the construction activities into Stages and elements of work for the Project. This grouping of work packages is proven to allow for easy and clear tracking of activity progress to ensure on-time completion of the Project and the required Interim Milestone Final Completion Date.

Table 2: WBS Structure

WBS Path	WBS Name
<b>BCD1.A</b>	<b>SCHEDULE MILESTONES</b>
<b>BCD1.B</b>	<b>DESIGN PHASE</b>
BCD1.B.A	PRELIMINARY DESIGN
BCD1.B.B	GEOTECHNICAL INVESTIGATION and REPORT
BCD1.B.C	ROADWAY DESIGN
BCD1.B.E	UTILITY DESIGN
<b>BCD1.C</b>	<b>PUBLIC OUTREACH</b>
<b>BCD1.D</b>	<b>PERMITTING</b>
<b>BCD1.E</b>	<b>RIGHT OF WAY ACQUISITION/EASEMENTS</b>
BCD1.E.1	ARLINGTON COUNTY AND DoD
<b>BCD1.F</b>	<b>UTILITY RELOCATIONS</b>
BCD1.F.A	JONES COMMUNICATIONS (JUC)
BCD1.F.B	VERIZON (VZN)
BCD1.F.D	ARLINGTON COUNTY (APW)
BCD1.F.C	UNDERGROUND ELECTRIC
BCD1.F.E	VDOT
<b>BCD1.G</b>	<b>CONSTRUCTION</b>
BCD1.G.A	PROJECT GENERAL ITEMS
BCD1.G.B	ADMINISTRATION & PIM
BCD1.G.1	STAGE 1A CONSTRUCTION
BCD1.G.1.A	STAGE 1A GENERAL ITEMS
BCD1.G.1.B	STAGE 1A RA WEST
BCD1.G.1.C	STAGE 1A RA EAST
BCD1.G.1.D	STAGE 1A RAMP F1/ F2/LONG BRIDGE
BCD1.G.1.E	STAGE 1A RAMP E
BCD1.G.1.F	STAGE 1A RAMP AB-ON
BCD1.G.1.G	STAGE 1A CONNECTOR ROAD
BCD1.G.1.H	STAGE 1A SHARED USE PATH STA. 13+11.38 - 21+00.00
BCD1.G.2	STAGE 1B CONSTRUCTION
BCD1.G.2.A	STAGE 1B GENERAL ITEMS
BCD1.G.2.A1	STAGE 1B RAMP AB-OFF



## 4.2.4 Proposal Schedule

WBS Path	WBS Name
BCD1.G.2.B1	STAGE 1B LONG BRIDGE/BOUNDARY CHANNEL DRIVE
BCD1.G.3	STAGE 2A CONSTRUCTION
BCD1.G.3.A	STAGE 2A GENERAL ITEMS
BCD1.G.3.B	STAGE 2A BOUNDARY CHANNEL WEST
BCD1.G.3.C	STAGE 2A CONNECTOR ROAD
BCD1.G.3.D	STAGE 2A BOUNDARY CHANNEL DRIVE
BCD1.G.3.D.1	PHASE 1
BCD1.G.3.D.2	PHASE 2
BCD1.G.3.E	STAGE 2A RA EAST
BCD1.G.3.F	STAGE 2A LONG BRIDGE DRIVE/BOUNDARY CHANNEL DRIVE
BCD1.G.3.G	STAGE 2A RAMP F2/LONG BRIDGE
BCD1.G.4	STAGE 2B CONSTRUCTION
BCD1.G.4.A	STAGE 2B GENERAL ITEMS
BCD1.G.4.B	STAGE 2B RA EAST
BCD1.G.5	STAGE 3 CONSTRUCTION
BCD1.G.5.A	STAGE 3 GENERAL ITEMS
BCD1.G.5.B	STAGE 3 BOUNDARY CHANNEL DRIVE EB
BCD1.G.5.B.1	STAGE 3 CONNECTOR ROAD
BCD1.G.5.C	STAGE 3 BOUNDARY CHANNEL DRIVE WB
BCD1.G.5.C.1	STAGE 3 RAMP E
BCD1.G.5.C.2	STAGE 3 SHARED USE PATH STA. 13+11.38 - WESTERN TERMINUS
BCD1.G.5.C.3	STAGE 3 PUMP ACCESS ROAD
BCD1.G.5.D1	STAGE 3 SB I-395
BCD1.G.5.D1.1	STAGE 3 EXISTING SW QUADRANT RAMPS
<b>BCD1.G.6</b>	<b>PROJECT FINISHES</b>

### Construction Sequencing

Our Schedule is organized by the three major Stages of work. Within each Stage, the Schedule is further divided into the specific elements of work to segregate the construction of roadways. The limits of these Stages were carefully planned in order to construct the Project as safely and efficiently as possible, minimizing impacts to the traveling public while also optimizing the schedule duration. Figure 4.2.4.2.1 illustrates these Stages of construction.

The three Stages of construction are generally defined as follows:

- **Stage 1A** – Stage 1A construction focuses primarily on constructing the West Roundabout, Connector Road west widening, portions of Ramp AB on and off ramps, Ramp E, portions of East Roundabout, Long Bridge Drive and Ramps F1/F2 with minimal interference with existing traffic. The Ramp AB-on-ramp will be closed during this stage with a u-turn provided at the Connector Road to temporarily replace this traffic movement. The Shared Use Path (SUP) will also be constructed in this Stage from approximate Sta. 13+11.38 to Sta. 21+00.00. Temporary asphalt will be used to maintain minimum lane widths and access for the SW Quadrant Ramps. Lighting and Arlington County conduit system infrastructure will be installed in each Stage of construction (typical all Stages).
- **Stage 1B** – Construction in Stage 1B consists of completing the Ramp AB-off-ramp at the West Roundabout and a portion of Long Bridge Drive at the East Roundabout. Temporary asphalt will be used in this Stage to maintain minimum lane widths.

## 4.2.4 Proposal Schedule

- **Stage 2A** – The traffic shift onto the Stage 1A/1B construction is completed allowing the commencement of Stage 2 including construction of portions of Boundary Channel Drive from approximate Sta. 100+00.00 to Sta. 108+50.00; Sta. 111+75.00 to 117+75.00; Connector Road East widening, East Roundabout, Long Bridge Drive east widening; and a portion of Ramp F2. The construction of Boundary Channel Drive between approximate Sta. 111+75.00 to 117+75.00 will be constructed in two phases due to the limited access available under the existing bridge.
- **Stage 2B** – The traffic shift to Stage 2A construction allows completion of the East Roundabout and associated truck apron. Stage 2B and Stage 3 may commence concurrently in non-conflicting areas.
- **Stage 3** – Construction in this Stage includes the ultimate completion of Boundary Channel Drive from approximate Sta. 100+00.00 to Sta. 104+75.00, Connector Road, Pump Access Road, SUP, and Ramp E. Shoulder construction for I-395 SB, modifications between the Ramps AB-on and off ramps and demolition of pavement in the SW quadrant are also completed in this Stage. At the end of this Stage, traffic is shifted to the final configuration. Stage 3 work will proceed concurrently with Stage 2A and 2B construction once individual elements in Stage 2A and 2B are complete.
- **Project Finishes** – Once the traffic switch is made in Stage 3, finishing work will commence to include final milling, overlay and surface paving, pavement markings, signage, guardrail, Riparian Buffer restoration and final inspection/punch list completion prior to achieving the Interim Milestone Final Completion Date. Work also includes completion of the lighting and landscaping between the Interim Milestone Final Completion Date and the Final Completion Date in accordance with the Attachment to Part 3 Article 5.

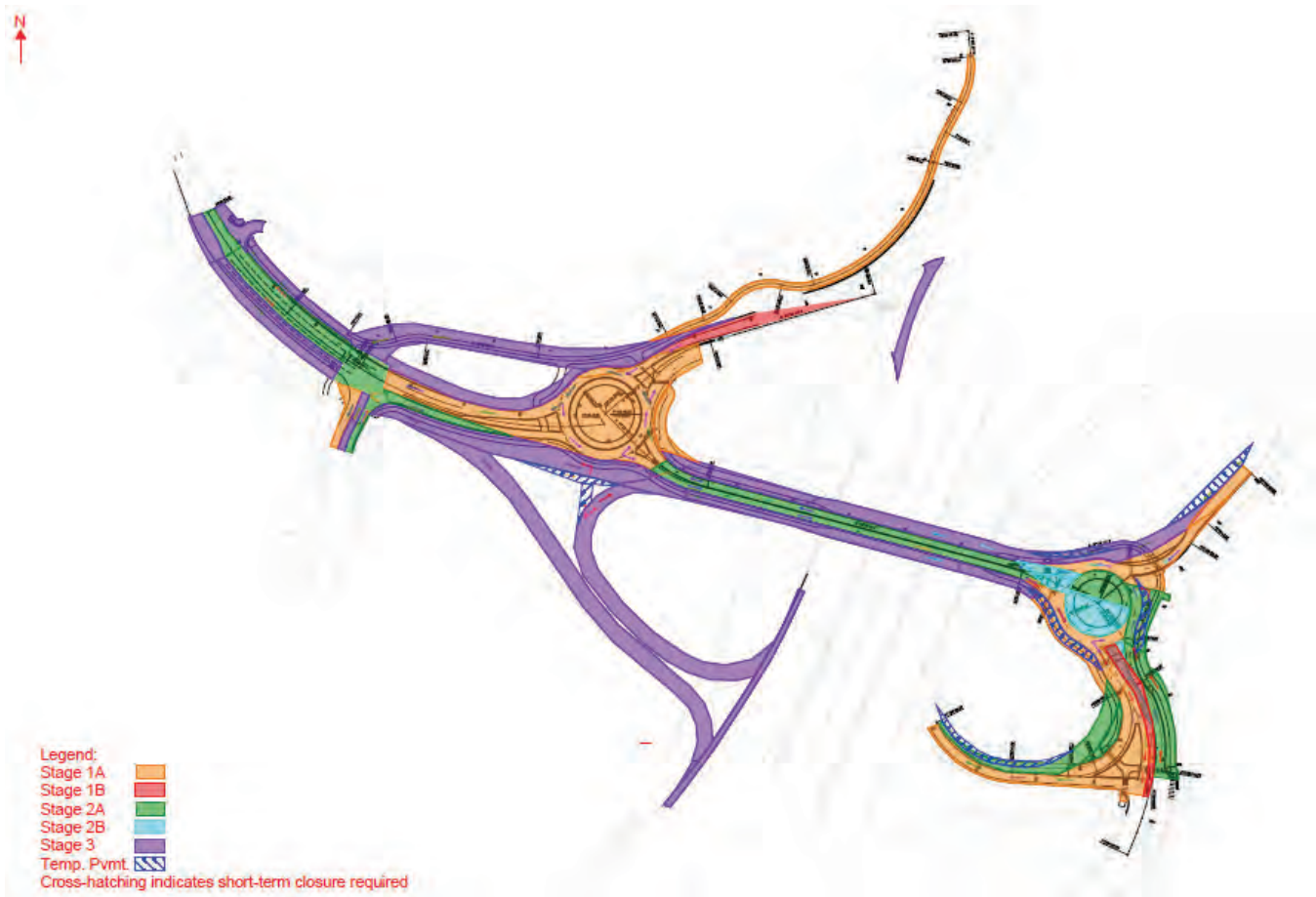


Figure 4.2.4.2.1 - Site Map with Stages of Work

### Schedule Calendars

The following is a description of the calendars used for this Project.

#### *Standard 5-Day Holidays No Weather Calendar*

This calendar is based on five working days per week with holidays inserted as non-work days. This calendar is used for all design and administrative activities in the CPM network.

#### *Standard 5-Day Holiday w/Weather Calendar*

This calendar is used for the majority of construction activities. It includes holidays inserted in the “Standard 5-Day Holidays No Weather” calendar as well as ‘block-out’ days for the anticipated normal weather in the region.

#### *Standard Asphalt Calendar*

Assigned to activities that are unable to be performed during mid-December through mid-March due to cold weather. Activities such as roadway paving, trail paving and cement treated aggregate are included in this restricted calendar.

#### *Standard 7-Day Calendar*

Assigned to activities that have durations based on calendar days instead of work days. Activities such as Arlington County, DoD and VDOT’s submittal/permit review are included in this calendar.

### Plan to Accomplish the Work / Means and Methods

The narrative below describes our Team’s overall plan and sequence of operations grouped by the Level I WBS Project disciplines. These include Design, Public Outreach, Permitting, ROW Acquisition, Utility Relocations, Construction, and Project Finishes. The sequencing of each discipline was developed by considering the construction phasing and determining the longest path to Project Completion. All factors were considered including utility relocations, manpower, subcontractors, materials, design, permitting constraints, and most importantly, public and workforce safety. The Project staging was developed to address the full scope of work, and was further refined based on plan approvals, anticipated receipt of permits and access to ROW parcels for construction.

#### **Design**

This section of the schedule includes those activities necessary for preliminary site survey, utility test pits, geotechnical investigations, roadway design, and third-party coordination, and engineering plan preparation and approvals. It also includes time for Design QA/QC reviews at multiple steps in the design process. Plan reviews and approvals include activity durations of 28 calendar days for each submission, which comprise VDOT’s 21 day and the County’s 28 day review periods as outlined in the RFP.

Our Team begins the design phase immediately upon execution of the Contract. The roadway plans are scheduled to be approved by March 20, 2022. Approval of the roadway plans allow for Stage 1 construction to commence and for utility relocations to begin within existing utility easements or VDOT right-of-way.

#### **Public Outreach**

The Public Outreach section includes submitting our Emergency Contact List upon NTP and scheduling a design Public Information meeting. Public Information Meetings will be conducted at incremental points during construction. The Schedule includes activities for the Public Information Meetings which will include local businesses, homeowner’s associations, government representatives, community groups, and other stakeholders as applicable. We will also provide information for regular weekly lane closure

## 4.2.4 Proposal Schedule

schedules and traffic switches to Arlington County for use on their website.

### Permitting

The Permitting process will begin at NTP with gaining access to affected property owners along the Project's corridor to begin the required Phase I Environmental Site Assessments. Following completion and submission of the 60% roadway plans, we will submit the necessary Permit Applications to the authorities having jurisdiction (AHJ). Our Team will also complete the requisite VPDES, Stormwater Pollution Prevention Plans (SWPPP) and related information for inclusion on the VDOT SWPPP General Information sheets.

### Right-of-Way Acquisition

The acquisition of property access rights have been divided and grouped between the two known Owners - Arlington County and the United States Department of Defense (DoD). The Schedule includes preparation of plats, appraisals, and coordination with Arlington County and DoD to obtain the necessary land rights for the Project.

### Utility Relocations

To simplify and accurately track each utility relocation, we created a WBS that groups the utility relocation activities by utility owner. Within each utility owner group, we have included activities for holding the Utility Field Inspection (UFI) meeting, preparation of the plans and estimates by the utility owner (or by Contractor), approval of the plans and estimates, design of the utility relocation, and relocation of the utilities. The utility relocation schedule starts with formal UFI meetings following completion of all utility test pits and progression of design documents to roughly 60%. This enables our Team to confirm and adjust our list of utility conflicts based on the field test pit data obtained prior to holding the formal UFI meetings. We continue this early coordination of utilities throughout the design phase of the Project to ensure that right-of-way and roadway plans are coordinated with the utility relocation plans. The Schedule reflects the need to relocate Jones Communications (JUC), Verizon (VZN), underground electric, and VDOT fiber optic facilities. The majority of the relocations are thought to be minor (lift and lay) in scope to primarily avoid proposed storm sewer.

Wet utility relocation includes an Arlington County (APW) fire hydrant in conflict with the proposed Long Bridge Drive construction. The existing 16" sanitary force main is not thought to be in conflict with the proposed construction and is included for test pit verification only.

The timeframes for utility relocations are identified in our Proposal Schedule and linked to the appropriate construction activities. Because of the strategic sequencing of our Schedule and our design avoidance efforts, most utility relocations are not anticipated to be on the critical path.

### Construction

Construction requires substantial resource coordination and management while working simultaneously in different areas, and sometimes in different stages. Our Project Team will employ a very detailed CPM to manage the multiple features of work including design, permitting, right-of-way, utility relocation and construction. Field resource efficiency, planning and communication will be maximized utilizing three-week schedules in addition to the CPM, production planners, machine control, GPS and Field Data Capture. The sequence of work by Stage is described above.

### Project Finishes

Project Finishes along with the restoration of the Riparian Buffer will be performed in phases as sufficient work is completed to allow for superior quality for the finished product. All activities, with the exception of

## 4.2.4 Proposal Schedule

the Lighting and Landscaping scopes, shall be completed prior to the Interim Milestone Final Completion Date.

### Critical Path

Listed below in Table 3 is a description of the Project’s Critical Path as depicted in the Proposal Schedule. In summary, the Critical Path runs directly through the design and plan approvals of the roadway and project permitting. The critical construction activities run through Stage 1A roundabouts RA-West and RA-East including Ramps F1, F2 and Long Bridge Drive; Stage 2A Boundary Channel Drive from approximate Sta. 100+00.00 to Sta. 108+50.00 and Sta. 111+75.00 to 117+75.0; Stage 3 Boundary Channel Drive EB and WB along behind the curb and completes with the Project Finishes achieving the Interim Milestone Final Completion Date and ultimate Final Completion.

Table 3: Project Critical Path

WBS Name	Activity Name
BCD1.A SCHEDULE MILESTONES	
A1060	NOTICE TO PROCEED
A1120	BEGIN STAGE 1B CONSTRUCTION
A1130	BEGIN STAGE 2A CONSTRUCTION
A1200	INTERIM MILESTONE FINAL COMPLETION
A1220	FINAL PUNCHLIST
A1240	FINAL COMPLETION
BCD1.B DESIGN PHASE	
BCD1.B.A PRELIMINARY DESIGN	
BA1020	SUPPLEMENTAL BASE MAPPING/FIELD SURVEY
BCD1.B.C ROADWAY DESIGN	
BC1000	PREPARE ROADWAY/ROW PLANS (1ST SUBMISSION)
BC1020	SUBMIT ROADWAY/ROW PLANS (1ST SUBMISSION)
BC1040	VDOT/FHWA REVIEW/COMMENT ROADWAY/ROW PLANS (1ST SUBMISSION)
BC1060	PREPARE ROADWAY PLANS (2ND SUBMISSION)
BC1080	SUBMIT ROADWAY PLANS (2ND SUBMISSION)
BCD1.D PERMITTING	
D1100	PERMITTING COMPLETE
D1200	CONSTRUCTION NOTIFICATION TO AGENCIES (HOLD POINT)
D1410	PREPARE AND SUBMIT RPA PERMIT (ARLINGTON COUNTY)
D1430	PREPARE AND SUBMIT FORM RM-53 (ARLINGTON COUNTY/NPS)
D1440	FORM RM-53 APPROVED
D1450	PREPARE AND SUBMIT TREE INVENTORY (ARLINGTON COUNTY/DoD NCPC)
D1460	TREE INVENTORY APPROVED
D1470	PREPARE AND SUBMIT RIGHT-OF-ENTRY DoD (NCPC) – DESIGN
D1475	RIGHT-OF-ENTRY APPROVED - DESIGN
BCD1.G CONSTRUCTION	
BCD1.G.A PROJECT GENERAL ITEMS	

## 4.2.4 Proposal Schedule

WBS Name	Activity Name
GA1020	MOBILIZATION FOR CONSTRUCTION
GA1040	SETUP FIELD OFFICES & STAGING AREA
GA1060	INITIAL SURVEY CONTROLS
GA1080	INITIAL MOT DEVICES/CONSTRUCTION SIGNAGE
BCD1.G.1 STAGE 1A CONSTRUCTION	
BCD1.G.1.A STAGE 1A GENERAL ITEMS	
G1A21000	SURVEY/LAYOUT LOD/MOT DEVICES
G1A31000	CLEAR AND GRUB
G1A32000	INSTALL EROSION CONTROLS
BCD1.G.1.B STAGE 1A RA WEST	
G1B110000	INSTALL SIGNAGE FOR TEMPORARY U-TURN BCD/ CONNECTOR ROAD
G1B110010	CLOSE EXISTING RAMP AB-ON
G1B110020	DEMOLISH PORTION OF EXISTING MEDIAN/FILL WITH ASPHALT
G1B110030	EXCAVATE/GRADE FOR TEMPORARY ASPHALT
BCD1.G.1.C STAGE 1A RA EAST	
G1C11000	EXCAVATE/GRADE FOR TEMPORARY ASPHALT
G1C11100	PLACE TEMPORARY ASPHALT
G1C11200	TEMPORARY PAVEMENT MARKINGS
G1C11400	SHIFT TRAFFIC BCD WEST BOUND
G1C14100	SWITCH TRAFFIC TO PHASE 1A CONSTRUCTION
BCD1.G.1.D STAGE 1A RAMP F1/F2/ LONG BRIDGE	
G1D11000	EXCAVATE/GRADE FOR TEMPORARY ASPHALT
G1D11100	TEMPORARY PAVEMENT MARKINGS
G1D11200	PLACE TEMPORARY ASPHALT
G1D11300	PLACE TEMPORARY BARRIER
G1D11400	SHIFT TRAFFIC NORTH ON RAMP F1
G1D11410	PAVEMENT DEMOLITION
G1D12100	EXCAVATION/GRADING
G1D12200	INSTALL STORM SEWER
G1D12300	PREPARE SUBGRADE/FINE GRADING
G1D12400	PLACE AGGREGATE BASE
G1D12500	INSTALL UNDERDRAIN
G1D12600	INSTALL CURB & GUTTER
G1D12700	INSTALL MS-1/MS-2
G1D12800	PLACE ASPHALT PAVEMENT SECTION
G1D12900	SITE/DITCH GRADING
G1D13000	STABILIZATION
G1D13100	INSTALL ROADWAY SIGNAGE
G1D13200	PAVEMENT MARKINGS
BCD1.G.2 STAGE 1B CONSTRUCTION	
BCD1.G.2.A STAGE 1B GENERAL ITEMS	
G2A21000	SURVEY/LAYOUT LOD
G2A32000	INSTALL EROSION CONTROLS

## 4.2.4 Proposal Schedule

WBS Name	Activity Name
BCD1.G.2.A1 STAGE 1B RAMP AB-OFF	
G2C10000	EXCAVATE/GRADE FOR TEMPORARY ASPHALT
G2C10100	PLACE TEMPORARY ASPHALT
G2C10200	TEMPORARY PAVEMENT MARKINGS
G2C15000	PAVEMENT DEMOLITION
G2C15100	EXCAVATION/GRADING
G2C15200	PREPARE SUBGRADE/FINE GRADING
G2C15300	PLACE AGGREGATE BASE
G2C15400	INSTALL UNDERDRAIN
G2C15500	INSTALL CURB & GUTTER
G2C15600	PLACE ASPHALT PAVEMENT SECTION
G2C15700	SITE GRADING
G2C15800	STABILIZATION
G2C15900	INSTALL ROADWAY SIGNAGE
G2C16000	PAVEMENT MARKINGS
BCD1.G.2.B1 STAGE 1B LONG BRIDGE/ BOUNDARY CHANNEL DRIVE	
G2E11100	SHIFT TRAFFIC
BCD1.G.3 STAGE 2A CONSTRUCTION	
BCD1.G.3.A STAGE 2A GENERAL ITEMS	
G3A15000	SURVEY/LAYOUT LOD/MOT DEVICES
G3A15200	INSTALL EROSION CONTROLS
BCD1.G.3.B STAGE 2A BOUNDARY CHANNEL WEST	
G3B10400	PAVEMENT DEMOLITION
BCD1.G.3.D STAGE 2A BOUNDARY CHANNEL DRIVE	
BCD1.G.3.D.1 PHASE 1	
G3D10000	TEMPORARY PAVEMENT MARKINGS
G3D10010	DEMOLISH/FILL EXISTING CONCRETE MEDIAN
G3D10050	SHIFT TRAFFIC
G3D10100	PAVEMENT DEMOLITION
G3D10300	INSTALL STORM SEWER
G3D10400	PREPARE SUBGRADE/FINE GRADING
G3D10500	PLACE AGGREGATE BASE
G3D10600	INSTALL UNDERDRAIN
G3D10700	INSTALL CURB & GUTTER
G3D11000	PLACE ASPHALT PAVEMENT SECTION
G3D11100	SITE GRADING
G3D11200	STABILIZATION
G3D11300	INSTALL ROADWAY SIGNAGE
G3D11400	PAVEMENT MARKINGS
G3D11500	SWITCH TRAFFIC TO PHASE 1 CONSTRUCTION
BCD1.G.3.D.2 PHASE 2	
G3D20000	PAVEMENT DEMOLITION

## 4.2.4 Proposal Schedule

WBS Name	Activity Name
G3D20200	EXCAVATION/GRADING
G3D20400	PREPARE SUBGRADE/FINE GRADING
G3D20500	PLACE AGGREGATE BASE
G3D20600	INSTALL UNDERDRAIN
G3D20700	INSTALL CURB & GUTTER
G3D21000	PLACE ASPHALT PAVEMENT SECTION
G3D21100	SITE GRADING
G3D21200	STABILIZATION
G3D21300	INSTALL ROADWAY SIGNAGE
G3D21400	PAVEMENT MARKINGS
G3D21500	OPEN TRAFFIC
BCD1.G.5 STAGE 3 CONSTRUCTION	
BCD1.G.5.B STAGE 3 BOUNDARY CHANNEL DRIVE EB	
G5B12200	PAVEMENT DEMOLITION
BCD1.G.5.C STAGE 3 BOUNDARY CHANNEL DRIVE WB	
G5A10000	PAVEMENT DEMOLITION
G5A10100	STRIP TOPSOIL
G5A10300	INSTALL STORM SEWER
G5A10400	PREPARE SUBGRADE/FINE GRADING
G5A10500	PLACE AGGREGATE BASE
G5A10600	INSTALL UNDERDRAIN
G5A10700	INSTALL CURB & GUTTER
G5A10800	FINE GRADE SHARED USE PATH (SUP)
G5A10900	PLACE AGGREGATE BASE SUP
G5A11000	PLACE ASPHALT PAVEMENT SECTION SUP
G5A11200	SITE/DITCH GRADING
G5A11300	STABILIZATION
G5A11400	INSTALL ROADWAY SIGNAGE
G5A11500	PAVEMENT MARKINGS
BCD1.G.6 PROJECT FINISHES	
G6A10050	FINAL ASPHALT MILL/OVERLAY AND SURFACE PAVING
G6A10100	PERMANENT PAVEMENT MARKINGS
G6A10200	FINAL GUARDRAIL/ATTENUATORS
G6A10300	PROJECT LIGHTING/ITS COMPLETION

### Key Scheduling Assumptions

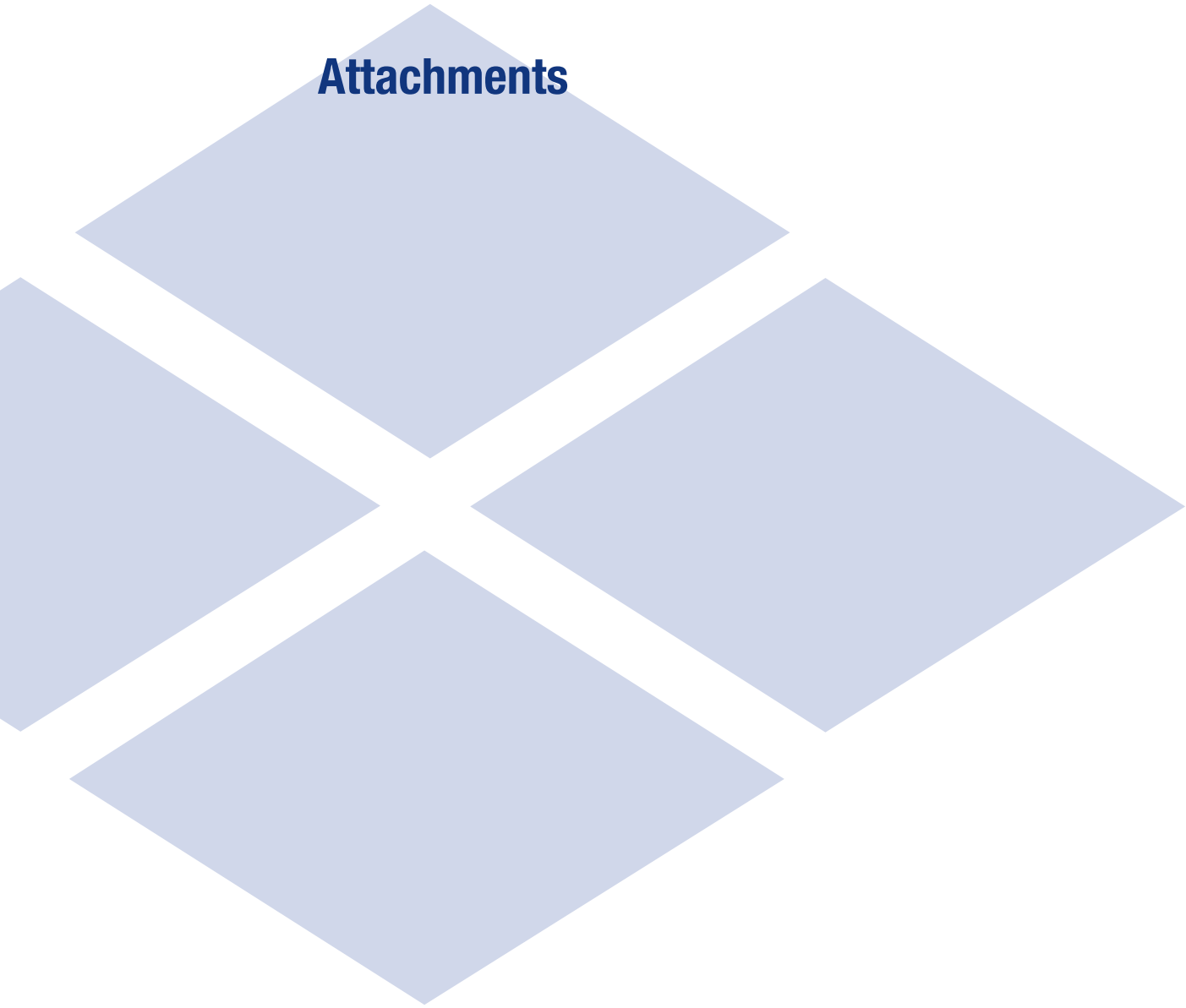
- Right-of-way acquisitions/permits can be completed with two groups between Arlington County and DoD with priority to allow for earliest construction availability.
- Utility companies/owners will coordinate their relocations in accordance with our Proposal Schedule.
- There are no unknown utilities that conflict with or delay the planned sequence of work.
- There are no hazardous material, threatened & endangered species, permits or unforeseen environmental constraints, other than those identified in the RFP, that could delay the Proposal Schedule.
- Crew leveling has been developed through crew-flow relationships between like activities.



## 4.2.4 Proposal Schedule

- Crews are based on an 8-hour workday and 5-day workweek calendar. A detailed description of the calendars is included in this narrative.
- Generally, the schedule has been built with work in certain Areas of the Project starting when access is available (either via work availability, property rights, or utility access) and/or at the completion of a prior stage of work. We have provided some crew flow predecessor relationships in several locations throughout the Schedule mainly where adjacent work is available and crew flow is logical as to not 'stack' too many construction elements within a Stage.
- Finish-Start relationships are used as much as possible to create a logical flow of work in each area.
- There is some overlapping of activities such as with earthwork and drainage activities performed by different crews as required to work in multiple areas within the stages.

# Attachments





# **Attachment 4.0.1.1 - Letter of Submittal and Attachments Checklist**

**ATTACHMENT 4.0.1.1**

**Boundary Channel Drive at I-395 Interchange**

**LETTER OF SUBMITTAL AND ATTACHMENTS CHECKLIST**

Offerors shall furnish a copy of this Letter of Submittal Checklist, with the page references added, with the Letter of Submittal.

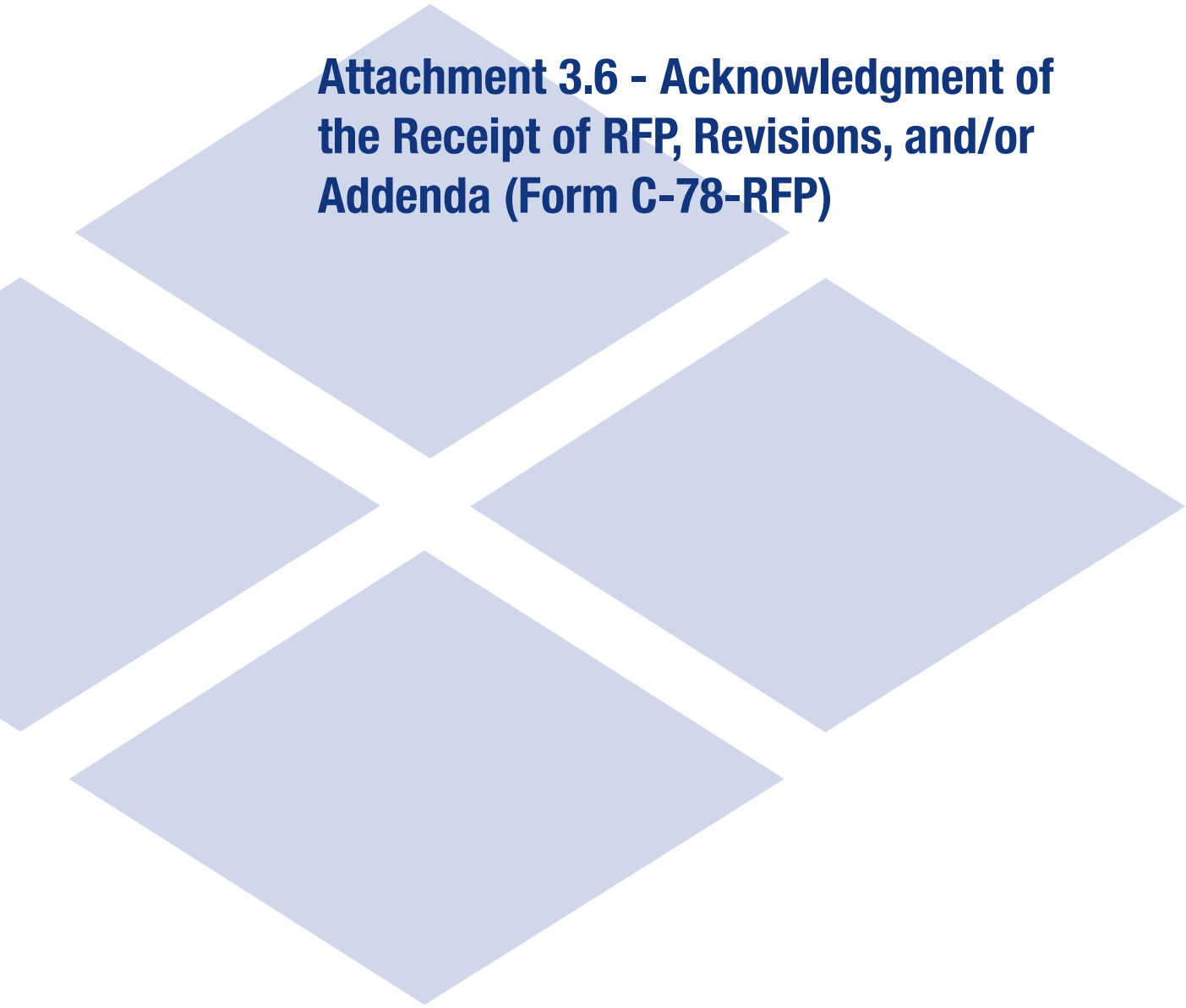
<b>Technical Proposal Component</b>	<b>Form (if any)</b>	<b>RFP Part 1 Cross Reference</b>	<b>Page Reference</b>
<b>Letter of Submittal and Attachments Checklist</b>	Attachment 4.0.1.1	Section 4.0.1.1	Attachments
<b>Acknowledgement of RFP, Revisions, and/or Addenda</b>	Attachment 3.6 (Form C-78-RFP)	Sections 3.6, 4.0.1.1	Attachments
<b>Letter of Submittal</b>	NA	Sections 4.1	1
Letter of Submittal on Offeror's letterhead	NA	Section 4.1.1	1
Offeror's official representative information	NA	Section 4.1.1	1
Authorized representative's original signature	NA	Section 4.1.1	1
Declaration of intent	NA	Section 4.1.2	1
120 day declaration	yes	Section 4.1.3	1
Point of Contact information	yes	Section 4.1.4	1
Principal Officer information	NA	Section 4.1.5	1
Interim Milestone and Final Completion Dates	NA	Section 4.1.6	1
Proposal Payment Agreement or Waiver of Proposal Payment	Attachment 9.3.1 or 9.3.2	Section 4.1.7	Attachments
Certification Regarding Debarment Forms	Attachment 11.8.6(a) Attachment 11.8.6(b)	Section 4.1.8	Attachments
Written statement of percent DBE participation	NA	Section 4.1.9	1

**ATTACHMENT 4.0.1.1**

**Boundary Channel Drive at I-395 Interchange**

**LETTER OF SUBMITTAL AND ATTACHMENTS CHECKLIST**

<b>Technical Proposal Component</b>	<b>Form (if any)</b>	<b>RFP Part 1 Cross Reference</b>	<b>Page Reference</b>
<b>Attachments to the Letter of Submittal</b>			
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	
Organizational chart with any updates since the SOQ submittal clearly identified	NA	Section 4.2.1	2
Revised narrative when organizational chart includes updates since the SOQ submittal	NA	Section 4.2.1	N/A
Conceptual Roadway Plans	NA	Section 4.2.2	Volume II
<b>Proposal Schedule</b>			
Proposal Schedule	NA	Section 4.2.4	
Proposal Schedule Narrative	NA	Section 4.2.4.1	Volume II
Proposal Schedule in electronic format	NA	Section 4.2.4.2	3-13
	NA	Section 4.2.4	Uploaded



**Attachment 3.6 - Acknowledgment of  
the Receipt of RFP, Revisions, and/or  
Addenda (Form C-78-RFP)**

**ATTACHMENT 3.6****COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION**RFP NO. C00116394DB109PROJECT NO.: 6587-000-R89**ACKNOWLEDGEMENT OF RFP, REVISION AND/OR ADDENDA**

Acknowledgement shall be made of receipt of the Request for Proposals (RFP) and/or any and all revisions and/or addenda pertaining to the above designated project which are issued by the Department prior to the Letter of Submittal submission date shown herein. Failure to include this acknowledgement in the Letter of Submittal may result in the rejection of your proposal.

By signing this Attachment 3.6, the Offeror acknowledges receipt of the RFP and/or following revisions and/or addenda to the RFP for the above designated project which were issued under cover letter(s) of the date(s) shown hereon:

1. Cover letter of RFP – February 24, 2021  
(Date)
2. Cover letter of RFP Addendum No. 1 – April 9, 2021  
(Date)
3. Cover letter of RFP Addendum No.2 – April 28, 2021  
(Date)
4. Cover letter of RFP Addendum No. 3 – May 6, 2021  
(Date)



SIGNATURE

May 12, 2021

DATE

Garry A. Palleschi

PRINTED NAME

Vice President

TITLE



# Attachment 9.3.1 - Proposal Payment Agreement



---

**ATTACHMENT 9.3.1**  
**PROPOSAL PAYMENT AGREEMENT**

**THIS PROPOSAL PAYMENT AGREEMENT** (this “Agreement”) is made and entered into as of this \_\_\_\_ day of \_\_\_\_\_, 2021, by and between the Virginia Department of Transportation (“VDOT”), and Shirley Contracting Company, LLC (“Offeror”).

**WITNESSETH:**

**WHEREAS**, Offeror is one of the entities who submitted Statements of Qualifications (“SOQs”) pursuant to VDOT’s October 21, 2020 Request for Qualifications (“RFQ”) and was invited to submit proposals in response to a Request for Proposals (“RFP”) for the Boundary Channel Drive at I-395 Interchange, Project No. 6587-000-R89, 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:

1. **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 [written number] and 00/100 Dollars (\$[numerical].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. **Effective Date of this Agreement.** 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. **Indemnity.** 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. **Assignment.** 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. **Authority to Enter into this Agreement.** 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.

e. 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: \_\_\_\_\_

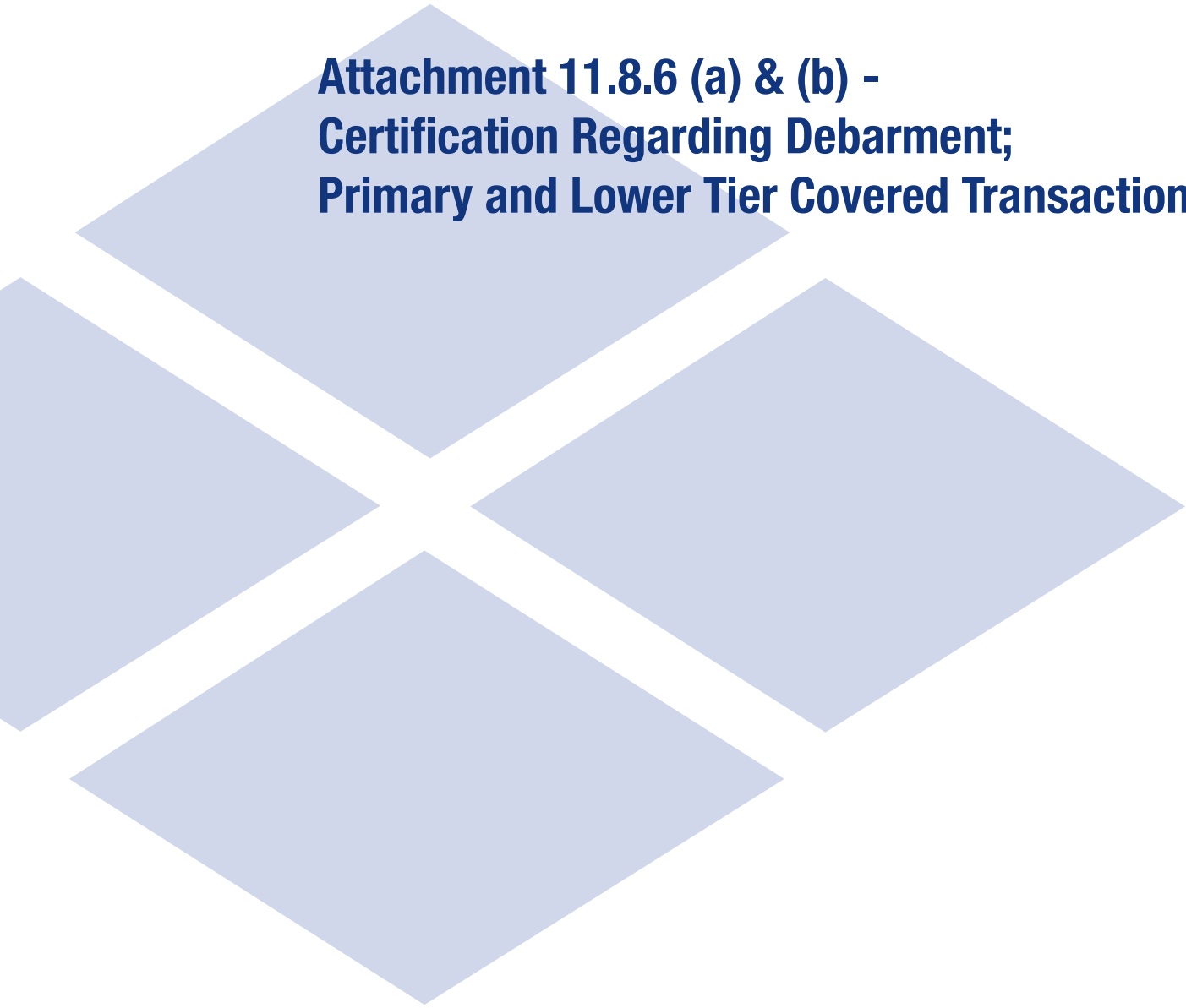
Title: \_\_\_\_\_

*[Insert Offeror's Name]* Shirley Contracting Company, LLC

By:  \_\_\_\_\_

Name: Garry A. Palleschi

Title: Vice President



**Attachment 11.8.6 (a) & (b) -  
Certification Regarding Debarment;  
Primary and Lower Tier Covered Transactions**

**ATTACHMENT 11.8.6(a)**  
**CERTIFICATION REGARDING DEBARMENT**  
**PRIMARY COVERED TRANSACTIONS**

**Project No.: 6587-000-R89, 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.



May 12, 2021

Vice President

Signature

Date

Title

Shirley Contracting Company, LLC

Name of Firm

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

Project No.: 6587-000-R89, 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.

<i>Dave Mahoney</i>	<i>4/29/2021</i>	<i>Executive Vice President</i>
Signature	Date	Title
<i>Dewberry Engineers Inc.</i>		
Name of Firm		

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

**Project No.: 6587-000-R89, 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.

*Edward Quinn Viniski*      4/29/21      President  
Signature                      Date                      Title

Quinn Consulting Services, Inc.  
Name of Firm



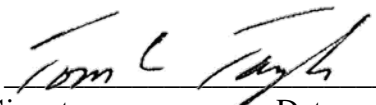
**ATTACHMENT 11.8.6(b)**  
**CERTIFICATION REGARDING DEBARMENT**  
**LOWER TIER COVERED TRANSACTIONS**

**Project No.: 6587-000-R89, P101, R201, C501**

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	4/29/2021	President
Signature	Date	Title

**Specialized Engineering (DIW Group, Inc. t/a Specialized Engineering**  
Name of Firm


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

**Project No.: 6587-000-R89, 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.

	04/29/2021	President
Signature	Date	Title

Dulles Geotechnical and Material Testing Services, Inc.  
Name of Firm

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

**Project No.: 6587-000-R89, 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.

<u>Marlin Zook</u>	<u>4/29/2021</u>	<u>Vice President</u>
Signature	Date	Title

Quantum Spatial, Inc.  
Name of Firm

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

**Project No.: 6587-000-R89, 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.

DocuSigned by:

*Cook F. Munson*

05-04-2021

Vice President, General Counsel & Secretary

D830117A89C54AD...

Signature

Date

Title

Surveying And Mapping, LLC.

Name of Firm

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

Project No.: 6587-000-R89, 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.

Jeanette Dalbode      4/29/21      President  
Signature                      Date                      Title

Diversified Property Services, Inc  
Name of Firm

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

Project No.: 6587-000-R89, 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.

<u>R. Robert Ryndak</u>	<u>4-29-21</u>	<u>Vice President</u>
Signature	Date	Title

Key Title II, LLC  
Name of Firm

Response to Request for Proposals

# VOLUME II DESIGN CONCEPT AND PROPOSAL SCHEDULE BOUNDARY CHANNEL DRIVE AT I-395 INTERCHANGE

Arlington County, Virginia

State Project No.: 6587-000-R89, P101, R201, C501

Federal Project No.: NHPP-5B01(120)

Contract ID Number: C00116394DB109

May 12, 2021



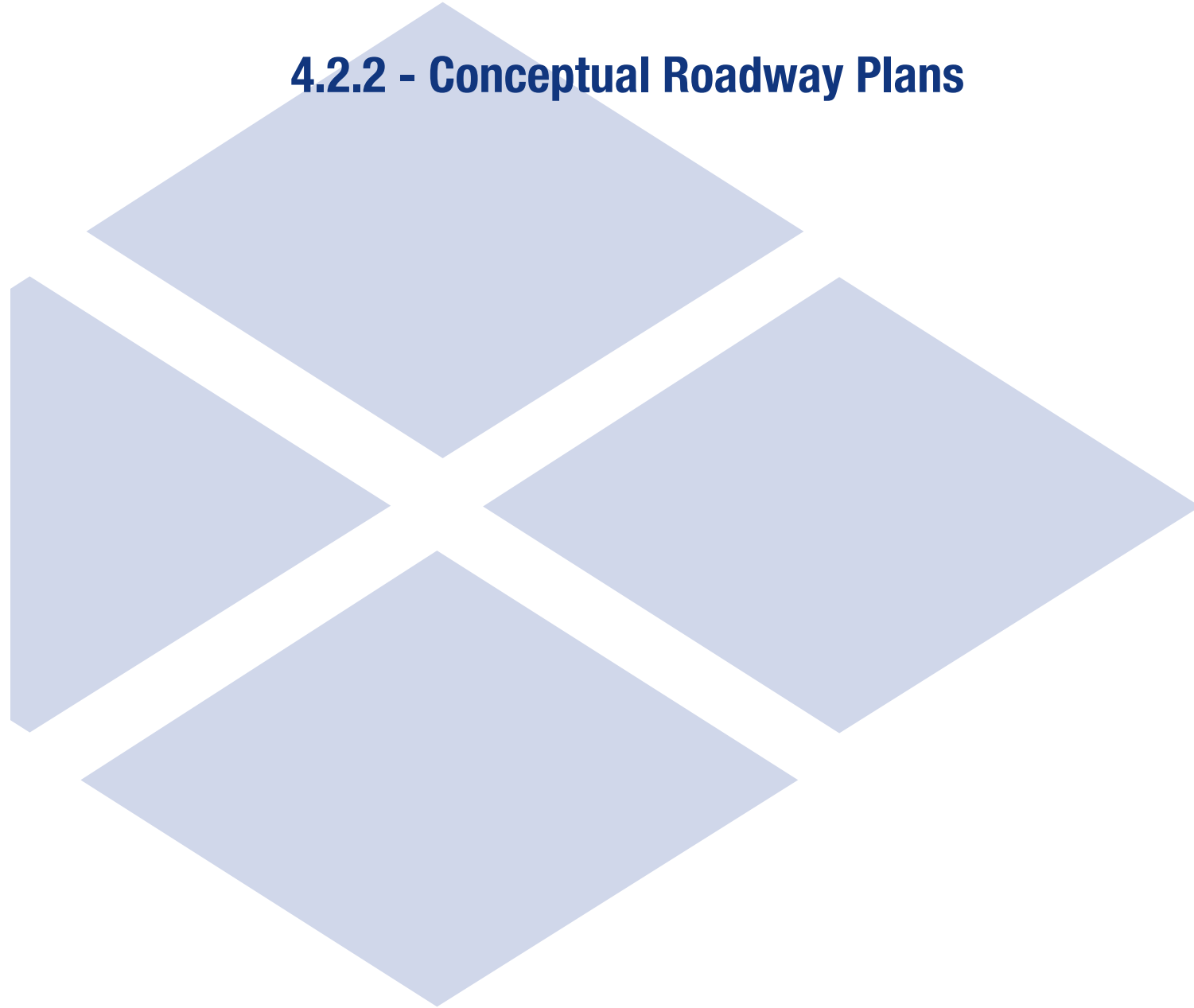
Submitted By:



In Association With:



### 4.2.2 - Conceptual Roadway Plans

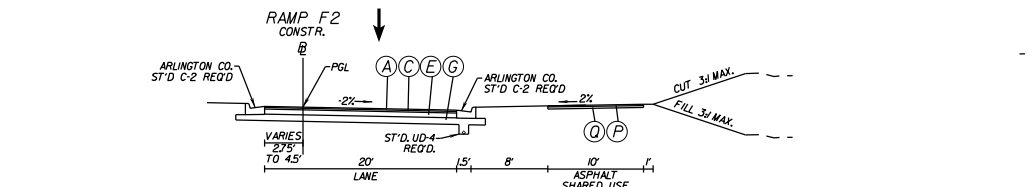
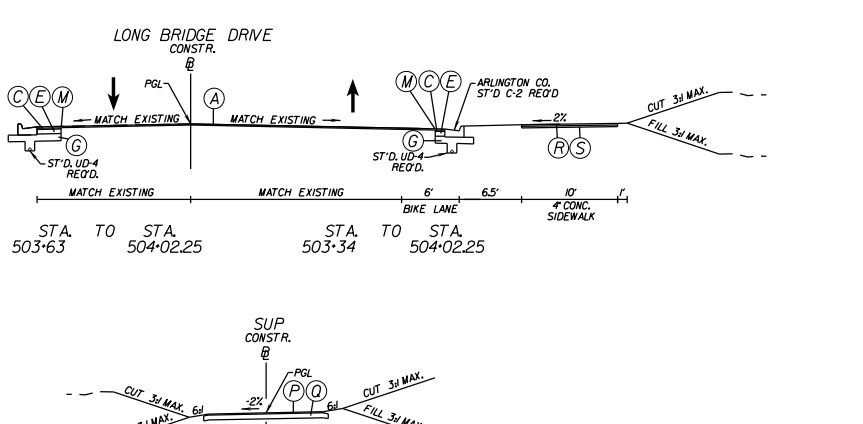
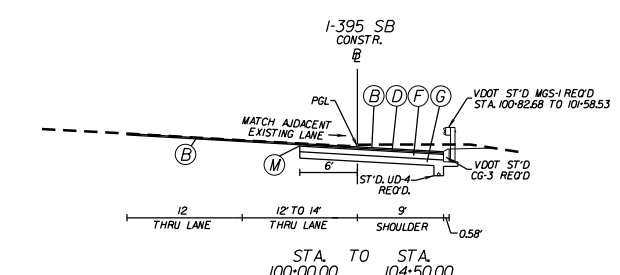
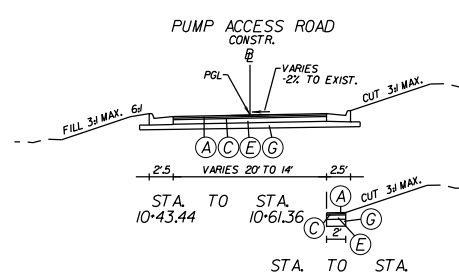
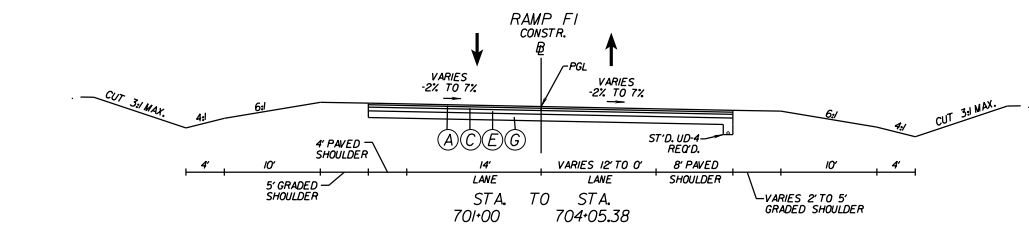
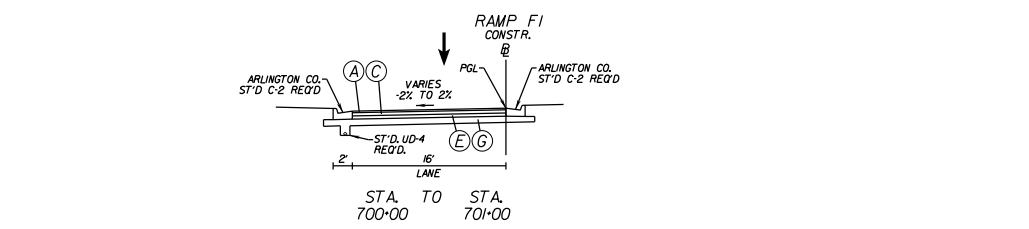
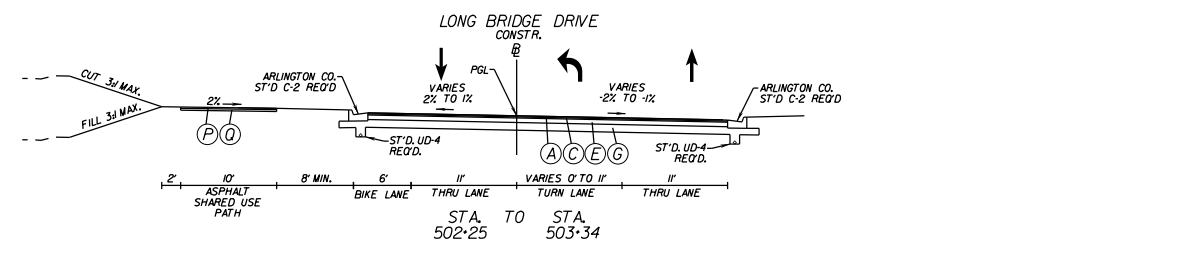
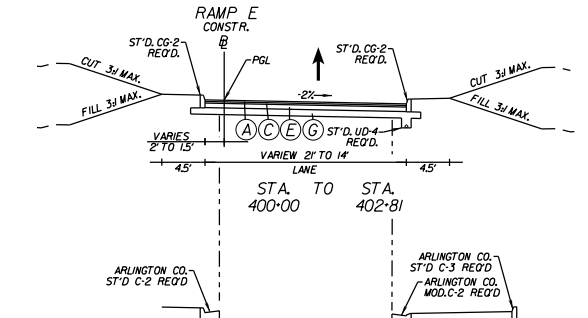
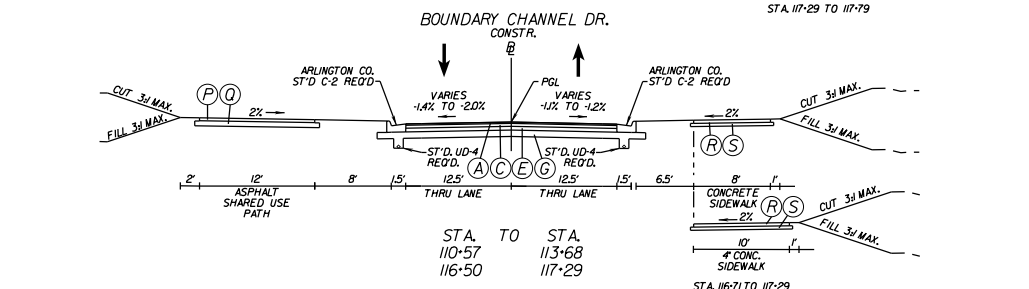
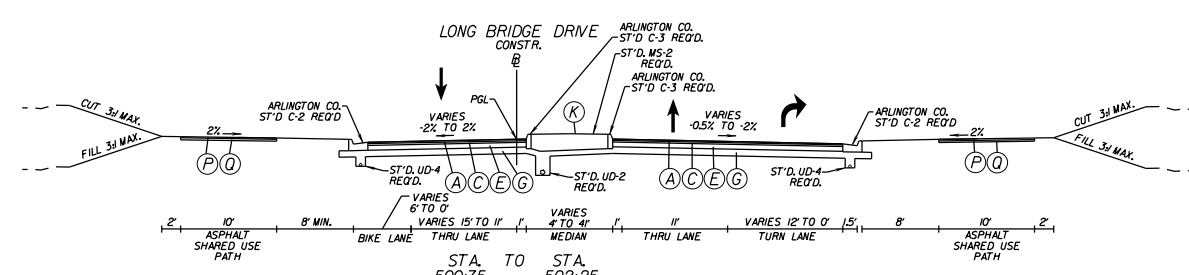
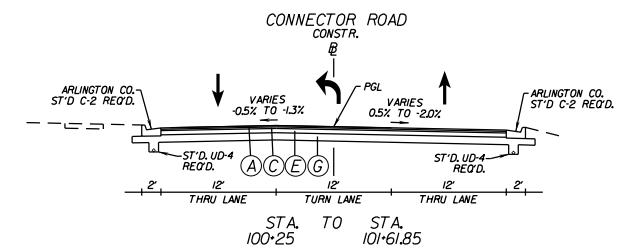
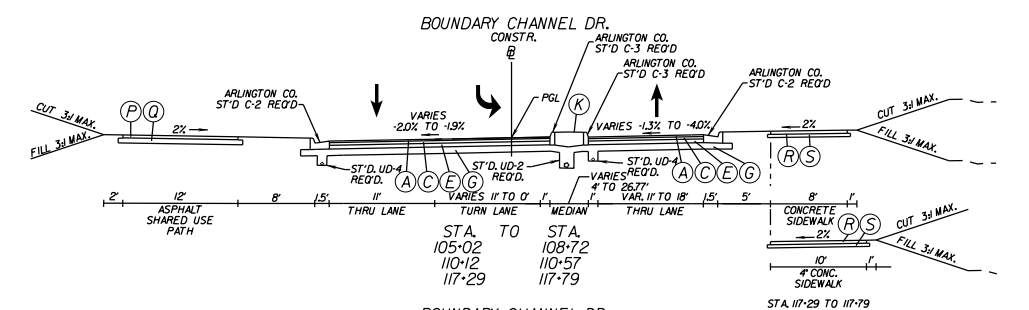
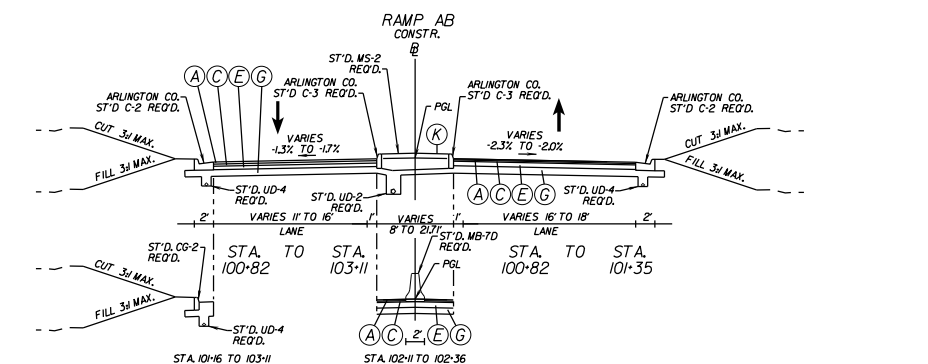
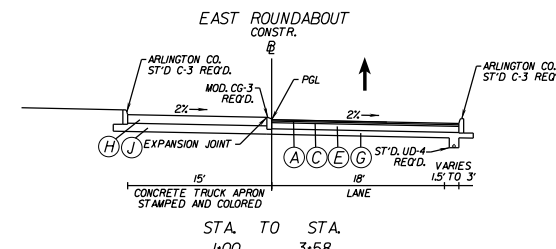
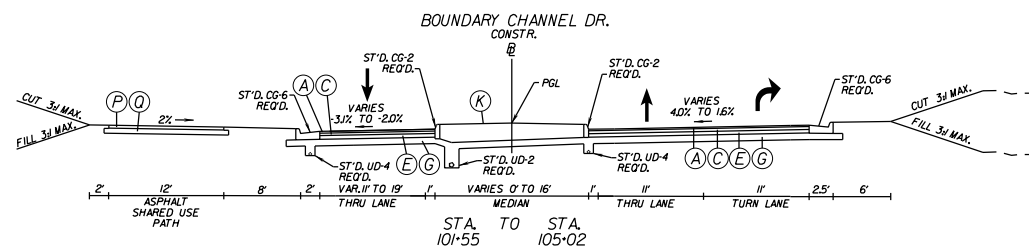
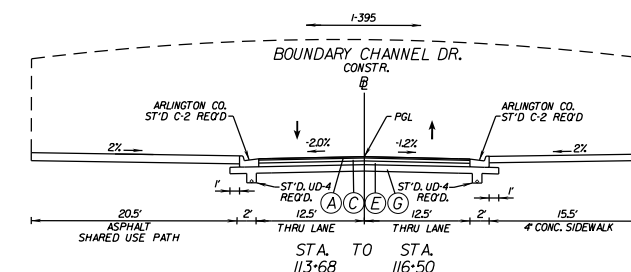
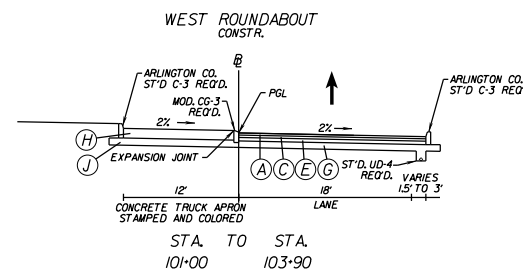
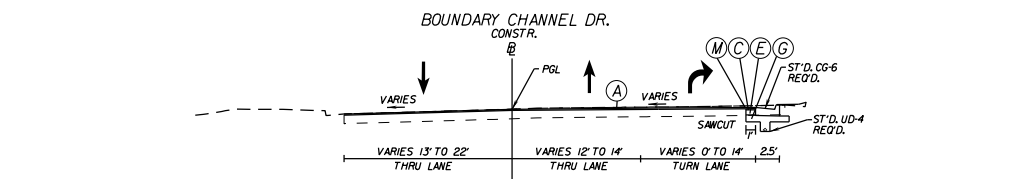




# TYPICAL SECTIONS

STATE	ROUTE	STATE PROJECT	SHEET NO.
VA.	6587	6587-000-R89 P101, R201, C501	2

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



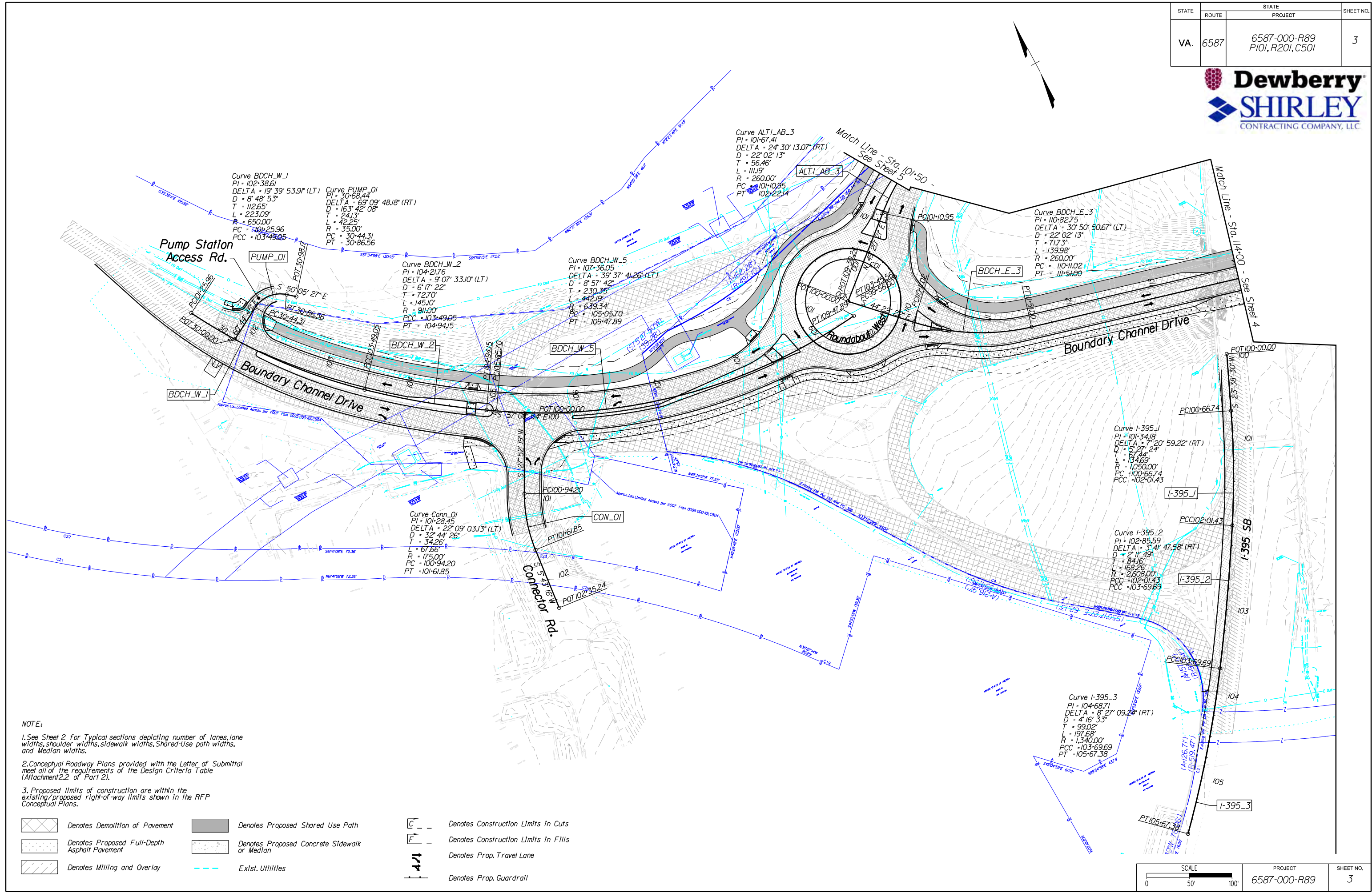
## LEGEND

- (A) 2" Surface Course, Asphalt Concrete, Type SM-9D Req'd.
- (B) 2" Surface Course, 2" Asphalt Concrete, Type SM-12.5E Req'd.
- (C) 2" Intermediate Course, 2" Asphalt Concrete, Type IM-19.0A Req'd.
- (D) 2" Intermediate Course, 2" Asphalt Concrete, Type IM-19.0D Req'd.
- (E) 6" Base Course, 6" Asphalt Concrete, Type BM-25.0A Req'd.
- (F) 11" Base Course, 11" Asphalt Concrete, Type BM-25.0A Req'd.
- (G) 10" Aggr. Base Material, Type I, No. 21B Req'd.
- (H) 10" Plain Jointed Hydraulic Cement Concrete Req'd.
- (J) 14" Aggr. Base Material, Type I, No. 21B Req'd.
- (K) Conc. Raised Median, S'D, MS-1 Req'd.
- (L) Mill Exst. Pavement, 2"
- (M) Full Depth Sawcut
- (P) 2" Surface Course, 2" Asphalt Concrete, Type SM-9.5A Req'd.
- (Q) 6" Aggr. Base Material, Type I, No. 21B Req'd.
- (R) 4" Hydraulic Cement Concrete, Class A3
- (S) 4" Aggr. Base Material, Type I Req'd. (Extended 4' Beyond Edge of Surface Material)

NOTE:  
1. Arrows Shown Above Roadway Typical Sections Indicate Number of Lanes and Direction of Traffic.

PROJECT	SHEET NO.
6587-000-R89	2

STATE	ROUTE	STATE PROJECT	SHEET NO.
VA.	6587	6587-000-R89 P101, R201, C501	3



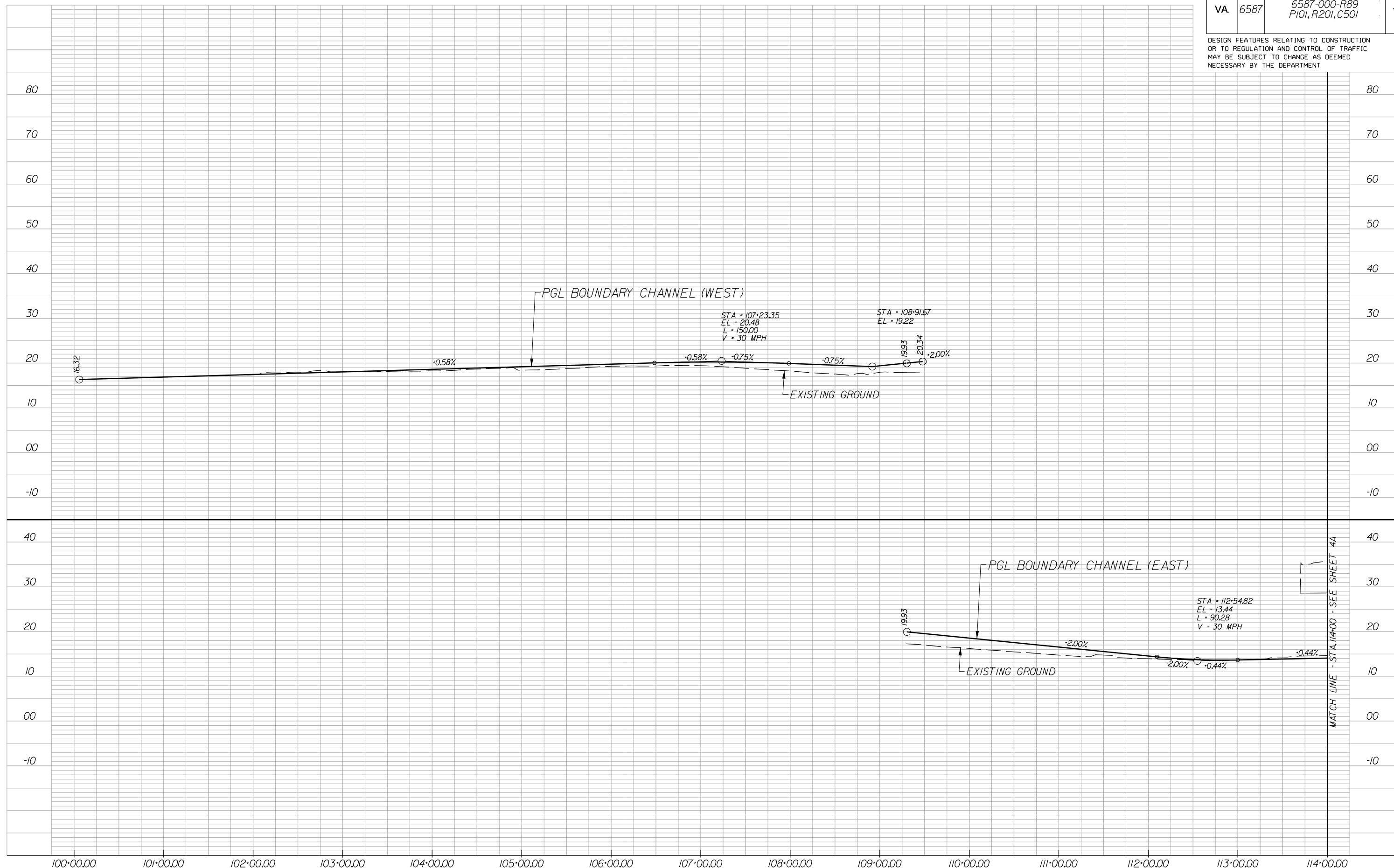
**NOTE:**

1. See Sheet 2 for Typical sections depicting number of lanes, lane widths, shoulder widths, sidewalk widths, Shared-Use path widths, and Median widths.
2. Conceptual Roadway Plans provided with the Letter of Submittal meet all of the requirements of the Design Criteria Table (Attachment 2.2 of Part 2).
3. Proposed limits of construction are within the existing/proposed right-of-way limits shown in the RFP Conceptual Plans.

- Denotes Demolition of Pavement
- Denotes Proposed Shared Use Path
- Denotes Proposed Full-Depth Asphalt Pavement
- Denotes Proposed Concrete Sidewalk or Median
- Denotes Milling and Overlay
- Exist. Utilities
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills
- Denotes Prop. Travel Lane
- Denotes Prop. Guardrail

STATE	STATE PROJECT		SHEET NO.
	ROUTE	PROJECT	
VA.	6587	6587-000-R89 P101, R201, C501	3A

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



# BOUNDARY CHANNEL DRIVE

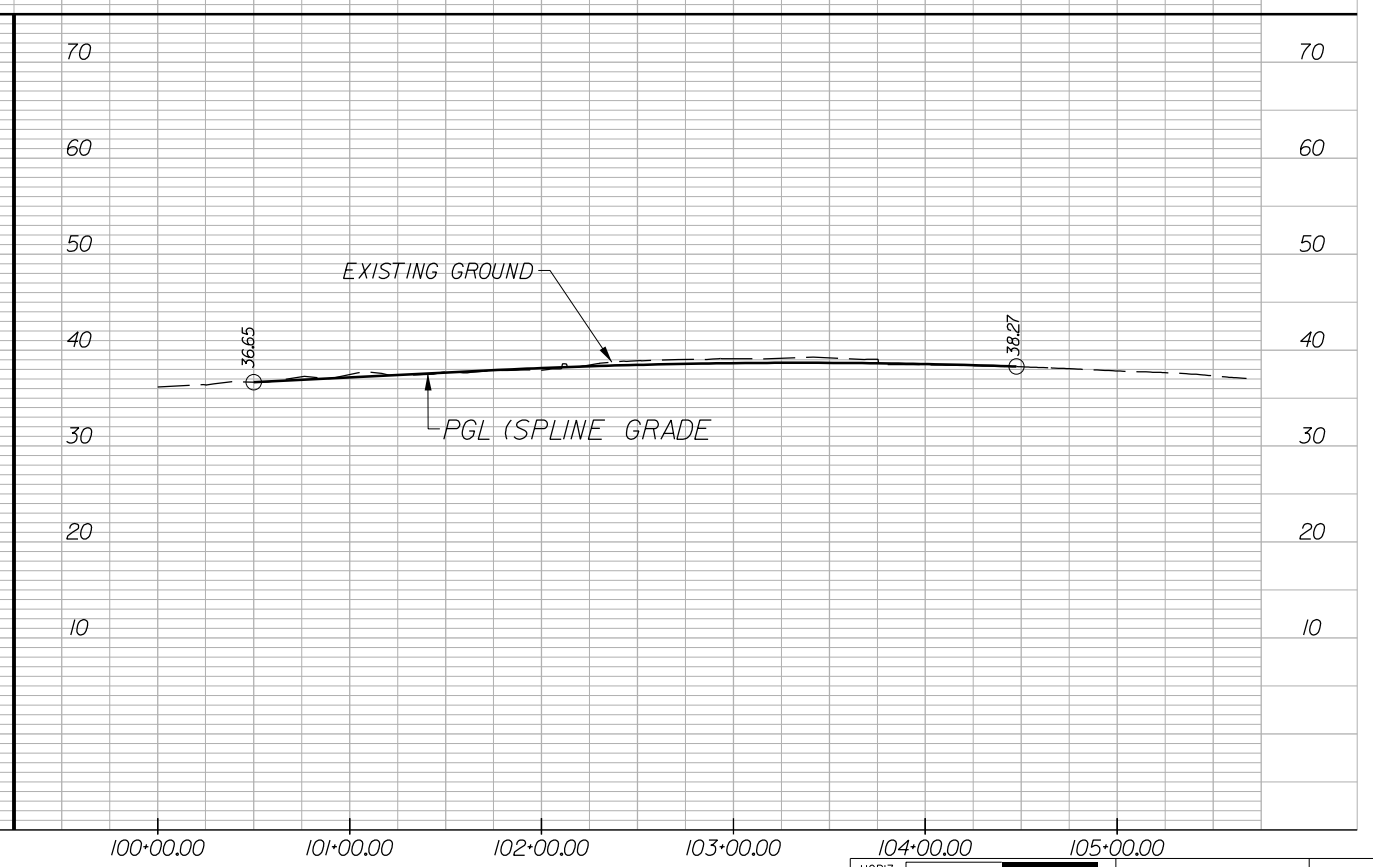
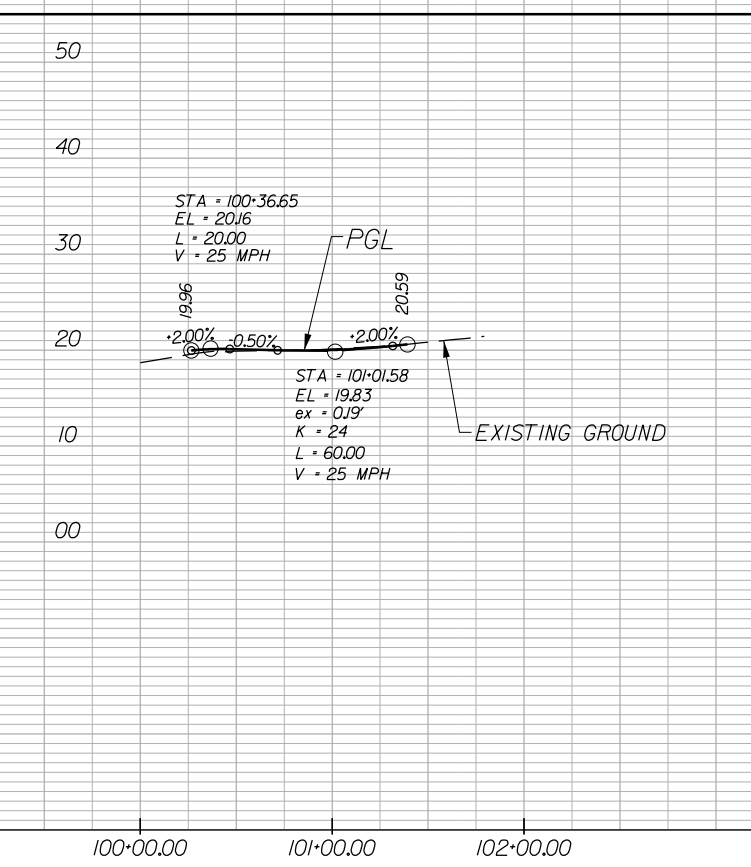
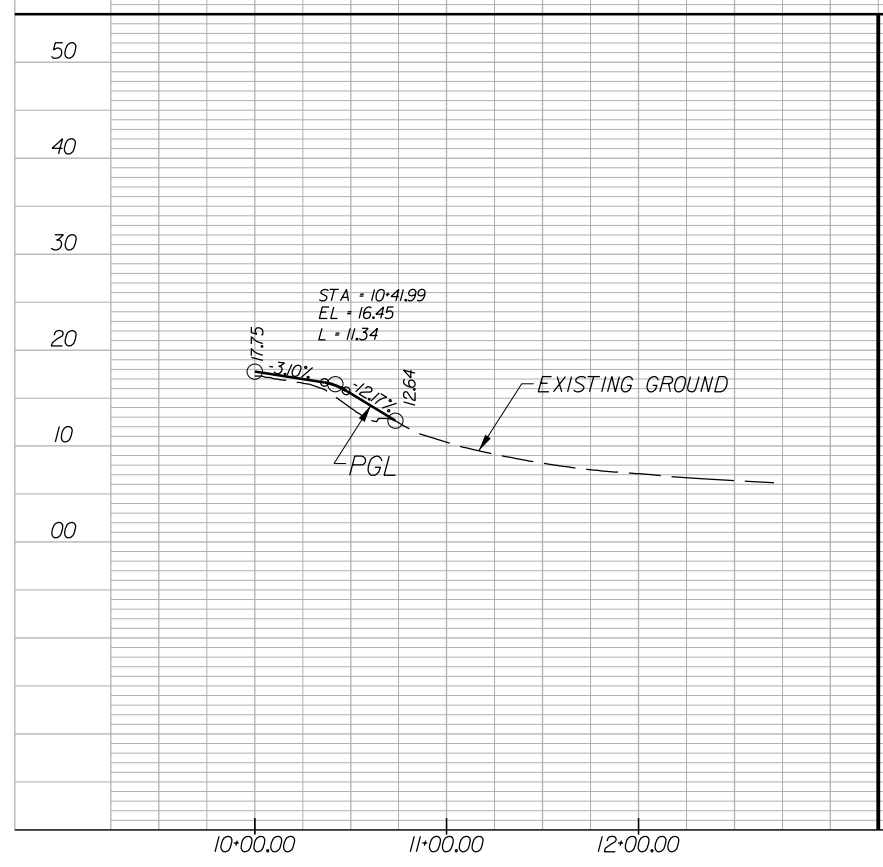
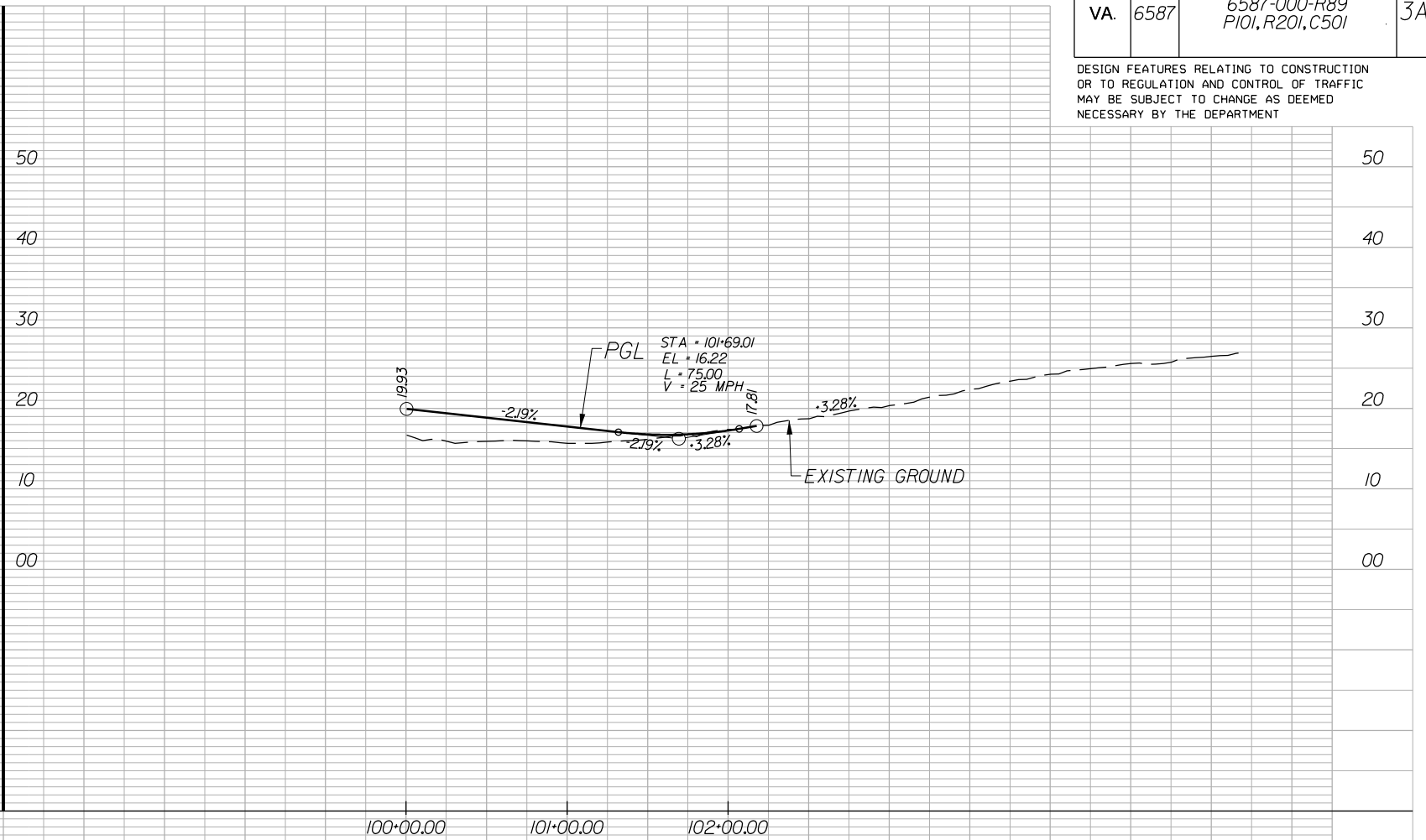
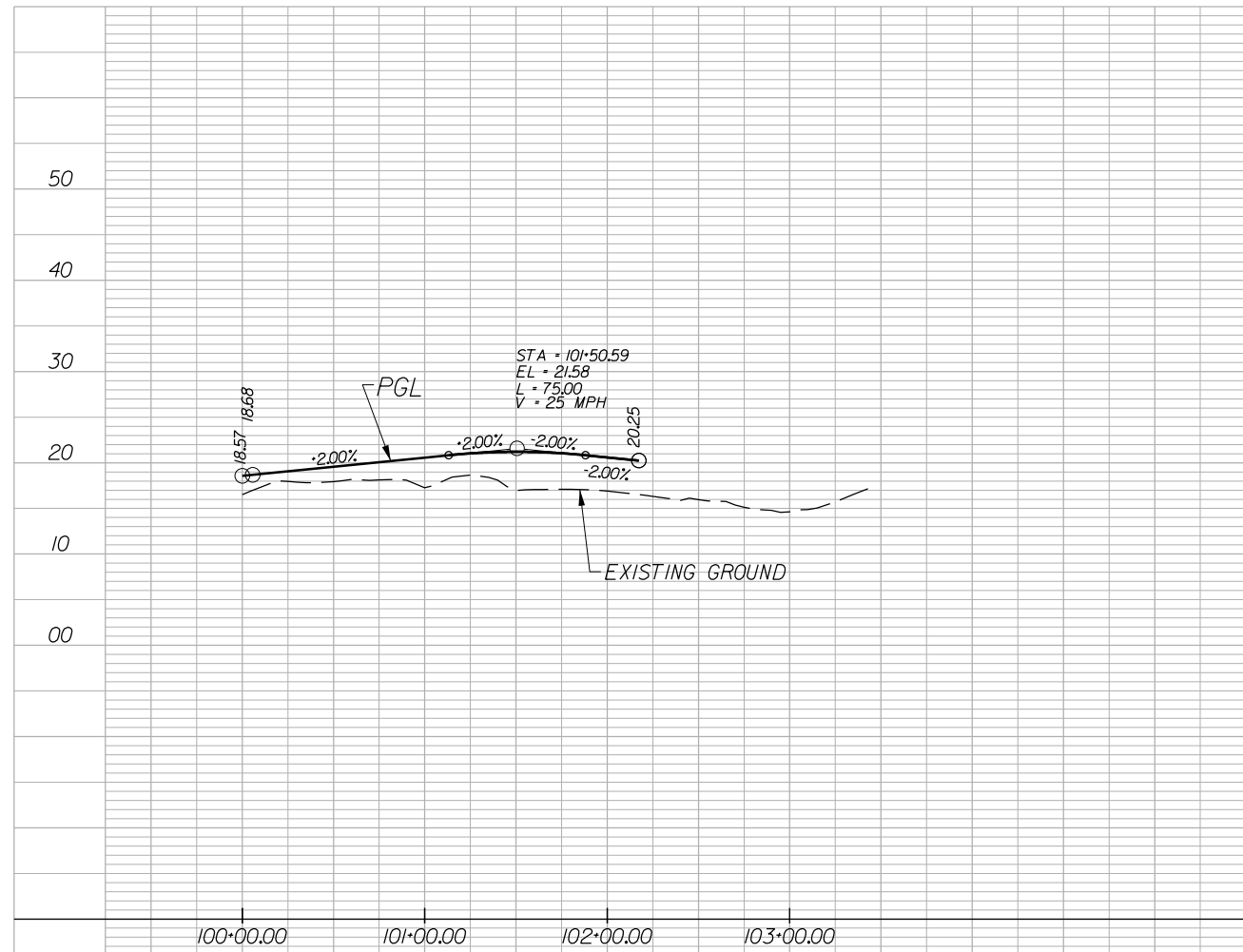
HORIZ. SCALE: 1" = 50'	PROJECT: 6587-000-R89	SHEET NO.: 3A
VERT. SCALE: 1" = 20'		

# ROUNDAABOUT WEST

# RAMP A & B

STATE	ROUTE	STATE	SHEET NO.
		PROJECT	
VA.	6587	6587-000-R89 P101, R201, C501	3A(1)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



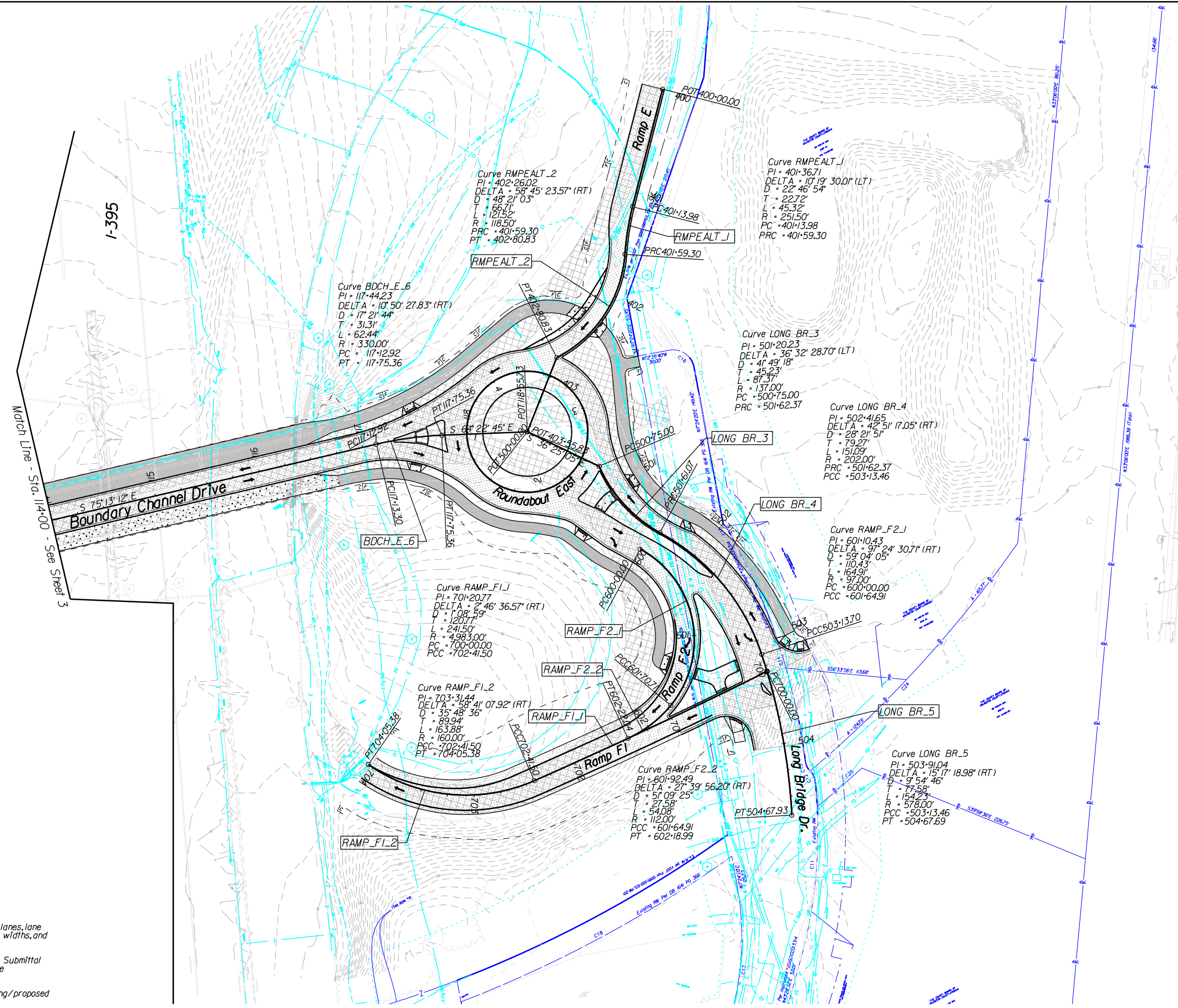
# PUMP STATION ACCESS ROAD

# CONNECTOR ROAD

1-395

HORIZ. 0 50' 100'	PROJECT 6587-000-R89	SHEET NO. 3A(1)
VERT. 0 10' 20'		

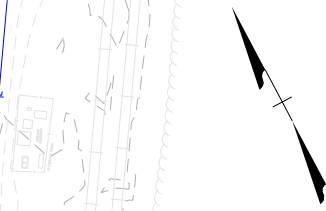
STATE	ROUTE	STATE PROJECT	SHEET NO.
VA.	6587	6587-000-R89 P101, R201, C501	4



**NOTE:**

- See Sheet 2 for Typical sections depicting number of lanes, lane widths, shoulder widths, sidewalk widths, Shared-Use path widths, and Median widths.
- Conceptual Roadway Plans provided with the Letter of Submittal meet all of the requirements of the Design Criteria Table (Attachment 2.2 of Part 2).
- Proposed limits of construction are within the existing/proposed right-of-way limits shown in the RFP Conceptual Plans.

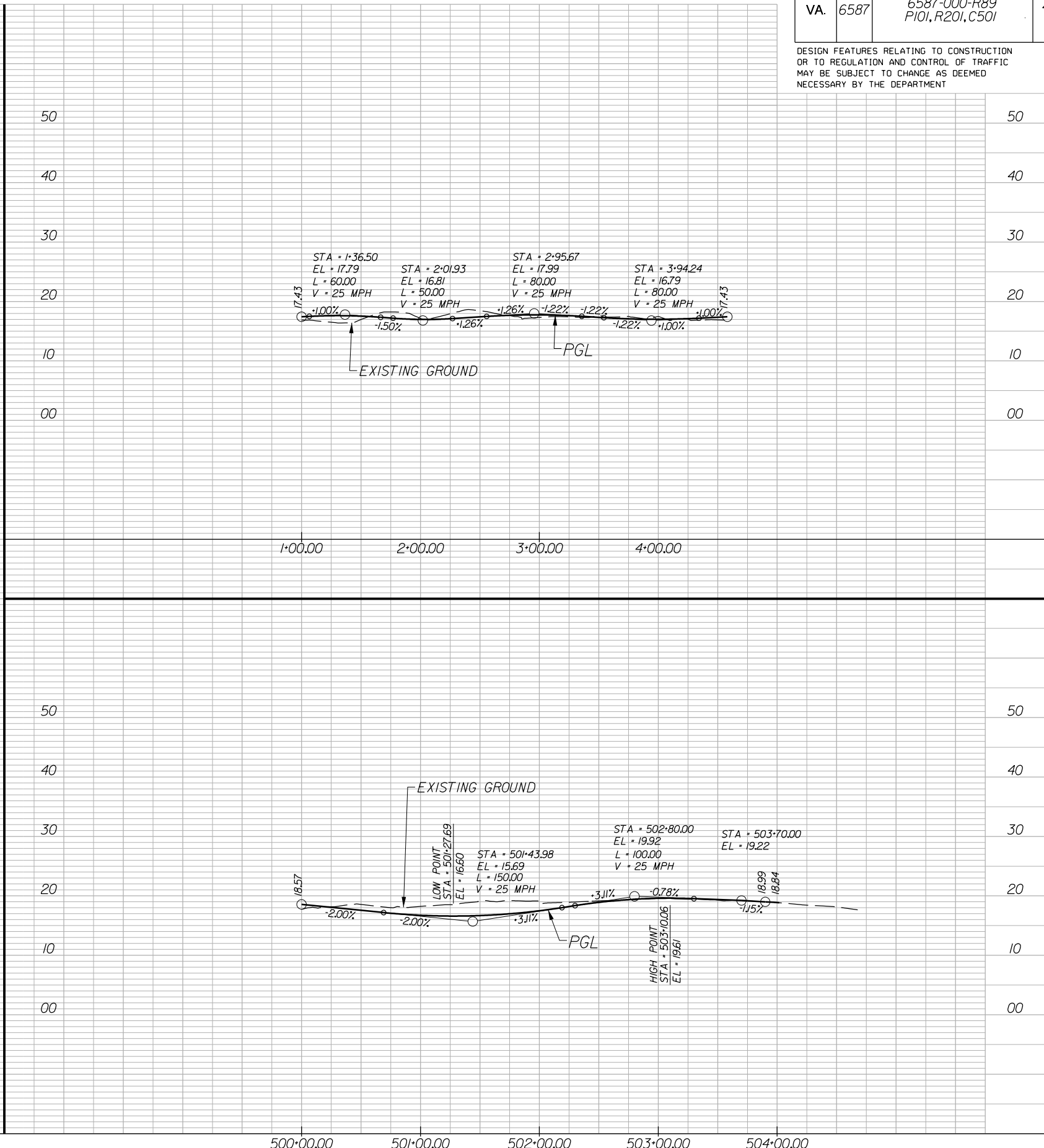
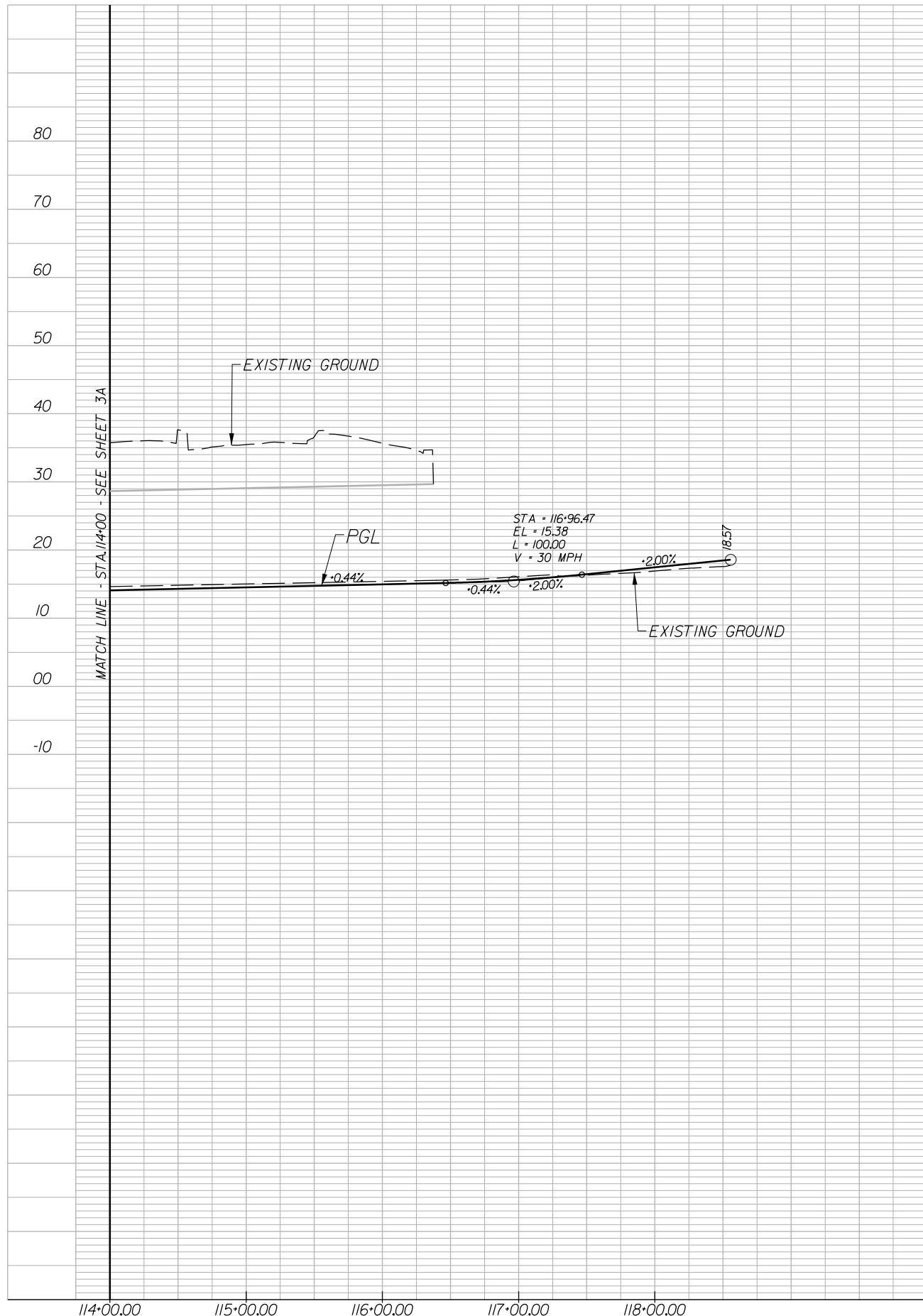
- Denotes Demolition of Pavement
- Denotes Proposed Shared Use Path
- Denotes Proposed Full-Depth Asphalt Pavement
- Denotes Proposed Concrete Sidewalk or Median
- Denotes Milling and Overlay
- Exist. Utilities
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills
- Denotes Prop. Travel Lane
- Denotes Prop. Guardrail



# ROUNDBABOUT EAST

STATE	ROUTE	STATE	SHEET NO.
		PROJECT	
VA.	6587	6587-000-R89 P101, R201, C501	4A

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



BOUNDARY CHANNEL DRIVE

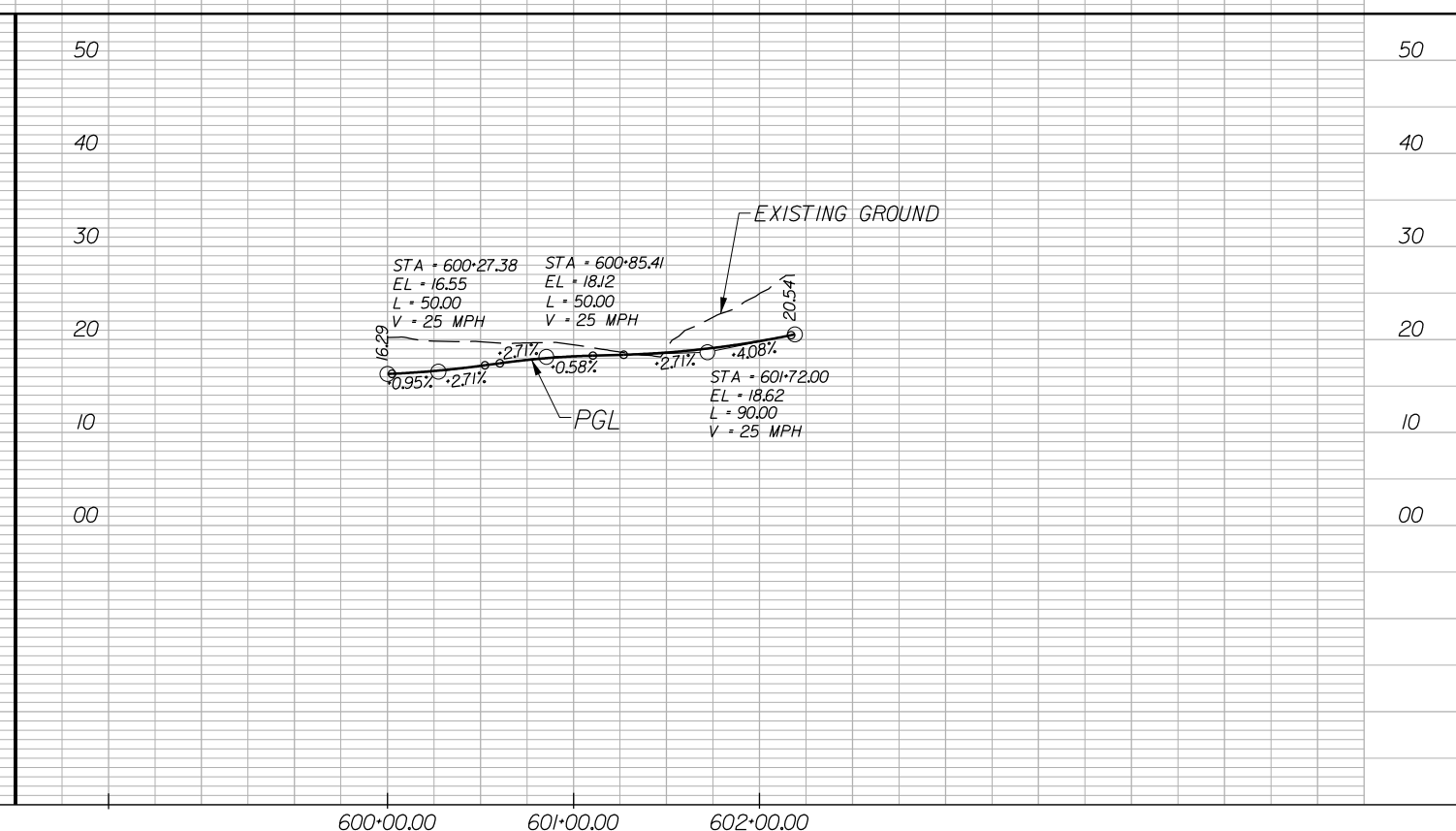
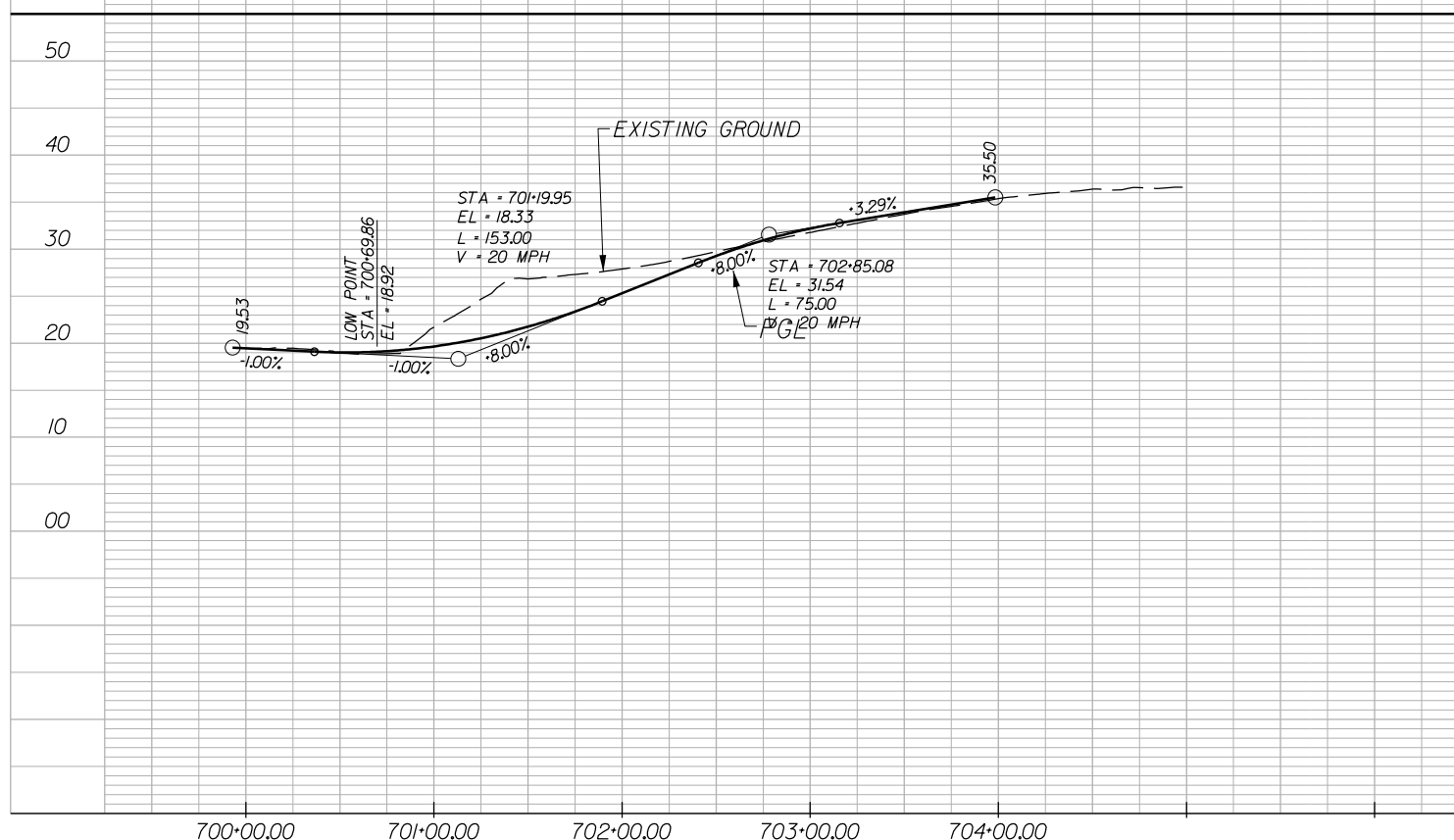
LONG BRIDGE DRIVE

HORIZ. 0 50' 100'	PROJECT 6587-000-R89	SHEET NO. 4A
VERT. 0 10' 20'		

# RAMP E

STATE	STATE PROJECT		SHEET NO.
	ROUTE	PROJECT	
VA.	6587	6587-000-R89 P101, R201, C501	4A(1)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

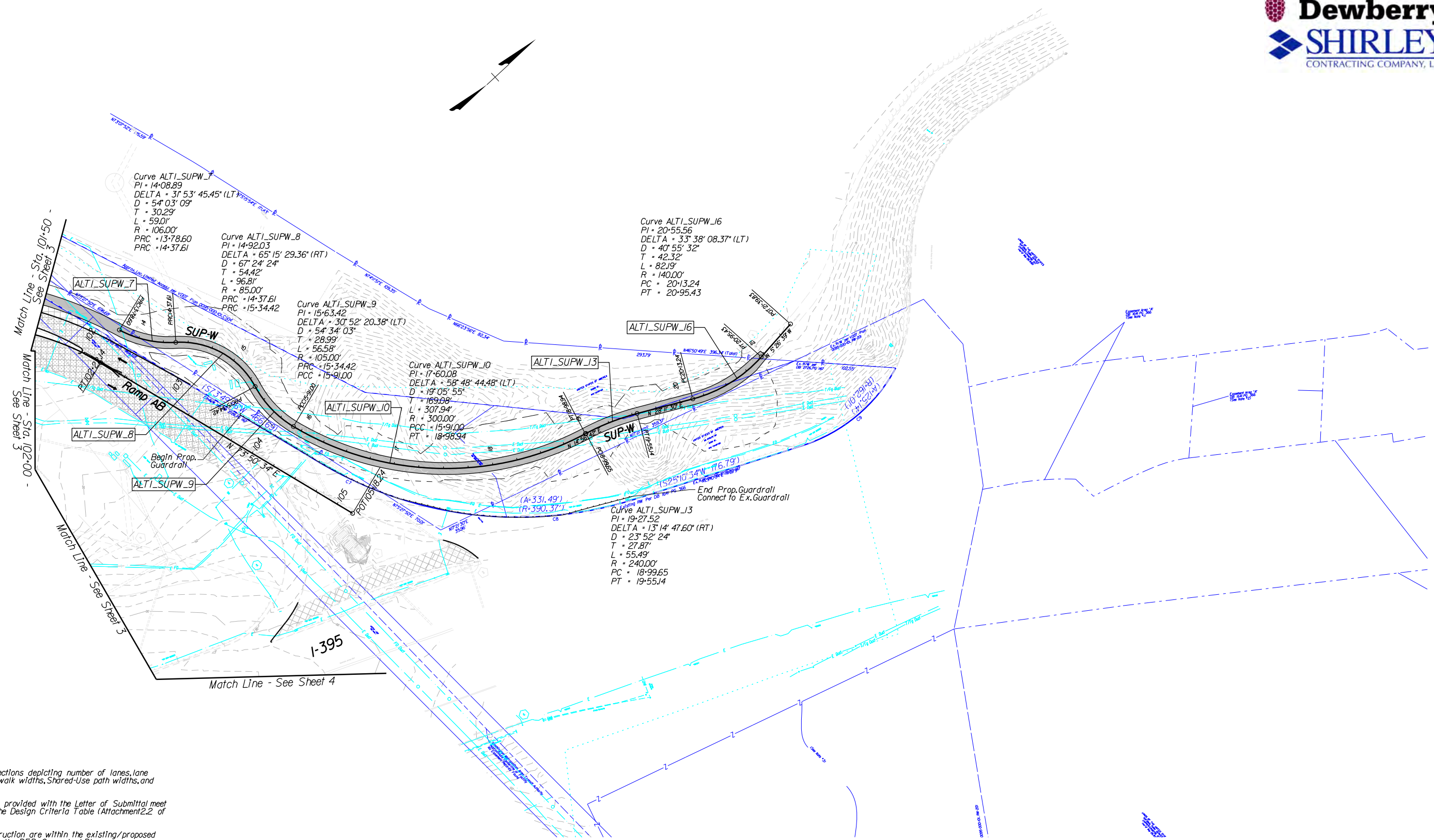


# RAMP F1

# RAMP F2

HORIZ. 0 50' 100'	PROJECT 6587-000-R89	SHEET NO. 4A(1)
VERT. 0 10' 20'		

STATE	ROUTE	STATE	SHEET NO.
		PROJECT	
VA.	6587	6587-000-R89 P101, R201, C501	5



NOTE:

- See Sheet 2 for Typical sections depicting number of lanes, lane widths, shoulder widths, sidewalk widths, Shared-Use path widths, and Median widths.
- Conceptual Roadway Plans provided with the Letter of Submittal meet all of the requirements of the Design Criteria Table (Attachment 2.2 of Part 2).
- Proposed limits of construction are within the existing/proposed right-of-way limits shown in the RFP Conceptual Plans.

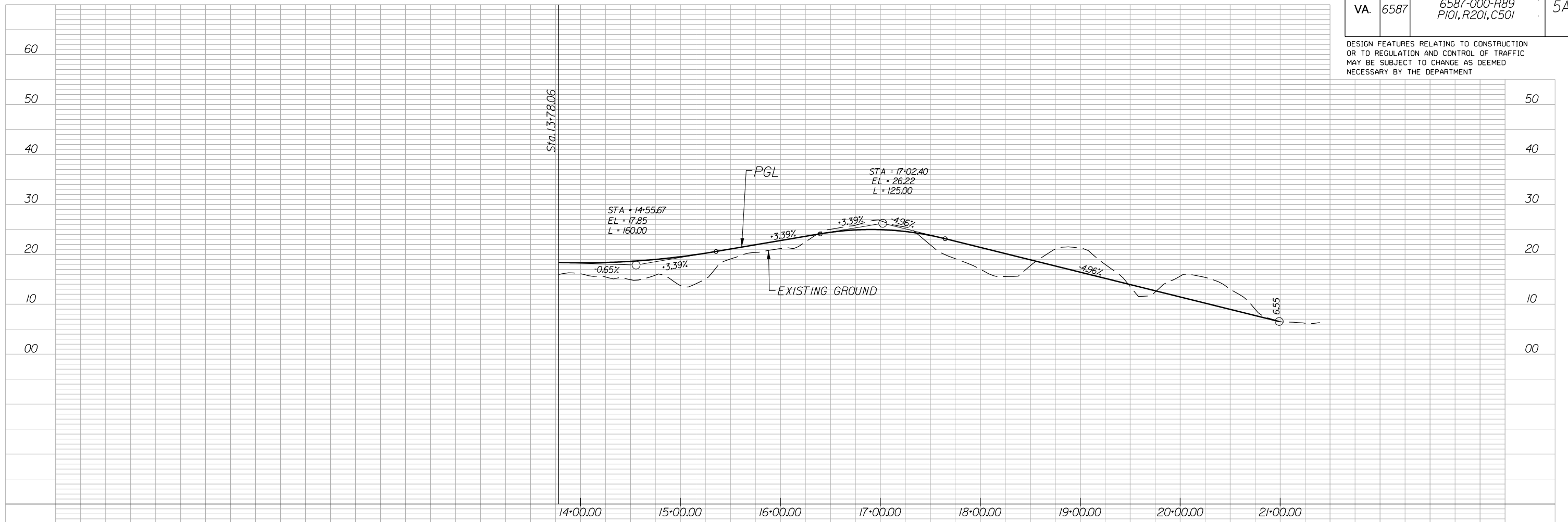
Denotes Demolition of Pavement	Denotes Proposed Shared Use Path	Denotes Construction Limits in Cuts
Denotes Proposed Full-Depth Asphalt Pavement	Denotes Proposed Concrete Sidewalk or Median	Denotes Construction Limits in Fills
Denotes Milling and Overlay	Exist. Utilities	Denotes Prop. Travel Lane
		Denotes Prop. Guardrail



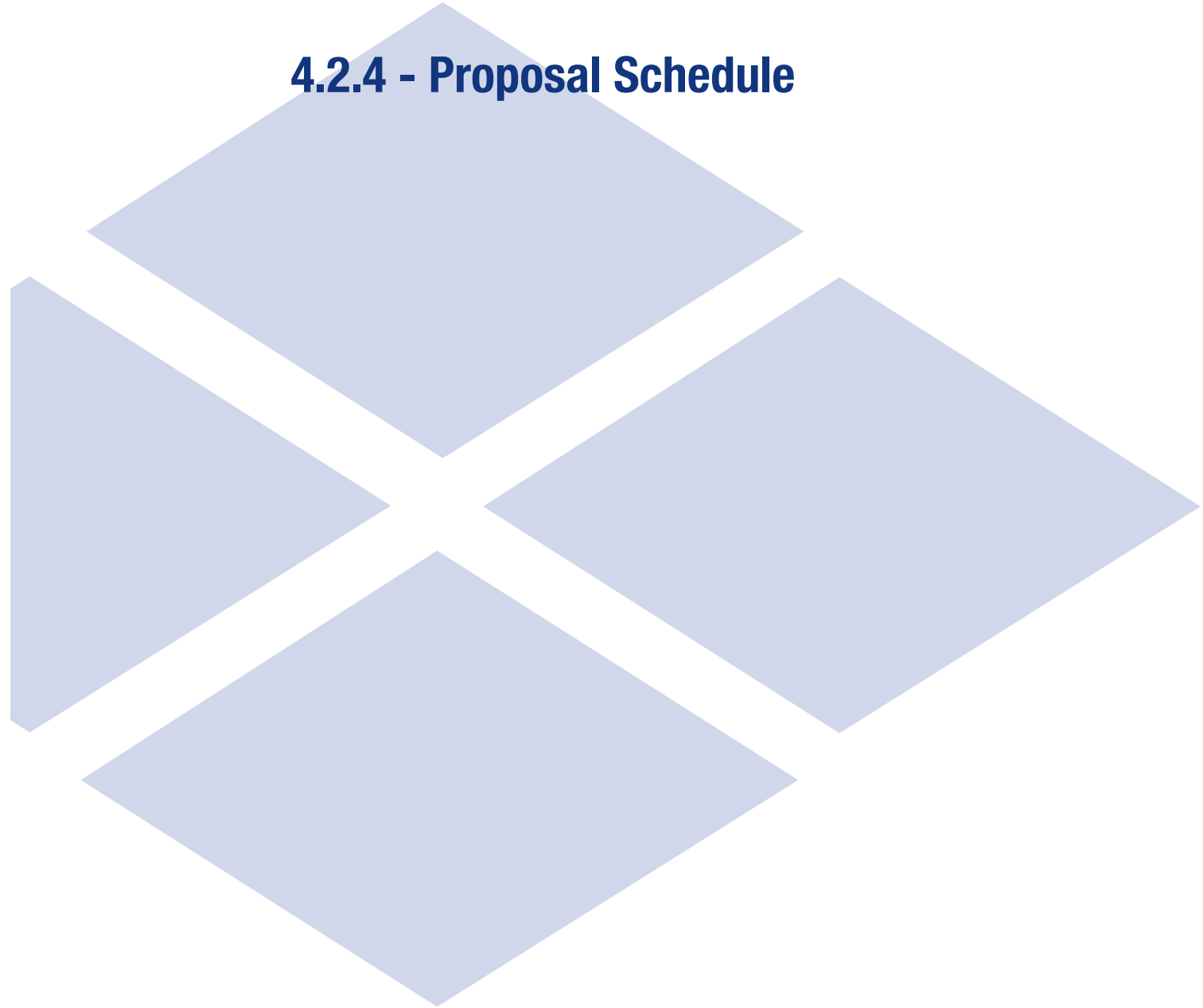
# SHARED USE PATH SUP-W

STATE	ROUTE	STATE	SHEET NO.
		PROJECT	
VA.	6587	6587-000-R89 P101, R201, C501	5A

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



## 4.2.4 - Proposal Schedule





Activity ID	Activity Name	Original Duration	Start	Finish	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																							
					[Gantt Chart Area with monthly grid]																							
BE1040	PREPARE/SUBMIT UTILITY RELOCATION PLANS - FINAL	15	19-Jan-22	02-Feb-22	[Gantt bar: 19-Jan-22 to 02-Feb-22]																							
BE1060	UTILITY REVIEW/APPROVE RELOCATION PLANS - FINAL	21	03-Feb-22	23-Feb-22	[Gantt bar: 03-Feb-22 to 23-Feb-22]																							
<b>PUBLIC OUTREACH</b>		<b>737</b>	<b>16-Jul-21</b>	<b>22-Jul-23</b>	<p><b>PUBLIC OUTREACH</b> (22-Jul-23 to 22-Jul-23)</p> <p>PROVIDE EMERGENCY CONTACT LIST (16-Jul-21 to 16-Jul-21)</p> <p>PROVIDE LIST OF AFFECTED STAKEHOLDERS (16-Jul-21 to 16-Jul-21)</p> <p>CITIZEN INFORMATION MEETING (17-Jan-22 to 21-Jan-22)</p> <p>PRECONSTRUCTION PUBLIC INFORMATION MEETING (22-Jan-22 to 31-Jan-22)</p> <p>HOLD "PARDON OUR DUST" MEETINGS (18-Jun-22 to 22-Jul-23)</p>																							
<b>PERMITTING</b>		<b>571</b>	<b>16-Jul-21</b>	<b>22-Sep-23</b>	<p><b>PERMITTING</b> (22-Sep-23 to 22-Sep-23)</p> <p>BEGIN PERMITTING (15-Oct-21)</p> <p>PERMITTING COMPLETE (10-Jun-22)</p> <p>CONSTRUCTION NOTIFICATION TO AGENCIES (HOLD POINT) (10-Jun-22)</p> <p>TERMINATION OF CONSTRUCTION NOTIFICATION (22-Sep-23)</p> <p>PREPARE AND SUBMIT RPA PERMIT (ARLINGTON COUNTY) (27-Dec-21 to 03-Jan-22)</p> <p>RPA PERMIT APPROVED (04-Jan-22 to 04-Mar-22)</p> <p>PREPARE AND SUBMIT FORM RM-53 (ARLINGTON COUNTY/NPS) (27-Dec-21 to 03-Jan-22)</p> <p>FORM RM-53 APPROVED (04-Jan-22 to 03-May-22)</p> <p>PREPARE AND SUBMIT TREE INVENTORY (ARLINGTON COUNTY/DOD NCIC) (04-May-22 to 10-May-22)</p> <p>TREE INVENTORY APPROVED (11-May-22 to 09-Jun-22)</p> <p>PREPARE AND SUBMIT RIGHT-OF-ENTRY DOD (NCPC) - DESIGN (16-Jul-21 to 16-Jul-21)</p> <p>RIGHT-OF-ENTRY APPROVED - DESIGN (17-Jul-21 to 15-Aug-21)</p> <p>PREPARE AND SUBMIT RIGHT-OF-ENTRY DOD (NCPC) - CONSTRUCTION (19-Jul-21 to 23-Jul-21)</p> <p>RIGHT-OF-ENTRY APPROVED - CONSTRUCTION (26-Jul-21 to 30-Jul-21)</p> <p>PREPARE AND SUBMIT WMATA CONSTRUCTION ACCESS PERMIT (08-Nov-21 to 12-Nov-21)</p> <p>WMATA CONSTRUCTION ACCESS PERMIT APPROVED (13-Nov-21 to 12-Mar-22)</p> <p>PREPARE AND SUBMIT FAA FORM 7460-1 (27-Dec-21 to 03-Jan-22)</p> <p>FORM 7460-1 APPROVED (04-Jan-22 to 02-Feb-22)</p> <p>PREPARE AND SUBMIT EQ201 FORM (18-Oct-21 to 22-Oct-21)</p> <p>VDOT REVIEW AND APPROVE EQ201 (23-Oct-21 to 12-Nov-21)</p> <p>PREPARE AND SUBMIT EQ103 AND EQ200 FORMS (28-Feb-22 to 04-Mar-22)</p> <p>VDOT REVIEW AND APPROVE EQ103 AND EQ200 (05-Mar-22 to 25-Mar-22)</p> <p>T&amp;E SPECIES IDENTIFICATION AND IMPACTS COORDINATION (16-Jul-21 to 24-Aug-21)</p> <p>PREPARE AND SUBMIT T&amp;E SPECIES DOCUMENTATION WITH AHJS (25-Aug-21 to 22-Sep-21)</p> <p>CONDUCT BAT INVENTORY (10-Sep-21 to 20-Sep-21)</p> <p>SUBMIT BAT INVENTORY FOR VDOT REVIEW (IF APPLICABLE) (21-Sep-21 to 22-Sep-21)</p> <p>VDOT REVIEW AND APPROVE BAT INVENTORY FINDINGS (IF APPLICABLE) (23-Sep-21 to 24-Sep-21)</p> <p>PHASE 1 ENVIRONMENTAL SITE ASSESSMENTS (10-Sep-21 to 07-Oct-21)</p> <p>PREPARE/SUBMIT PHASE 1 ESA REPORTS (08-Oct-21 to 18-Nov-21)</p> <p>VDOT REVIEW PHASE 1 ESA (19-Nov-21 to 16-Dec-21)</p> <p>VDOT APPROVE PHASE 1 ESA (HOLD POINT) (16-Dec-21)</p> <p>SUBMIT VPDES PERMIT (60% PLANS) (27-Dec-21 to 10-Jan-22)</p> <p>REQUEST PERMIT COVERAGE (APPLICATION COMPLETE - HOLD POINT) (11-Jan-22)</p> <p>AGENCY REVIEW OF VPDES/SWPPP (11-Jan-22 to 10-Apr-22)</p> <p>COMPLETE SWPPP CERTIFICATIONS (11-Apr-22 to 15-Apr-22)</p> <p>APPROVED VPDES PERMIT APPLICATION AND SWPPP PROJECT WIDE (15-Apr-22)</p>																							
<b>RIGHT OF WAY ACQUISITION/EASEMENTS</b>		<b>166</b>	<b>27-Dec-21</b>	<b>15-Aug-22</b>	<p><b>RIGHT OF WAY ACQUISITION/EASEMENTS</b> (15-Aug-22 to 15-Aug-22)</p>																							

█ Actual Work
 █ Critical Remaining Work
 █ Remaining Work
 ▼ Summary
 ◆ Milestone



Activity ID	Activity Name	Original Duration	Start	Finish	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
<b>ARLINGTON COUNTY AND DoD</b>		166	27-Dec-21	15-Aug-22	15-Aug-22, ARLINGTON COUNTY AND DoD																																															
ROW10000	PREPARE ROW PLATS 60% SUBMISSION	20	27-Dec-21	24-Jan-22	■ PREPARE ROW PLATS 60% SUBMISSION																																															
ROW10100	REVIEW/COMMENT ROW PLATS	28	25-Jan-22	21-Feb-22	■ REVIEW/COMMENT ROW PLATS																																															
ROW10200	COMMENT RESPNSES/PLAT CHANGES	10	22-Feb-22	07-Mar-22	■ COMMENT RESPNSES/PLAT CHANGES																																															
ROW10300	REVIEW 2ND SUBMISSION ROW PLATS	28	08-Mar-22	04-Apr-22	■ REVIEW 2ND SUBMISSION ROW PLATS																																															
ROW10400	COMMENT RESPONSE TO 2ND SUBMISSION/PLAT CHANGES	5	05-Apr-22	11-Apr-22	■ COMMENT RESPONSE TO 2ND SUBMISSION/PLAT CHANGES																																															
ROW10500	REVIEW 3RD SUBMISSION ROW PLATS	28	12-Apr-22	09-May-22	■ REVIEW 3RD SUBMISSION ROW PLATS																																															
ROW10600	ROW PLATS APPROVED	0		09-May-22	◆ ROW PLATS APPROVED																																															
ROW20100	COMPLETE 60 YEAR TITLE EXAM	45	27-Dec-21	25-Feb-22	■ COMPLETE 60 YEAR TITLE EXAM																																															
ROW20200	COMPLETE APPRAISALS	60	27-Dec-21	18-Mar-22	■ COMPLETE APPRAISALS																																															
ROW20300	REVIEW APPRAISER COMPLETES REVIEW	10	21-Mar-22	01-Apr-22	■ REVIEW APPRAISER COMPLETES REVIEW																																															
ROW20400	SUBMIT APPRAISALS TO VDOT (RUMS)	1	04-Apr-22	04-Apr-22	■ SUBMIT APPRAISALS TO VDOT (RUMS)																																															
ROW20500	VDOT APPRAISAL APPROVAL	5	05-Apr-22	09-Apr-22	■ VDOT APPRAISAL APPROVAL																																															
ROW20600	PREPARE ARLINGTON COUNTY OFFER PACKAGE/ROE	10	21-Mar-22	01-Apr-22	■ PREPARE ARLINGTON COUNTY OFFER PACKAGE/ROE																																															
BA1080	ARLINGTON COUNTY REVIEW/APPROVAL	90	11-Apr-22	15-Aug-22	■ ARLINGTON COUNTY REVIEW/APPROVAL																																															
ROW20800	PREPARE UNITED STATES OF AMERICA OFFER PACKAGE/ROE	10	21-Mar-22	01-Apr-22	■ PREPARE UNITED STATES OF AMERICA OFFER PACKAGE/ROE																																															
ROW20900	UNITED STATES OF AMERICA REVIEW AND APPROVAL	20	04-Apr-22	29-Apr-22	■ UNITED STATES OF AMERICA REVIEW AND APPROVAL																																															
ROW21000	PREPARE/FINALIZE PLATS (IF REQUIRED)	5	04-Apr-22	08-Apr-22	■ PREPARE/FINALIZE PLATS (IF REQUIRED)																																															
ROW21100	SUBMIT COMPLETED PACKAGES TO VDOT	0		29-Apr-22	◆ SUBMIT COMPLETED PACKAGES TO VDOT																																															
<b>UTILITY RELOCATIONS</b>		165	29-Nov-21	15-Jul-22	15-Jul-22, UTILITY RELOCATIONS																																															
<b>JONES COMMUNICATIONS (JUC)</b>		76	29-Nov-21	04-Apr-22	04-Apr-22, JONES COMMUNICATIONS (JUC)																																															
FA10000	HOLD UFI MEETING WITH UTILITY OWNER	1	29-Nov-21	29-Nov-21	■ HOLD UFI MEETING WITH UTILITY OWNER																																															
FA10100	UTILITY OWNER SUBMITS PE ESTIMATE	20	30-Nov-21	03-Jan-22	■ UTILITY OWNER SUBMITS PE ESTIMATE																																															
FA10200	REVIEW/APPROVE PE ESTIMATE	5	04-Jan-22	11-Jan-22	■ REVIEW/APPROVE PE ESTIMATE																																															
FA10300	UTILITY OWNER COMPLETES UTILITY DESIGN	0		11-Jan-22	◆ UTILITY OWNER COMPLETES UTILITY DESIGN																																															
FA10400	APPROVE UTILITY DESIGN	5	24-Feb-22	03-Mar-22	■ APPROVE UTILITY DESIGN																																															
FA10600	RELOCATE BCD STA. 106+40, 25' LT STAGE 2A WEST (STORM)	4	04-Mar-22	10-Mar-22	■ RELOCATE BCD STA. 106+40, 25' LT STAGE 2A WEST (STORM)																																															
FA10700	RELOCATE BCD STA. 107+75, 29' LT STAGE 2A WEST (STORM)	2	11-Mar-22	14-Mar-22	■ RELOCATE BCD STA. 107+75, 29' LT STAGE 2A WEST (STORM)																																															
FA10800	RELOCATE BCD STA. 108+20, 23' LT STAGE 2A WEST (STORM)	2	15-Mar-22	16-Mar-22	■ RELOCATE BCD STA. 108+20, 23' LT STAGE 2A WEST (STORM)																																															
FA10900	RELOCATE BCD STA. 108+25, 10' LT STAGE 2A WEST (STORM)	3	17-Mar-22	21-Mar-22	■ RELOCATE BCD STA. 108+25, 10' LT STAGE 2A WEST (STORM)																																															
FA11000	RELOCATE BCD STA. 108+50, 50' LT STAGE 2A WEST (STORM)	2	22-Mar-22	23-Mar-22	■ RELOCATE BCD STA. 108+50, 50' LT STAGE 2A WEST (STORM)																																															
FA11100	RELOCATE BCD STA. 108+65, 72' LT STAGE 2A WEST (STORM)	2	24-Mar-22	25-Mar-22	■ RELOCATE BCD STA. 108+65, 72' LT STAGE 2A WEST (STORM)																																															
FA11300	RELOCATE BCD STA. 116+95, 40' LT STAGE BOUNDARY CHANNEL (STORM)	3	28-Mar-22	30-Mar-22	■ RELOCATE BCD STA. 116+95, 40' LT STAGE BOUNDARY CHANNEL (STORM)																																															
FA11400	RELOCATE RAMP F2 STA. 501+25, 7' LT STAGE 1 EAST (STORM)	3	31-Mar-22	04-Apr-22	■ RELOCATE RAMP F2 STA. 501+25, 7' LT STAGE 1 EAST (STORM)																																															
<b>VERIZON (VZN)</b>		144	30-Nov-21	15-Jul-22	15-Jul-22, VERIZON (VZN)																																															
FB10000	HOLD UFI MEETING WITH UTILITY OWNER	1	30-Nov-21	30-Nov-21	■ HOLD UFI MEETING WITH UTILITY OWNER																																															
FB10100	UTILITY OWNER SUBMITS PE ESTIMATE	20	02-Dec-21	04-Jan-22	■ UTILITY OWNER SUBMITS PE ESTIMATE																																															
FB10200	REVIEW/APPROVE PE ESTIMATE	5	06-Jan-22	13-Jan-22	■ REVIEW/APPROVE PE ESTIMATE																																															
FB10300	UTILITY OWNER COMPLETES UTILITY DESIGN	0		13-Jan-22	◆ UTILITY OWNER COMPLETES UTILITY DESIGN																																															
FB10400	APPROVE UTILITY DESIGN	5	24-Feb-22	03-Mar-22	■ APPROVE UTILITY DESIGN																																															
FB10600	RELOCATE RAMP AB STA. 100+80, 47' RT STAGE 1A WEST (STORM)	15	04-Mar-22	25-Mar-22	■ RELOCATE RAMP AB STA. 100+80, 47' RT STAGE 1A WEST (STORM)																																															
FB10700	RELOCATE RAMP AB STA. 101+30, 47' RT STAGE 1A WEST (STORM/DITCH)	15	28-Mar-22	15-Apr-22	■ RELOCATE RAMP AB STA. 101+30, 47' RT STAGE 1A WEST (STORM/DITCH)																																															
FB10800	RELOCATE BCD STA. 108+25, 10' LT STAGE 2A WEST (STORM)	30	18-Apr-22	02-Jun-22	■ RELOCATE BCD STA. 108+25, 10' LT STAGE 2A WEST (STORM)																																															
FB10900	RELOCATE BCD STA. 116+78, BL STAGE 2A BOUNDARY CHANNEL (STORM)	15	03-Jun-22	23-Jun-22	■ RELOCATE BCD STA. 116+78, BL STAGE 2A BOUNDARY CHANNEL (STORM)																																															
FB11000	RELOCATE BCD STA. 116+78, 23' RT STAGE 2A BOUNDARY CHANNEL (STC)	15	24-Jun-22	15-Jul-22	■ RELOCATE BCD STA. 116+78, 23' RT STAGE 2A BOUNDARY CHANNEL (STC)																																															
<b>ARLINGTON COUNTY (APW)</b>		71	02-Dec-21	10-Mar-22	10-Mar-22, ARLINGTON COUNTY (APW)																																															
FC10000	HOLD UFI MEETING WITH UTILITY OWNER	1	02-Dec-21	02-Dec-21	■ HOLD UFI MEETING WITH UTILITY OWNER																																															

Activity ID	Activity Name	Original Duration	Start	Finish	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											
					Gantt Chart Area											
FC10100	SUBMIT PROPOSED FIRE HYDRANT RELOCATION PLAN	20	03-Dec-21	06-Jan-22	[Gantt bars for FC10100]											
FC10200	APPROVE FIRE HYDRANT RELOCATION PLAN	5	07-Jan-22	14-Jan-22	[Gantt bars for FC10200]											
FC10300	SUBMIT PROPOSED CONDUIT/HANDHOLE PLAN	0		14-Jan-22	[Gantt bars for FC10300]											
FC10400	APPROVE CONDUIT/HANDHOLE PLAN	5	24-Feb-22	03-Mar-22	[Gantt bars for FC10400]											
FC10600	RELOCATE FIRE HYDRANT STA. 600+60, 4' LT STAGE 1 ARAMP F2 (ROADW)	15	17-Jan-22	08-Feb-22	[Gantt bars for FC10600]											
FC10610	INSTALL ARLINGTON COUNTY CONDUIT/HANDHOLES	5	04-Mar-22	10-Mar-22	[Gantt bars for FC10610]											
FC10700	VERIFY 16" SANITARY FORCE MAIN CLEARANCE (TEST PIT)	15	10-Feb-22	08-Mar-22	[Gantt bars for FC10700]											
<b>UNDERGROUND ELECTRIC</b>		<b>62</b>	<b>03-Dec-21</b>	<b>18-Mar-22</b>	<b>[Summary bar for UNDERGROUND ELECTRIC]</b>											
FD10000	HOLD UFI MEETING WITH UTILITY OWNER	1	03-Dec-21	03-Dec-21	[Gantt bars for FD10000]											
FD10100	UTILITY OWNER SUBMITS PE ESTIMATE	20	06-Dec-21	07-Jan-22	[Gantt bars for FD10100]											
FD10200	REVIEW/APPROVE PE ESTIMATE	5	10-Jan-22	17-Jan-22	[Gantt bars for FD10200]											
FD10300	UTILITY OWNER COMPLETES UTILITY DESIGN	0		17-Jan-22	[Gantt bars for FD10300]											
FD10400	APPROVE UTILITY DESIGN	5	24-Feb-22	03-Mar-22	[Gantt bars for FD10400]											
FD10600	RELOCATE BCD STA. 105+15, 23' LT STAGE 2A WEST (STORM)	5	04-Mar-22	11-Mar-22	[Gantt bars for FD10600]											
FD10700	RELOCATE BCD STA. 108+40, 26' RT STAGE 2A WEST (STORM)	2	14-Mar-22	15-Mar-22	[Gantt bars for FD10700]											
FD10800	RELOCATE BCD STA. 108+90, 80' RT STAGE 2A WEST (STORM)	3	16-Mar-22	18-Mar-22	[Gantt bars for FD10800]											
<b>VDOT</b>		<b>45</b>	<b>18-Jan-22</b>	<b>31-Mar-22</b>	<b>[Summary bar for VDOT]</b>											
FE10100	SUBMIT PROPOSED RELOCATION PLANS	10	18-Jan-22	01-Feb-22	[Gantt bars for FE10100]											
FE10400	APPROVE UTILITY DESIGN	10	24-Feb-22	11-Mar-22	[Gantt bars for FE10400]											
FE10600	RELOCATE BCD STA. 112+35, 15' LT STAGE 2 BOUNDARY CHANNEL (STO)	4	14-Mar-22	17-Mar-22	[Gantt bars for FE10600]											
FE10700	RELOCATE BCD STA. 112+35, 15' RT STAGE 2 BOUNDARY CHANNEL (STO)	4	18-Mar-22	23-Mar-22	[Gantt bars for FE10700]											
FE10800	RELOCATE BCD STA. 117+00, 17' LT STAGE 2 BOUNDARY CHANNEL (STO)	3	24-Mar-22	28-Mar-22	[Gantt bars for FE10800]											
FE10900	RELOCATE BCD STA. 117+00, 20' RT STAGE 2 BOUNDARY CHANNEL (STO)	3	29-Mar-22	31-Mar-22	[Gantt bars for FE10900]											
<b>CONSTRUCTION</b>		<b>437</b>	<b>21-Mar-22</b>	<b>21-Nov-23</b>	<b>[Summary bar for CONSTRUCTION]</b>											
<b>PROJECT GENERAL ITEMS</b>		<b>26</b>	<b>10-Jun-22</b>	<b>18-Jul-22</b>	<b>[Summary bar for PROJECT GENERAL ITEMS]</b>											
GA1020	MOBILIZATION FOR CONSTRUCTION	6	10-Jun-22	17-Jun-22	[Gantt bars for GA1020]											
GA1040	SETUP FIELD OFFICES & STAGING AREA	7	20-Jun-22	28-Jun-22	[Gantt bars for GA1040]											
GA1060	INITIAL SURVEY CONTROLS	10	29-Jun-22	13-Jul-22	[Gantt bars for GA1060]											
GA1080	INITIAL MOT DEVICES/CONSTRUCTION SIGNAGE	8	07-Jul-22	18-Jul-22	[Gantt bars for GA1080]											
<b>ADMINISTRATION &amp; PIM</b>		<b>23</b>	<b>21-Mar-22</b>	<b>20-Apr-22</b>	<b>[Summary bar for ADMINISTRATION &amp; PIM]</b>											
GB1000	QA/QC PREPARATORY INSPECTION MEETING - MOT	1	21-Mar-22	21-Mar-22	[Gantt bars for GB1000]											
GB1020	QA/QC PREPARATORY INSPECTION MEETING - CLEARING/E&S	1	22-Mar-22	22-Mar-22	[Gantt bars for GB1020]											
GB1040	QA/QC PREPARATORY INSPECTION MEETING - EARTHWORK	1	23-Mar-22	23-Mar-22	[Gantt bars for GB1040]											
GB1060	QA/QC PREPARATORY INSPECTION MEETING - DRAINAGE & STRUCTURE	1	24-Mar-22	24-Mar-22	[Gantt bars for GB1060]											
GB1080	QA/QC PREPARATORY INSPECTION MEETING - AGGREGATE BASE	1	25-Mar-22	25-Mar-22	[Gantt bars for GB1080]											
GB1100	QA/QC PREPARATORY INSPECTION MEETING - ASPHALT	1	28-Mar-22	28-Mar-22	[Gantt bars for GB1100]											
GB1160	QA/QC PREPARATORY INSPECTION MEETING - UNDERDRAIN	1	29-Mar-22	29-Mar-22	[Gantt bars for GB1160]											
GB1180	QA/QC PREPARATORY INSPECTION MEETING - CONCRETE FLATWORK	1	30-Mar-22	30-Mar-22	[Gantt bars for GB1180]											
GB1220	QA/QC PREPARATORY INSPECTION MEETING - GUARDRAIL	1	31-Mar-22	31-Mar-22	[Gantt bars for GB1220]											
GB1240	QA/QC PREPARATORY INSPECTION MEETING - SIGNAGE	1	01-Apr-22	01-Apr-22	[Gantt bars for GB1240]											
GB1260	QA/QC PREPARATORY INSPECTION MEETING - ITS/SIGNALS/LIGHTING	1	04-Apr-22	04-Apr-22	[Gantt bars for GB1260]											
GB1280	QA/QC PREPARATORY INSPECTION MEETING - PAVEMENT MARKING	1	05-Apr-22	05-Apr-22	[Gantt bars for GB1280]											
GB1400	PREP/SUBMIT INITIAL SUBMITTALS/SHOP DRAWINGS/C-25'S	8	21-Mar-22	30-Mar-22	[Gantt bars for GB1400]											
GB1420	REVIEW/APPROVE INITIAL SUBMITTALS/SHOP DRAWINGS/C-25'S	21	31-Mar-22	20-Apr-22	[Gantt bars for GB1420]											
<b>STAGE 1A CONSTRUCTION</b>		<b>62</b>	<b>19-Jul-22</b>	<b>12-Oct-22</b>	<b>[Summary bar for STAGE 1A CONSTRUCTION]</b>											
<b>STAGE 1A GENERAL ITEMS</b>		<b>15</b>	<b>19-Jul-22</b>	<b>08-Aug-22</b>	<b>[Summary bar for STAGE 1A GENERAL ITEMS]</b>											
G1A21000	SURVEY LAYOUT LOD/MOT DEVICES	5	19-Jul-22	25-Jul-22	[Gantt bars for G1A21000]											

■ Actual Work   
 ■ Critical Remaining Work   
 ▼ Summary  
■ Remaining Work   
 ◆ Milestone



Activity ID	Activity Name	Original Duration	Start	Finish	Gantt Chart (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)																											
					Gantt Chart (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)																											
G1A31000	CLEARAND GRUB	10	26-Jul-22	08-Aug-22	[Gantt Chart]																											
G1A32000	INSTALL EROSION CONTROLS	5	26-Jul-22	01-Aug-22	[Gantt Chart]																											
<b>STAGE 1A RAWEST</b>		<b>43</b>	<b>09-Aug-22</b>	<b>06-Oct-22</b>	[Gantt Chart]																											
G1B110000	INSTALL SIGNAGE FOR TEMPORARY U-TURN BCD/CONNECTOR ROAD	1	09-Aug-22	09-Aug-22	[Gantt Chart]																											
G1B110010	CLOSE EXISTING RAMP AB-ON	1	10-Aug-22	10-Aug-22	[Gantt Chart]																											
G1B110020	DEMOLISH PORTION OF EXISTING MEDIAN/FILL WITH ASPHALT	1	11-Aug-22	11-Aug-22	[Gantt Chart]																											
G1B110030	EXCAVATE/GRADE FOR TEMPORARY ASPHALT	2	12-Aug-22	15-Aug-22	[Gantt Chart]																											
G1B110040	PLACE TEMPORARY ASPHALT	1	16-Aug-22	16-Aug-22	[Gantt Chart]																											
G1B110050	TEMPORARY PAVEMENT MARKINGS	1	17-Aug-22	17-Aug-22	[Gantt Chart]																											
G1B110060	PLACE TEMPORARY BARRIER	1	18-Aug-22	18-Aug-22	[Gantt Chart]																											
G1B110070	SHIFT TRAFFIC BCD EAST BOUND	0		18-Aug-22	[Gantt Chart]																											
G1B110080	PAVEMENT DEMOLITION	2	19-Aug-22	22-Aug-22	[Gantt Chart]																											
GCB110090	STRIP TOPSOIL	1	19-Aug-22	19-Aug-22	[Gantt Chart]																											
GCB110100		8	23-Aug-22	01-Sep-22	[Gantt Chart]																											
GCB110300	INSTALL STORM SEWER	8	23-Aug-22	01-Sep-22	[Gantt Chart]																											
GCB110600	PREPARE SUBGRADE/FINE GRADING	4	02-Sep-22	09-Sep-22	[Gantt Chart]																											
GCB110700	PLACE AGGREGATE BASE	3	12-Sep-22	14-Sep-22	[Gantt Chart]																											
GCB110800	INSTALL UNDERDRAIN	2	15-Sep-22	16-Sep-22	[Gantt Chart]																											
GCB110900	INSTALL CURB & GUTTER	4	19-Sep-22	22-Sep-22	[Gantt Chart]																											
GCB110910	INSTALL TRUCK APRON	6	23-Sep-22	30-Sep-22	[Gantt Chart]																											
GCB110920	INSTALL MS-1/MS-2	3	23-Sep-22	27-Sep-22	[Gantt Chart]																											
GCB110930	INSTALL MB-7D BARRIER	3	28-Sep-22	30-Sep-22	[Gantt Chart]																											
GCB111000	PLACE ASPHALT PAVEMENT SECTION	3	03-Oct-22	05-Oct-22	[Gantt Chart]																											
GCB111500	SITE GRADING	4	28-Sep-22	03-Oct-22	[Gantt Chart]																											
GCB111600	STABILIZATION	1	04-Oct-22	04-Oct-22	[Gantt Chart]																											
GCB111700	INSTALL ROADWAY SIGNAGE	1	04-Oct-22	04-Oct-22	[Gantt Chart]																											
GCB111710	PAVEMENT MARKINGS	1	06-Oct-22	06-Oct-22	[Gantt Chart]																											
<b>STAGE 1A RAEAST</b>		<b>42</b>	<b>16-Aug-22</b>	<b>12-Oct-22</b>	[Gantt Chart]																											
G1C11000	EXCAVATE/GRADE FOR TEMPORARY ASPHALT	2	16-Aug-22	17-Aug-22	[Gantt Chart]																											
G1C11100	PLACE TEMPORARY ASPHALT	1	18-Aug-22	18-Aug-22	[Gantt Chart]																											
G1C11200	TEMPORARY PAVEMENT MARKINGS	1	19-Aug-22	19-Aug-22	[Gantt Chart]																											
G1C11400	SHIFT TRAFFIC BCD WEST BOUND	1	22-Aug-22	22-Aug-22	[Gantt Chart]																											
G1C11410	PAVEMENT DEMOLITION	3	23-Aug-22	25-Aug-22	[Gantt Chart]																											
G1C12100	STRIP TOPSOIL	3	23-Aug-22	25-Aug-22	[Gantt Chart]																											
G1C12200	EXCAVATION/GRADE	5	26-Aug-22	01-Sep-22	[Gantt Chart]																											
G1C12400	INSTALL STORM SEWER	6	26-Aug-22	02-Sep-22	[Gantt Chart]																											
G1C12700	PREPARE SUBGRADE/FINE GRADING	4	06-Sep-22	12-Sep-22	[Gantt Chart]																											
G1C12800	PLACE AGGREGATE BASE	3	13-Sep-22	15-Sep-22	[Gantt Chart]																											
G1C12900	INSTALL UNDERDRAIN	2	16-Sep-22	19-Sep-22	[Gantt Chart]																											
G1C13000	INSTALL CURB & GUTTER	3	20-Sep-22	22-Sep-22	[Gantt Chart]																											
G1C13010	INSTALL TRUCK APRON	4	23-Sep-22	28-Sep-22	[Gantt Chart]																											
G1C13020	INSTALL MS-1/MS-2	2	29-Sep-22	30-Sep-22	[Gantt Chart]																											
G1C13100	PLACE ASPHALT PAVEMENT SECTION	2	03-Oct-22	04-Oct-22	[Gantt Chart]																											
G1C13600	SITE GRADING	2	05-Oct-22	06-Oct-22	[Gantt Chart]																											
G1C13700	STABILIZATION	1	07-Oct-22	07-Oct-22	[Gantt Chart]																											
G1C13800	INSTALL ROADWAY SIGNAGE	1	07-Oct-22	07-Oct-22	[Gantt Chart]																											
G1C13900	PAVEMENT MARKINGS	1	07-Oct-22	07-Oct-22	[Gantt Chart]																											







Activity ID	Activity Name	Original Duration	Start	Finish	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																																															
					Gantt chart area with vertical grid lines for each month/day.																																															
G2E10100	EXCAVATION/GRADING	3	21-Oct-22	25-Oct-22	EXCAVATION/GRADING																																															
G2E10200	PREPARE SUBGRADE/FINE GRADING	2	26-Oct-22	27-Oct-22	PREPARE SUBGRADE/FINE GRADING																																															
G2E10300	PLACE AGGREGATE BASE	1	28-Oct-22	28-Oct-22	PLACE AGGREGATE BASE																																															
G2E10400	INSTALL UNDERDRAIN	1	31-Oct-22	31-Oct-22	INSTALL UNDERDRAIN																																															
G2E10500	INSTALL CURB & GUTTER	2	01-Nov-22	03-Nov-22	INSTALL CURB & GUTTER																																															
G2E10600	PLACE ASPHALT PAVEMENT SECTION	1	04-Nov-22	04-Nov-22	PLACE ASPHALT PAVEMENT SECTION																																															
G2E10700	SITE GRADING	1	07-Nov-22	07-Nov-22	SITE GRADING																																															
G2E10800	STABILIZATION	1	08-Nov-22	08-Nov-22	STABILIZATION																																															
G2E10900	INSTALL ROADWAY SIGNAGE	1	08-Nov-22	08-Nov-22	INSTALL ROADWAY SIGNAGE																																															
G2E11000	PAVEMENT MARKINGS	1	08-Nov-22	08-Nov-22	PAVEMENT MARKINGS																																															
G2E11100	SHIFT TRAFFIC	0		30-Nov-22	◆ SHIFT TRAFFIC																																															
<b>STAGE 2A CONSTRUCTION</b>		125	01-Dec-22	24-May-23	<div style="border-bottom: 1px solid black; width: 100%;"></div> 24-May-23, STAGE 2A CONSTRUCTION																																															
<b>STAGE 2A GENERAL ITEMS</b>		10	01-Dec-22	16-Dec-22	<div style="border-bottom: 1px solid black; width: 100%;"></div> 16-Dec-22, STAGE 2A GENERAL ITEMS																																															
G3A15000	SURVEY/LAYOUT/LD/MOT DEVICES	5	01-Dec-22	08-Dec-22	■ SURVEY/LAYOUT/LD/MOT DEVICES																																															
G3A15200	INSTALL EROSION CONTROLS	5	09-Dec-22	16-Dec-22	■ INSTALL EROSION CONTROLS																																															
<b>STAGE 2A BOUNDARY CHANNEL WEST</b>		67	19-Dec-22	21-Mar-23	<div style="border-bottom: 1px solid black; width: 100%;"></div> 21-Mar-23, STAGE 2A BOUNDARY CHANNEL WEST																																															
G3B10400	PAVEMENT DEMOLITION	3	19-Dec-22	21-Dec-22	PAVEMENT DEMOLITION																																															
G3B10600	EXCAVATION/GRADING	5	22-Dec-22	29-Dec-22	EXCAVATION/GRADING																																															
G3B10610	INSTALL STORM SEWER	5	30-Dec-22	05-Jan-23	INSTALL STORM SEWER																																															
G3B10800	PREPARE SUBGRADE/FINE GRADING	4	06-Jan-23	12-Jan-23	PREPARE SUBGRADE/FINE GRADING																																															
G3B10900	PLACE AGGREGATE BASE	3	13-Jan-23	17-Jan-23	PLACE AGGREGATE BASE																																															
G3B11000	INSTALL UNDERDRAIN	3	19-Jan-23	23-Jan-23	INSTALL UNDERDRAIN																																															
G3B11100	INSTALL CURB & GUTTER	4	24-Jan-23	30-Jan-23	INSTALL CURB & GUTTER																																															
G3B11300	INSTALL MS-1/MS-2	3	31-Jan-23	03-Feb-23	INSTALL MS-1/MS-2																																															
G3B11400	PLACE ASPHALT PAVEMENT SECTION	3	16-Mar-23	20-Mar-23	PLACE ASPHALT PAVEMENT SECTION																																															
G3B11500	SITE GRADING	1	31-Jan-23	31-Jan-23	SITE GRADING																																															
G3B11600	STABILIZATION	1	02-Feb-23	02-Feb-23	STABILIZATION																																															
G3B11700	INSTALL ROADWAY SIGNAGE	1	03-Feb-23	03-Feb-23	INSTALL ROADWAY SIGNAGE																																															
G3B11800	PAVEMENT MARKINGS	1	20-Mar-23	21-Mar-23	PAVEMENT MARKINGS																																															
<b>STAGE 2A CONNECTOR ROAD</b>		67	22-Dec-22	24-Mar-23	<div style="border-bottom: 1px solid black; width: 100%;"></div> 24-Mar-23, STAGE 2A CONNECTOR ROAD																																															
G3C15000	PAVEMENT DEMOLITION	2	22-Dec-22	23-Dec-22	PAVEMENT DEMOLITION																																															
G3C15100	EXCAVATION/GRADING	4	27-Dec-22	30-Dec-22	EXCAVATION/GRADING																																															
G3C15200	PREPARE SUBGRADE/FINE GRADING	3	03-Jan-23	06-Jan-23	PREPARE SUBGRADE/FINE GRADING																																															
G3C15300	PLACE AGGREGATE BASE	3	09-Jan-23	12-Jan-23	PLACE AGGREGATE BASE																																															
G3C15400	INSTALL UNDERDRAIN	2	13-Jan-23	16-Jan-23	INSTALL UNDERDRAIN																																															
G3C15500	INSTALL CURB & GUTTER	4	17-Jan-23	23-Jan-23	INSTALL CURB & GUTTER																																															
G3C15600	PLACE ASPHALT PAVEMENT SECTION	2	16-Mar-23	17-Mar-23	PLACE ASPHALT PAVEMENT SECTION																																															
G3C15700	SITE GRADING	2	17-Mar-23	21-Mar-23	SITE GRADING																																															
G3C15800	STABILIZATION	1	21-Mar-23	22-Mar-23	STABILIZATION																																															
G3C15900	INSTALL ROADWAY SIGNAGE	1	22-Mar-23	23-Mar-23	INSTALL ROADWAY SIGNAGE																																															
G3C16000	PAVEMENT MARKINGS	1	23-Mar-23	24-Mar-23	PAVEMENT MARKINGS																																															
<b>STAGE 2A BOUNDARY CHANNEL DRIVE</b>		110	22-Dec-22	24-May-23	<div style="border-bottom: 1px solid black; width: 100%;"></div> 24-May-23, STAGE 2A BOUNDARY CHANNEL DRIVE																																															
<b>PHASE 1</b>		67	22-Dec-22	24-Mar-23	<div style="border-bottom: 1px solid black; width: 100%;"></div> 24-Mar-23, PHASE 1																																															
G3D10000	TEMPORARY PAVEMENT MARKINGS	3	22-Dec-22	27-Dec-22	■ TEMPORARY PAVEMENT MARKINGS																																															
G3D10010	DEMOLISH/FILL EXISTING CONCRETE MEDIAN	1	28-Dec-22	28-Dec-22	DEMOLISH/FILL EXISTING CONCRETE MEDIAN																																															
G3D10050	SHIFT TRAFFIC	1	29-Dec-22	29-Dec-22	SHIFT TRAFFIC																																															
G3D10100	PAVEMENT DEMOLITION	4	30-Dec-22	06-Jan-23	■ PAVEMENT DEMOLITION																																															

■ Actual Work   
 ■ Critical Remaining Work   
 ▼ Summary  
■ Remaining Work   
 ◆ Milestone



Activity ID	Activity Name	Original Duration	Start	Finish	Gantt Chart (Months: 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)																																															
					Gantt Chart (Months: 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)																																															
G3D10200	EXCAVATION/GRADING	15	09-Jan-23	02-Feb-23	[Gantt bars for EXCAVATION/GRADING]																																															
G3D10300	INSTALL STORM SEWER	20	09-Jan-23	10-Feb-23	[Gantt bars for INSTALL STORM SEWER]																																															
G3D10400	PREPARE SUBGRADE/FINE GRADING	7	13-Feb-23	24-Feb-23	[Gantt bars for PREPARE SUBGRADE/FINE GRADING]																																															
G3D10500	PLACE AGGREGATE BASE	5	27-Feb-23	06-Mar-23	[Gantt bars for PLACE AGGREGATE BASE]																																															
G3D10600	INSTALL UNDERDRAIN	4	07-Mar-23	13-Mar-23	[Gantt bars for INSTALL UNDERDRAIN]																																															
G3D10700	INSTALL CURB & GUTTER	4	14-Mar-23	17-Mar-23	[Gantt bars for INSTALL CURB & GUTTER]																																															
G3D11000	PLACE ASPHALT PAVEMENT SECTION	3	20-Mar-23	22-Mar-23	[Gantt bars for PLACE ASPHALT PAVEMENT SECTION]																																															
G3D11100	SITE GRADING	1	22-Mar-23	23-Mar-23	[Gantt bars for SITE GRADING]																																															
G3D11200	STABILIZATION	1	23-Mar-23	24-Mar-23	[Gantt bars for STABILIZATION]																																															
G3D11300	INSTALL ROADWAY SIGNAGE	1	23-Mar-23	24-Mar-23	[Gantt bars for INSTALL ROADWAY SIGNAGE]																																															
G3D11400	PAVEMENT MARKINGS	1	23-Mar-23	24-Mar-23	[Gantt bars for PAVEMENT MARKINGS]																																															
G3D11500	SWITCH TRAFFIC TO PHASE 1 CONSTRUCTION	0		24-Mar-23	[Gantt bars for SWITCH TRAFFIC TO PHASE 1 CONSTRUCTION]																																															
<b>PHASE 2</b>		<b>43</b>	<b>24-Mar-23</b>	<b>24-May-23</b>	[Gantt bars for PHASE 2]																																															
G3D20000	PAVEMENT DEMOLITION	3	24-Mar-23	29-Mar-23	[Gantt bars for PAVEMENT DEMOLITION]																																															
G3D20200	EXCAVATION/GRADING	13	29-Mar-23	17-Apr-23	[Gantt bars for EXCAVATION/GRADING]																																															
G3D20400	PREPARE SUBGRADE/FINE GRADING	7	17-Apr-23	26-Apr-23	[Gantt bars for PREPARE SUBGRADE/FINE GRADING]																																															
G3D20500	PLACE AGGREGATE BASE	5	26-Apr-23	04-May-23	[Gantt bars for PLACE AGGREGATE BASE]																																															
G3D20600	INSTALL UNDERDRAIN	4	04-May-23	11-May-23	[Gantt bars for INSTALL UNDERDRAIN]																																															
G3D20700	INSTALL CURB & GUTTER	4	11-May-23	17-May-23	[Gantt bars for INSTALL CURB & GUTTER]																																															
G3D21000	PLACE ASPHALT PAVEMENT SECTION	3	17-May-23	22-May-23	[Gantt bars for PLACE ASPHALT PAVEMENT SECTION]																																															
G3D21100	SITE GRADING	1	22-May-23	23-May-23	[Gantt bars for SITE GRADING]																																															
G3D21200	STABILIZATION	1	23-May-23	24-May-23	[Gantt bars for STABILIZATION]																																															
G3D21300	INSTALL ROADWAY SIGNAGE	1	23-May-23	24-May-23	[Gantt bars for INSTALL ROADWAY SIGNAGE]																																															
G3D21400	PAVEMENT MARKINGS	1	23-May-23	24-May-23	[Gantt bars for PAVEMENT MARKINGS]																																															
G3D21500	OPEN TRAFFIC	0		24-May-23	[Gantt bars for OPEN TRAFFIC]																																															
<b>STAGE 2A RAEAST</b>		<b>83</b>	<b>22-Dec-22</b>	<b>17-Apr-23</b>	[Gantt bars for STAGE 2A RAEAST]																																															
G3E20400	PAVEMENT DEMOLITION	3	22-Dec-22	27-Dec-22	[Gantt bars for PAVEMENT DEMOLITION]																																															
G3E20500	STRIP TOPSOIL	2	28-Dec-22	29-Dec-22	[Gantt bars for STRIP TOPSOIL]																																															
G3E20600	EXCAVATION/GRADING	5	30-Dec-22	09-Jan-23	[Gantt bars for EXCAVATION/GRADING]																																															
G3E20700	INSTALL STORM SEWER	3	30-Dec-22	05-Jan-23	[Gantt bars for INSTALL STORM SEWER]																																															
G3E20800	PREPARE SUBGRADE/FINE GRADING	5	10-Jan-23	17-Jan-23	[Gantt bars for PREPARE SUBGRADE/FINE GRADING]																																															
G3E20900	PLACE AGGREGATE BASE	3	19-Jan-23	23-Jan-23	[Gantt bars for PLACE AGGREGATE BASE]																																															
G3E21000	INSTALL UNDERDRAIN	2	24-Jan-23	26-Jan-23	[Gantt bars for INSTALL UNDERDRAIN]																																															
G3E21100	INSTALL CURB & GUTTER	4	20-Jan-23	26-Jan-23	[Gantt bars for INSTALL CURB & GUTTER]																																															
G3E21110	FINE GRADE SHARED USE PATH (SUP)	2	27-Jan-23	30-Jan-23	[Gantt bars for FINE GRADE SHARED USE PATH (SUP)]																																															
G3E21120	PLACE AGGREGATE BASE SUP	2	31-Jan-23	02-Feb-23	[Gantt bars for PLACE AGGREGATE BASE SUP]																																															
G3E21130	PLACE ASPHALT PAVEMENT SECTION SUP	1	16-Mar-23	16-Mar-23	[Gantt bars for PLACE ASPHALT PAVEMENT SECTION SUP]																																															
G3E21200	INSTALL TRUCK APRON	8	16-Mar-23	28-Mar-23	[Gantt bars for INSTALL TRUCK APRON]																																															
G3E21300	INSTALL MS-1/MS-2	3	28-Mar-23	31-Mar-23	[Gantt bars for INSTALL MS-1/MS-2]																																															
G3E21400	PLACE ASPHALT PAVEMENT SECTION	3	03-Apr-23	05-Apr-23	[Gantt bars for PLACE ASPHALT PAVEMENT SECTION]																																															
G3E21500	SITE GRADING	3	06-Apr-23	10-Apr-23	[Gantt bars for SITE GRADING]																																															
G3E21600	STABILIZATION	1	11-Apr-23	11-Apr-23	[Gantt bars for STABILIZATION]																																															
G3E21700	INSTALL ROADWAY SIGNAGE	2	12-Apr-23	13-Apr-23	[Gantt bars for INSTALL ROADWAY SIGNAGE]																																															
G3E21800	PAVEMENT MARKINGS	2	14-Apr-23	17-Apr-23	[Gantt bars for PAVEMENT MARKINGS]																																															
<b>STAGE 2A LONG BRIDGE DRIVE/BOUNDARY CHANNEL DRIVE</b>		<b>66</b>	<b>28-Dec-22</b>	<b>29-Mar-23</b>	[Gantt bars for STAGE 2A LONG BRIDGE DRIVE/BOUNDARY CHANNEL DRIVE]																																															
G3F10000	PAVEMENT DEMOLITION	3	28-Dec-22	30-Dec-22	[Gantt bars for PAVEMENT DEMOLITION]																																															
G3F10100	STRIP TOPSOIL	2	03-Jan-23	05-Jan-23	[Gantt bars for STRIP TOPSOIL]																																															

█ Actual Work    
 █ Critical Remaining Work    
 ▼ Summary  
█ Remaining Work    
 ◆ Milestone



Activity ID	Activity Name	Original Duration	Start	Finish	Gantt Chart (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)																											
					Gantt Chart (Visual representation of activity durations across months)																											
G3F10200	EXCAVATION/GRADING	8	06-Jan-23	19-Jan-23	[Gantt bars for G3F10200]																											
G3F10300	INSTALL STORM SEWER	3	20-Jan-23	24-Jan-23	[Gantt bars for G3F10300]																											
G3F10400	PREPARE SUBGRADE/FINE GRADING	5	26-Jan-23	02-Feb-23	[Gantt bars for G3F10400]																											
G3F10500	PLACE AGGREGATE BASE	3	03-Feb-23	07-Feb-23	[Gantt bars for G3F10500]																											
G3F10600	INSTALL UNDERDRAIN	2	09-Feb-23	10-Feb-23	[Gantt bars for G3F10600]																											
G3F10700	INSTALL CURB & GUTTER	5	13-Feb-23	21-Feb-23	[Gantt bars for G3F10700]																											
G3F10800	FINE GRADE SHARED USE PATH (SUP)	3	23-Feb-23	27-Feb-23	[Gantt bars for G3F10800]																											
G3F10900	PLACE AGGREGATE BASE SUP	2	28-Feb-23	02-Mar-23	[Gantt bars for G3F10900]																											
G3F11000	PLACE ASPHALT PAVEMENT SECTION SUP	1	16-Mar-23	16-Mar-23	[Gantt bars for G3F11000]																											
G3F11200	INSTALL MS-1/MS-2	3	23-Feb-23	27-Feb-23	[Gantt bars for G3F11200]																											
G3F11300	PLACE ASPHALT PAVEMENT SECTION	3	16-Mar-23	20-Mar-23	[Gantt bars for G3F11300]																											
G3F11400	SITE GRADING	4	20-Mar-23	24-Mar-23	[Gantt bars for G3F11400]																											
G3F11500	STABILIZATION	1	24-Mar-23	27-Mar-23	[Gantt bars for G3F11500]																											
G3F11600	INSTALL ROADWAY SIGNAGE	1	27-Mar-23	28-Mar-23	[Gantt bars for G3F11600]																											
G3F11700	PAVEMENT MARKINGS	1	28-Mar-23	29-Mar-23	[Gantt bars for G3F11700]																											
<b>STAGE 2A RAMP F2/LONG BRIDGE</b>		<b>62</b>	<b>03-Jan-23</b>	<b>29-Mar-23</b>	[Summary bar for Stage 2A]																											
G3G10000	PAVEMENT DEMOLITION	2	03-Jan-23	05-Jan-23	[Gantt bars for G3G10000]																											
G3G10100	STRIP TOPSOIL	2	06-Jan-23	09-Jan-23	[Gantt bars for G3G10100]																											
G3G10200	EXCAVATION/GRADING	4	10-Jan-23	16-Jan-23	[Gantt bars for G3G10200]																											
G3G10300	INSTALL STORM SEWER	3	10-Jan-23	13-Jan-23	[Gantt bars for G3G10300]																											
G3G10400	PREPARE SUBGRADE/FINE GRADING	4	17-Jan-23	23-Jan-23	[Gantt bars for G3G10400]																											
G3G10500	PLACE AGGREGATE BASE	2	24-Jan-23	26-Jan-23	[Gantt bars for G3G10500]																											
G3G10600	INSTALL UNDERDRAIN	2	27-Jan-23	30-Jan-23	[Gantt bars for G3G10600]																											
G3G10700	INSTALL CURB & GUTTER	3	31-Jan-23	03-Feb-23	[Gantt bars for G3G10700]																											
G3G10800	FINE GRADE SHARED USE PATH (SUP)	2	06-Feb-23	07-Feb-23	[Gantt bars for G3G10800]																											
G3G10900	PLACE AGGREGATE BASE SUP	1	09-Feb-23	09-Feb-23	[Gantt bars for G3G10900]																											
G3G11000	PLACE ASPHALT PAVEMENT SECTION SUP	1	16-Mar-23	16-Mar-23	[Gantt bars for G3G11000]																											
G3G11200	PLACE ASPHALT PAVEMENT SECTION	3	16-Mar-23	20-Mar-23	[Gantt bars for G3G11200]																											
G3G11300	SITE GRADING	4	20-Mar-23	24-Mar-23	[Gantt bars for G3G11300]																											
G3G11400	STABILIZATION	1	24-Mar-23	27-Mar-23	[Gantt bars for G3G11400]																											
G3G11500	INSTALL ROADWAY SIGNAGE	1	27-Mar-23	28-Mar-23	[Gantt bars for G3G11500]																											
G3G11600	PAVEMENT MARKINGS	1	28-Mar-23	29-Mar-23	[Gantt bars for G3G11600]																											
G3G11700	SHIFT TRAFFIC	0		29-Mar-23	[Gantt bars for G3G11700]																											
<b>STAGE 2B CONSTRUCTION</b>		<b>10</b>	<b>24-May-23</b>	<b>07-Jun-23</b>	[Summary bar for Stage 2B]																											
<b>STAGE 2B GENERAL ITEMS</b>		<b>1</b>	<b>24-May-23</b>	<b>25-May-23</b>	[Summary bar for Stage 2B General Items]																											
G4A10000	SURVEY LAYOUT LOD/MOT DEVICES	1	24-May-23	25-May-23	[Gantt bars for G4A10000]																											
<b>STAGE 2B RA EAST</b>		<b>9</b>	<b>25-May-23</b>	<b>07-Jun-23</b>	[Summary bar for Stage 2B RA East]																											
G4B10000	PAVEMENT DEMOLITION	2	25-May-23	30-May-23	[Gantt bars for G4B10000]																											
G4B10200	EXCAVATION/GRADING	2	30-May-23	01-Jun-23	[Gantt bars for G4B10200]																											
G4B10400	PREPARE SUBGRADE/FINE GRADING	2	30-May-23	01-Jun-23	[Gantt bars for G4B10400]																											
G4B10500	PLACE AGGREGATE BASE	1	30-May-23	31-May-23	[Gantt bars for G4B10500]																											
G4B10600	INSTALL UNDERDRAIN	1	31-May-23	01-Jun-23	[Gantt bars for G4B10600]																											
G4B10700	INSTALL CURB & GUTTER	2	01-Jun-23	05-Jun-23	[Gantt bars for G4B10700]																											
G4B11100	PLACE ASPHALT PAVEMENT SECTION	1	05-Jun-23	06-Jun-23	[Gantt bars for G4B11100]																											
G4B11200	SITE GRADING	1	06-Jun-23	07-Jun-23	[Gantt bars for G4B11200]																											
G4B11300	STABILIZATION	1	06-Jun-23	07-Jun-23	[Gantt bars for G4B11300]																											
G4B11400	INSTALL ROADWAY SIGNAGE	1	06-Jun-23	07-Jun-23	[Gantt bars for G4B11400]																											

Activity ID	Activity Name	Original Duration	Start	Finish	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												
					Gantt chart grid for months 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												
G4B11500	PAVEMENT MARKINGS	1	06-Jun-23	07-Jun-23	PAVEMENT MARKINGS												
G4B11600	SHIFT TRAFFIC	0		07-Jun-23	◆ SHIFT TRAFFIC												
<b>STAGE 3 CONSTRUCTION</b>			100	21-Mar-23	08-Aug-23	08-Aug-23, STAGE 3 CONSTRUCTION											
<b>STAGE 3 GENERAL ITEMS</b>			9	21-Mar-23	03-Apr-23	03-Apr-23, STAGE 3 GENERAL ITEMS											
G5A12200	SURVEY/LAYOUT/LOD/MOT DEVICES	4	21-Mar-23	27-Mar-23	SURVEY/LAYOUT/LOD/MOT DEVICES												
G5A12300	INSTALL EROSION CONTROLS	5	27-Mar-23	03-Apr-23	INSTALL EROSION CONTROLS												
<b>STAGE 3 BOUNDARY CHANNEL DRIVE EB</b>			42	24-May-23	21-Jul-23	21-Jul-23, STAGE 3 BOUNDARY CHANNEL DRIVE EB											
G5B12200	PAVEMENT DEMOLITION	5	24-May-23	01-Jun-23	PAVEMENT DEMOLITION												
G5B12300	STRIP TOPSOIL	4	01-Jun-23	07-Jun-23	STRIP TOPSOIL												
G5B12400	EXCAVATION/GRADING	8	07-Jun-23	19-Jun-23	EXCAVATION/GRADING												
G5B12500	INSTALL STORM SEWER	7	07-Jun-23	16-Jun-23	INSTALL STORM SEWER												
G5B12600	PREPARE SUBGRADE/FINE GRADING	4	19-Jun-23	23-Jun-23	PREPARE SUBGRADE/FINE GRADING												
G5B12700	PLACE AGGREGATE BASE	3	23-Jun-23	28-Jun-23	PLACE AGGREGATE BASE												
G5B12800	INSTALL UNDERDRAIN	2	28-Jun-23	30-Jun-23	INSTALL UNDERDRAIN												
G5B12900	INSTALL CURB & GUTTER	3	30-Jun-23	06-Jul-23	INSTALL CURB & GUTTER												
G5B13200	INSTALL SIDEWALK	7	06-Jul-23	17-Jul-23	INSTALL SIDEWALK												
G5B13400	PLACE ASPHALT PAVEMENT SECTION	2	06-Jul-23	10-Jul-23	PLACE ASPHALT PAVEMENT SECTION												
G5B13500	SITE/DITCH GRADING	3	17-Jul-23	20-Jul-23	SITE/DITCH GRADING												
G5B13600	STABILIZATION	1	20-Jul-23	21-Jul-23	STABILIZATION												
G5B13700	INSTALL ROADWAY SIGNAGE	1	20-Jul-23	21-Jul-23	INSTALL ROADWAY SIGNAGE												
G5B13800	PAVEMENT MARKINGS	1	20-Jul-23	21-Jul-23	PAVEMENT MARKINGS												
<b>STAGE 3 CONNECTOR ROAD</b>			17	24-May-23	16-Jun-23	16-Jun-23, STAGE 3 CONNECTOR ROAD											
G5S10000	PAVEMENT DEMOLITION	2	24-May-23	26-May-23	PAVEMENT DEMOLITION												
G5S10100	EXCAVATION/GRADING	2	26-May-23	31-May-23	EXCAVATION/GRADING												
G5S10200	PREPARE SUBGRADE/FINE GRADING	3	31-May-23	05-Jun-23	PREPARE SUBGRADE/FINE GRADING												
G5S10300	PLACE AGGREGATE BASE	2	05-Jun-23	07-Jun-23	PLACE AGGREGATE BASE												
G5S10400	INSTALL UNDERDRAIN	2	07-Jun-23	09-Jun-23	INSTALL UNDERDRAIN												
G5S10500	INSTALL CURB & GUTTER	3	09-Jun-23	14-Jun-23	INSTALL CURB & GUTTER												
G5S10600	PLACE ASPHALT PAVEMENT SECTION	1	14-Jun-23	15-Jun-23	PLACE ASPHALT PAVEMENT SECTION												
G5S11000	PAVEMENT MARKINGS	1	15-Jun-23	16-Jun-23	PAVEMENT MARKINGS												
<b>STAGE 3 BOUNDARY CHANNEL DRIVE WB</b>			48	01-Jun-23	08-Aug-23	08-Aug-23, STAGE 3 BOUNDARY CHANNEL DRIVE WB											
G5A10000	PAVEMENT DEMOLITION	5	01-Jun-23	08-Jun-23	PAVEMENT DEMOLITION												
G5A10100	STRIP TOPSOIL	2	08-Jun-23	12-Jun-23	STRIP TOPSOIL												
G5A10200	EXCAVATION/GRADING	12	12-Jun-23	28-Jun-23	EXCAVATION/GRADING												
G5A10300	INSTALL STORM SEWER	15	12-Jun-23	03-Jul-23	INSTALL STORM SEWER												
G5A10400	PREPARE SUBGRADE/FINE GRADING	4	03-Jul-23	10-Jul-23	PREPARE SUBGRADE/FINE GRADING												
G5A10500	PLACE AGGREGATE BASE	3	10-Jul-23	13-Jul-23	PLACE AGGREGATE BASE												
G5A10600	INSTALL UNDERDRAIN	2	13-Jul-23	17-Jul-23	INSTALL UNDERDRAIN												
G5A10700	INSTALL CURB & GUTTER	5	17-Jul-23	24-Jul-23	INSTALL CURB & GUTTER												
G5A10800	FINE GRADE SHARED USE PATH (SUP)	3	24-Jul-23	27-Jul-23	FINE GRADE SHARED USE PATH (SUP)												
G5A10900	PLACE AGGREGATE BASE SUP	2	27-Jul-23	31-Jul-23	PLACE AGGREGATE BASE SUP												
G5A11000	PLACE ASPHALT PAVEMENT SECTION SUP	1	31-Jul-23	01-Aug-23	PLACE ASPHALT PAVEMENT SECTION SUP												
G5A11100	PLACE ASPHALT PAVEMENT SECTION	4	24-Jul-23	28-Jul-23	PLACE ASPHALT PAVEMENT SECTION												
G5A11200	SITE/DITCH GRADING	2	01-Aug-23	03-Aug-23	SITE/DITCH GRADING												
G5A11300	STABILIZATION	1	03-Aug-23	04-Aug-23	STABILIZATION												
G5A11400	INSTALL ROADWAY SIGNAGE	1	04-Aug-23	07-Aug-23	INSTALL ROADWAY SIGNAGE												
G5A11500	PAVEMENT MARKINGS	1	07-Aug-23	08-Aug-23	PAVEMENT MARKINGS												

█ Actual Work     █ Critical Remaining Work     ▼ Summary  
█ Remaining Work     ◆ Milestone



Activity ID	Activity Name	Original Duration	Start	Finish	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																																															
					Gantt Chart Area																																															
<b>STAGE 3 RAMP E</b>					▼ 21-Jun-23, STAGE 3 RAMP E																																															
G5C10000	PAVEMENT DEMOLITION	3	08-Jun-23	13-Jun-23	■ PAVEMENT DEMOLITION																																															
G5C10200	EXCAVATION/GRADING	3	13-Jun-23	16-Jun-23	■ EXCAVATION/GRADING																																															
G5C11200	SITE/DITCH GRADING	2	16-Jun-23	20-Jun-23	■ SITE/DITCH GRADING																																															
G5C11300	STABILIZATION	1	20-Jun-23	21-Jun-23	■ STABILIZATION																																															
<b>STAGE 3 SHARED USE PATH STA. 13+11.38 - WESTERN TERMINUS</b>					▼ 18-Jul-23, STAGE 3 SHARED USE PATH STA. 13+11.38 - WESTERN TERM																																															
G5AS210010	PAVEMENT DEMOLITION	4	13-Jun-23	19-Jun-23	■ PAVEMENT DEMOLITION																																															
G5AS210050	STRIP TOPSOIL	2	19-Jun-23	21-Jun-23	■ STRIP TOPSOIL																																															
G5AS210100	EXCAVATION/GRADING	6	21-Jun-23	29-Jun-23	■ EXCAVATION/GRADING																																															
G5AS210200	PREPARE SUBGRADE/FINE GRADING	4	29-Jun-23	06-Jul-23	■ PREPARE SUBGRADE/FINE GRADING																																															
G5AS210400	PLACE AGGREGATE BASE	3	06-Jul-23	11-Jul-23	■ PLACE AGGREGATE BASE																																															
G5AS210500	PLACE ASPHALT PAVEMENT SECTION	1	11-Jul-23	12-Jul-23	■ PLACE ASPHALT PAVEMENT SECTION																																															
G5AS210600	SITE GRADING	3	12-Jul-23	17-Jul-23	■ SITE GRADING																																															
G5AS210700	STABILIZATION	1	17-Jul-23	18-Jul-23	■ STABILIZATION																																															
<b>STAGE 3 PUMP ACCESS ROAD</b>					▼ 11-Jul-23, STAGE 3 PUMP ACCESS ROAD																																															
G5C11400	PAVEMENT DEMOLITION	2	19-Jun-23	21-Jun-23	■ PAVEMENT DEMOLITION																																															
G5C11500	EXCAVATION/GRADING	2	21-Jun-23	23-Jun-23	■ EXCAVATION/GRADING																																															
G5C11600	PREPARE SUBGRADE/FINE GRADING	3	23-Jun-23	28-Jun-23	■ PREPARE SUBGRADE/FINE GRADING																																															
G5C11700	PLACE AGGREGATE BASE	2	28-Jun-23	30-Jun-23	■ PLACE AGGREGATE BASE																																															
G5C11800	INSTALL UNDERDRAIN	2	30-Jun-23	05-Jul-23	■ INSTALL UNDERDRAIN																																															
G5C11900	INSTALL CURB & GUTTER	3	05-Jul-23	10-Jul-23	■ INSTALL CURB & GUTTER																																															
G5C12000	PLACE ASPHALT PAVEMENT SECTION	1	10-Jul-23	11-Jul-23	■ PLACE ASPHALT PAVEMENT SECTION																																															
<b>STAGE 3 SB I-395</b>					▼ 26-Jul-23, STAGE 3 SB I-395																																															
G5CSB10000	PAVEMENT DEMOLITION	7	01-Jun-23	12-Jun-23	■ PAVEMENT DEMOLITION																																															
G5CSB10200	EXCAVATION/GRADING	5	12-Jun-23	19-Jun-23	■ EXCAVATION/GRADING																																															
G5CSB10400	PREPARE SUBGRADE/FINE GRADING	4	19-Jun-23	23-Jun-23	■ PREPARE SUBGRADE/FINE GRADING																																															
G5CSB10500	PLACE AGGREGATE BASE	2	23-Jun-23	27-Jun-23	■ PLACE AGGREGATE BASE																																															
G5CSB10600	INSTALL UNDERDRAIN	2	27-Jun-23	29-Jun-23	■ INSTALL UNDERDRAIN																																															
G5CSB10700	INSTALL CURB & GUTTER	3	29-Jun-23	05-Jul-23	■ INSTALL CURB & GUTTER																																															
G5CSB11200	SITE GRADING	2	05-Jul-23	07-Jul-23	■ SITE GRADING																																															
G5CSB11300	STABILIZATION	1	07-Jul-23	10-Jul-23	■ STABILIZATION																																															
G5CSB11400	INSTALL ROADWAY SIGNAGE	1	10-Jul-23	11-Jul-23	■ INSTALL ROADWAY SIGNAGE																																															
G5CSB11500	PAVEMENT MARKINGS	1	11-Jul-23	12-Jul-23	■ PAVEMENT MARKINGS																																															
G5CSB11510	INSTALL GUARDRAIL	1	12-Jul-23	13-Jul-23	■ INSTALL GUARDRAIL																																															
<b>STAGE 3 EXSTING SW QUADRANT RAMPS</b>					▼ 26-Jul-23, STAGE 3 EXSTING SW QUADRANT RAMPS																																															
G5D10000	PAVEMENT DEMOLITION	15	12-Jun-23	03-Jul-23	■ PAVEMENT DEMOLITION																																															
G5D10100	EXCAVATION/GRADING	10	03-Jul-23	18-Jul-23	■ EXCAVATION/GRADING																																															
G5D10200	SITE/DITCH GRADING	5	18-Jul-23	25-Jul-23	■ SITE/DITCH GRADING																																															
G5D10300	STABILIZATION	1	25-Jul-23	26-Jul-23	■ STABILIZATION																																															
<b>PROJECT FINISHES</b>					▼ 21-Nov-23, PROJECT FINISHES																																															
G6A10000	RESTORE RIPARIAN BUFFER	10	18-Jul-23	01-Aug-23	■ RESTORE RIPARIAN BUFFER																																															
G6A10050	FINAL ASPHALT MILL/OVERLAY AND SURFACE PAVING	5	08-Aug-23	15-Aug-23	■ FINAL ASPHALT MILL/OVERLAY AND SURFACE PAVING																																															
G6A10100	PERMANENT PAVEMENT MARKINGS	4	15-Aug-23	21-Aug-23	■ PERMANENT PAVEMENT MARKINGS																																															
G6A10200	FINAL GUARDRAIL/ATTENUATORS	3	21-Aug-23	24-Aug-23	■ FINAL GUARDRAIL/ATTENUATORS																																															
G6A10300	PROJECT LIGHTING/ITS COMPLETION	38	22-Sep-23	21-Nov-23	■ PROJECT LIGHTING/ITS COMPLETION																																															
G6A10400	LANDSCAPING	30	22-Sep-23	07-Nov-23	■ LANDSCAPING																																															