

**EXHIBIT B-3**

**SCOPE OF EARLY WORK**

**Issuance of Limited Notice to Proceed**

The Developer shall satisfy the following conditions precedent to achieve a Limited Notice to Proceed (LNTP) to commence the Early Work tasks as set forth in this Exhibit:

- A. The Developer has submitted and the Department has approved a Scope of Work for each Early Work task, including detailed subtask descriptions and appropriate deliverables associated with each subtask.
- B. The Developer has submitted and the Department has approved the Initial Baseline Schedule which shall indicate the dates of all Early Work period deliverables.
- C. The Department has approved the payment methodology for the Early Work tasks as indicated by Section 8.02.e of the Comprehensive Agreement.
- D. The Developer complies with all other Comprehensive Agreement requirements in regards to the Early Work tasks.

<b>Table B-3.1: Early Work Deliverables</b>		
<b>Task No.</b>	<b>Early Work Task</b>	<b>Deliverables</b>
EW1	Project Management	<ul style="list-style-type: none"><li>- Developer Management Plan</li><li>- Design Quality Management Plan</li><li>- Environmental Management Plan</li><li>- Right of Way Acquisition and Relocation Plan</li><li>- Utilities Plan</li><li>- Communications Plan</li><li>- Health, Safety, and Security Plan</li><li>- Monthly Progress and Status Reports</li><li>- Initial Baseline Schedule</li></ul>
EW2	Design Public Hearing	<ul style="list-style-type: none"><li>- Public Hearing Plans</li><li>- Graphical displays and documentation to support Public Hearing</li></ul>
EW3	Design for WMATA Facilities	<ul style="list-style-type: none"><li>- Design of relocated WMATA systems and facilities</li><li>- Traction Power Simulation</li><li>- Design of non-systems WMATA elements</li><li>- Design of 34.5 kV duct bank and conduit for Traction Power Feeders</li><li>- Preliminary property acquisition activities</li></ul>
EW4	Environmental Permitting	<ul style="list-style-type: none"><li>- Deliverables will be determined by mutual agreement</li></ul>
EW5	Right of Way (ROW)	<ul style="list-style-type: none"><li>- Preliminary ROW documents</li></ul>
EW6	Utilities	<ul style="list-style-type: none"><li>- Utility Relocation Plans and Estimates</li><li>- Utility Easements</li></ul>

Table B-3.1: Early Work Deliverables		
Task No.	Early Work Task	Deliverables
		– Utility Field Inspection Meeting
EW7	Alternative Early Work Items	– To be determined as approved by the Department

**EW1. Project Management**

Developer will provide Project management services commensurate to produce the deliverables listed in Table B-3.1. It may be necessary for the Developer to provide additional Project management functions as mutually agreed to between the Developer and the Department.

**EW2. Design Public Hearing**

The Developer will advance the Project design plans to a level sufficient to commence a Design Public Hearing process for the Project. The design work may include, but is not limited to, the following components:

- Roadway plans and cross sections;
- Drainage, stormwater management, and erosion and sediment control plans;
- Utility relocation plans;
- Staging and maintenance of traffic (MOT) plans;
- Soundwall locations;
- Type, size, and location plans of all new structures and modifications to bridges (i.e. widenings);
- Bridge widening plans;
- Structural support systems;
- Communication plans;
- Tolling and ITS plans;
- Signing plans;
- Pedestrian and bike trail plans;
- Traffic data and supporting analyses; and
- Environmental data.

The Developer will produce graphical displays of sufficient size, type, and quantity to depict the proposed Project features along the length of the Project corridor. These features will include, but are not limited to, mainline and arterial roadways, structures, right of way impacts, impacts to parks and wetlands, soundwalls, drainage, maintenance of traffic (MOT) and construction phasing, impacts to third parties that may be modified or constructed as a result of the Project. Further, these graphical displays will include 3D renderings of interchanges, critical structures, or any key visual impact area, as well as video animations showing traffic movements and sequence of construction. All content of graphical displays for the Design Public Hearings will need to be coordinated with the Department in advance, prior to being made available to the general public.

### **EW3. WMATA Facilities**

The Developer may advance the design of relocated or reconstructed WMATA facilities impacted by the Project. These tasks may include, but are not limited to, the following:

- Advance the design plans provided by the Department for WMATA systems including the traction power substations (TPSS) and tie breaker stations (TBS) relocations; finalize the designs as Engineer of Record; and obtain all final approvals from WMATA;
- Coordinate and finalize the design for the relocation of the 34.5 kV traction power duct bank and conduit including approvals by WMATA and Dominion Virginia Power as required;
- Advance identification of property acquisition requirements including utility easements as required for TPSS, TBS, and duct bank relocations;
- Initiate development of procurement packages for long-lead items of equipment for the relocated WMATA systems facilities including, but not limited to, traction power generator units, switchgear, and modular units subject to approval by WMATA;
- Advance design of additional WMATA non-systems facilities impacted including, but not limited to, civil and structural designs for impacts at Vienna and Dunn Loring Metrorail Stations that may include pedestrian bridges and other impacted WMATA facilities;
- Coordinate with WMATA on obtaining rights of entry for work on WMATA property and MOT for WMATA operations; and
- Perform a traction power system simulation based on the initial simulation provided by the Department incorporating WMATA standards and criteria to verify final design configuration of systems including traction power substation and tie breaker station locations.

### **EW4. Environmental**

The Developer is required to complete or supplement the environmental surveys and permits, as outlined in the Section 7 Consultation portion of the Environmental Assessment. The Department will work together with the Developer in order to develop environmental solutions that will be mutually beneficial for the Project; however, the development of those strategies, and the corresponding permit requirements, surveys, etc., are the responsibility of the Developer. Some of the surveys that may need to be completed include, but are not limited to:

- Section 7 endangered species;
- Waters of the US (streams and wetlands); and
- Trees, recreational facilities, and existing landscaping.

The Developer may also create trail access and safety mitigation plans in concert with guidance from local Parks and Recreational facility owners. The Developer will be responsible for obtaining water quality permits. The Department will determine whether the Developer's preliminary stormwater management design conforms to the requirements of the Virginia Stormwater Management Permit (VSMP). The Developer may advance other portions of the environmental scope as necessary to mitigate schedule impacts in concert with possible Department efforts already commenced.

#### **EW5. Right of Way**

The Developer may advance the right of way process for those parcels that are demonstrated to be critical activities in the Developer's Initial Baseline Schedule. Activities may include, but are not limited to, the following:

- Secure easements necessary to advance the Project; and
- Perform advanced right of way activities including, but not limited to, scoping documents, estimates, plans, reports, title documents and appraisals.

#### **EW6. Utilities**

The Developer may advance the utility relocation process for those utility relocations that are demonstrated to be critical activities in the Initial Baseline Schedule submission. Activities may include, but are not limited to, the following:

- Perform independent utility field investigations and research as necessary;
- Conduct a Utility Field Inspection Meeting(s), in coordination with the Department, as well as periodic progress meetings thereafter with all public and private utility companies impacted;
- Develop utility relocation plans and estimates; and
- Secure utility easements necessary to advance the Project.

#### **EW7. Alternative Early Work Items**

The Department recognizes that the Developer may propose alternative Early Work tasks and deliverables that may benefit the Project. The Developer shall propose alternative Early Work tasks to the Department for review and approval prior to commencing work. Alternative Early Work items approved by the Department shall be shown in the Initial Baseline Schedule. The Developer is not limited to the number of alternative Early Work items that may be proposed to the Department for consideration; however, the Department in its sole discretion will determine which Early Work items are approved.