

I-405/Brickyard to SR 527 Improvement Request for Proposal

October 25, 2022

Chapter 2: Technical Requirements



REQUEST FOR PROPOSAL
I-405, Brickyard to SR 527 Improvement Project

General Information

2.1 General Information

2.1.1 General

Design-Build Flexibility – Washington State Department of Transportation (WSDOT) intends to allow the Design-Builder flexibility in design and construction by accommodating the processes, procedures, and innovative techniques that are preferred by the Design-Builder, as long as they are consistent with the Basic Configuration, Site conditions, good engineering practices, and the standards, guidelines, and procedures as required in the Contract.

Other Agencies – WSDOT has reviewed the Project with public and private agencies. Feedback from those agencies has been incorporated into these Technical Requirements and Appendices. WSDOT does not guarantee that the agencies will not impose additional requirements after completion of their review of the Design-Builder's design, or that additional feedback from the agencies will not be incorporated. All contact with Sound Transit, King County, Snohomish County, City of Bothell, City of Kirkland, Community Transit, and University of Washington - Bothell shall be coordinated through the WSDOT Engineer.

The Design-Builder shall promptly notify WSDOT of any additional agency requirements. The Design-Builder and WSDOT shall coordinate all negotiations with the appropriate agencies.

2.1.1.1 Scope

The Design-Builder shall perform all Work necessary to deliver or construct the Project, unless the Work is specified to be performed by WSDOT or by others. Quality Control (QC) and Quality Assurance (QA) processes shall apply to all aspects of the Work, including, at a minimum, design, construction, environmental compliance, maintenance of traffic, public involvement, Utilities, and control of materials. These processes shall be outlined in the Quality Management Plan.

2.1.1.2 Units of Measurement

The Project shall be designed, constructed, and documented in English units of measure.

2.1.1.3 Purpose

The purpose of this Project is to provide congestion relief and safety improvements along I-405, and improve the express toll lane system through additional capacity and the construction of new direct access interchanges. The Project will also provide environmental enhancements and provide for Bus Rapid Transit implementation.

2.1.1.4 Project Description

The Project extends along I-405 for approximately 6 miles, beginning south of the NE 160th Street interchange (MP 21.40) and extending to north of the SR 527 interchange (MP 27.06).

The Project improvements shall include, but are not limited to, the following:

Northbound and Southbound I-405 (MP 21.4 to MP 27.1)

- Extend the dual express toll lane system from the NE 160th Street vicinity to the SR 527 interchange vicinity.
- Restripe existing lanes to provide a second express toll lane from approximately MP 21.8 to MP 22.3.
- Widen northbound and southbound I-405 from the NE 160th Street vicinity (MP 22.3) to the 17th Avenue SE direct access (MP 26.3) to provide one additional new lane in each direction.
- Extend the existing auxiliary lane along southbound I-405 from its current terminus at the 160th Street off-ramp to a point just south of the NE 160th Street overcrossing.

NE 160th Street Interchange/Brickyard Park and Ride (MP 22.6)

- Construct a new median transit station with direct transit access ramps from the express toll lanes to the new bus rapid transit (BRT) Station, including BRT Platforms, elevators, and stairways.
- Construct a new pedestrian structure connecting the BRT Station to the existing Brickyard Park and Ride lot on the west side of I-405.
- Construct a new pedestrian structure connecting the BRT Station to NE 155th Street on the east side of I-405, including reconfiguration of NE 155th Street.
- Reconfigure the Brickyard Park and Ride lot.

SR 522 Interchange (MP 23.7)

- Construct new direct access ramps in the I-405 median with a BRT Station on the new ramps.
- Install three signalized intersections.
- Construct a transit hub consisting of a BRT Station, turnaround loop, pick-up and drop-off facilities, comfort station, and a new nonmotorized connection to the North Creek Trail within the northwest quadrant of the SR 522 interchange.
- Reconfigure the northbound I-405 to eastbound SR 522 ramp from one lane to two lanes.
- Reconstruct portions of the Sammamish River Trail impacted by construction.
- Demolish two existing bridges over the Sammamish River, including pier removal above and below the ordinary high water mark, and construct three new bridges over the Sammamish River.

SR 527 Interchange (MP 26.7)

- Construct new direct access ramps in the I-405 median with a connection to 17th Avenue SE to the east, including a BRT Station along the ramps.
- Reconstruct the pedestrian bridge over I-405 to connect to the new BRT Station.
- Reconfigure 17th Avenue SE and portions of 220th Street SE and SR 527 to include a roundabout at the Canyon Park Park and Ride, bicycle and pedestrian improvements, and improvements at the SR 527 and 17th Avenue SE intersections with 220th Street SE.
- Reconfigure the Canyon Park Park and Ride lot, including relocation or reconstruction of Community Transit facilities.
- Widen the northbound I-405 bridge over 228th Avenue SE.

Fish Barrier Corrections

- Replace fish barriers with restored stream connections at:
 - Juanita Creek under I-405,
 - Par Creek under SR 522,
 - Stream 25.0L under I-405 connecting to North Creek,
 - North Fork Perry Creek under I-405, and
 - Queensborough Creek under both I-405 and SR 527.

Noise and Retaining Walls

- Construct three new noise walls near NE 160th Street and SR 527.
- Construct new retaining walls.

Stormwater Management

- Construct new stormwater management and water quality facilities.
- Construct three new stormwater outfalls, one on the Sammamish River and two on the North Fork Perry Creek.

Other Project improvements shall include seismic retrofit of bridges, pavement marking, drainage improvements, permanent signing, illumination, intelligent transportation systems, barrier, and Toll Gantries.

2.1.1.5 Project Goals

For Project goals, refer to the Instructions to Proposers.

2.1.1.6 Coordination with Other Projects

The Design-Builder shall coordinate the Project Work with other WSDOT projects, with Local Agencies' projects, and with others. The following projects could occur within the immediate vicinity of, or at the same time as, the Project:

- WSDOT I-405, Renton to Bellevue Corridor Widening and ETL
- WSDOT, Revive I-5

- WSDOT I-405, NE 132nd Street Interchange Project
- WSDOT SR 520, Montlake to Lake Washington I/C and Bridge Replacement Project
- WSDOT SR 520/I-5 Interchange - Improvement - New Reversible HOV Ramp connection with I-5
- WSDOT I-405 Operational Improvements Project
- WSDOT/Sound Transit I-405, NE 85th Street Interchange and Inline Station Project
- WSDOT SR 522/Woodinville Weigh In Motion – Weigh Station
- Sound Transit I-405 Bus Rapid Transit (BRT) Project
- City of Kirkland Totem Lake area projects, including Totem Lake Connector, Village at Totem Lake, and other transportation improvements
- City of Bothell Overlay Projects on Woodinville Drive and NE 195th/Beardslee

2.1.2 Communications

2.1.2.1 Notification

When the Contract requires that a notification be sent to WSDOT, the Design-Builder shall send an email to the WSDOT Engineer.

2.1.2.2 Meetings and Coordination

2.1.2.2.1 All Meetings

The Design-Builder shall develop all meeting agendas and provide all meeting facilities. Agendas shall be sent to the invitees at least 24 hours prior to meetings.

The Design-Builder shall record minutes of each meeting and distribute copies to all attendees within 5 Calendar Days of the meeting for Review and Comment. WSDOT will return comments to the Design-Builder within 5 Calendar Days of receipt of minutes and the Design-Builder shall finalize minutes within 5 Calendar Days of receiving WSDOT comments.

2.1.2.2.2 Task Force Meetings

The Design-Builder is encouraged to maintain close communication with WSDOT throughout the design and construction of the Project. It is anticipated that this close communication will expedite Project reviews, facilitate the incorporation of innovative Project solutions, and facilitate Final Acceptance of the Project.

Task force meetings are required for specific disciplines as noted in these Technical Requirements. Should the Design-Builder choose to hold task force meetings for other disciplines, WSDOT will be available on a weekly basis to attend them.

2.1.2.2.3 *Orientation Meeting*

Within 14 Calendar Days of Notice to Proceed (NTP), the Design-Builder shall schedule an orientation meeting between the Design-Builder and the WSDOT Engineer to address documentation requirements.

2.1.2.2.4 *Kick-Off Meeting*

As soon as practicable, but not more than 30 Calendar Days after NTP, the Design-Builder shall schedule a kick-off meeting with the WSDOT Engineer to discuss the Project, and to exchange information as described in the WSDOT *Construction Manual* (Appendix D). Additional topics relevant to the design phase, as identified by the Design-Builder, shall also be discussed at this meeting.

2.1.3 *Subcontracts*

2.1.3.1 *General*

The Design-Builder shall incorporate the provisions specified in Section 1-08 of the *General Provisions* into each Subcontract.

2.1.3.2 *Communication*

The Design-Builder shall require all Subcontractors, suppliers, and other individuals or entities performing or furnishing any of the Work to formally communicate with WSDOT through the Design-Builder only.

2.1.3.3 *Coordination*

The Design-Builder shall accept sole responsibility for scheduling and coordinating the Work of Subcontractors, suppliers, and other individuals or entities performing or furnishing any Work under direct or indirect contract with the Design-Builder.

The Design-Builder shall accept sole responsibility for the environmental performance of all Subcontractors on the Project. The Design-Builder remains the sole responsible party for all environmental compliance and commitments and shall structure their Subcontractor agreements such that compliance by their Subcontractors is assured.

2.1.4 *Construction Office*

The Design-Builder shall provide and maintain all office and other building space, including office space for WSDOT, and all facilities, equipment, and vehicles necessary to construct the Project and to meet the requirements of the Contract. Sufficient space shall be provided in the Design-Builder's Project office for simultaneous occupancy by both construction and design personnel. The Design-Builder's Project office shall comply with all local, State, and federal health and safety laws and regulations.

The Design-Builder is encouraged to co-locate its staff with WSDOT into a single Project office, with the Design-Builder's staff and WSDOT organized in teams

that are integrated by discipline. The Design-Builder shall coordinate with the WSDOT Engineer prior to securing any data or phone connection for a co-located office. Although co-location is encouraged, the Design Builder should note that while the COVID-19 pandemic persists WSDOT staff may be required or encouraged to work full- or part-time off-site in an effort to reduce transmission of the virus.

2.1.4.1 WSDOT Facilities

The Design-Builder shall provide an office with space for the WSDOT Project office. The Design-Builder shall follow the Washington State Office of Financial Management *State Facilities Workplace Strategies and Space Use Guidelines*. Full Local Area Network (LAN) coverage shall be provided throughout this space. Each office space shall be at least 100 square feet, wired for one personal computer (unless otherwise specified) on the WSDOT network, and wired for one telephone. The Design-Builder shall provide the following office and storage spaces for WSDOT:

- Five full-time, reasonably sound-proof, closed-door office spaces, two of which have a table with a minimum of four chairs.
- 20 full-time office spaces
- Two drop-in office spaces
- One network room meeting the requirements of this Section.
- Access to two conference rooms at the WSDOT Project office, both wired to WSDOT network connection
- 25 parking spaces
- Meeting facility at the Project office shall have virtual conferencing capabilities.

Of the parking spaces noted above, the Design-Builder shall provide secure parking for 10 WSDOT construction vehicles. The Design-Builder shall provide one or more of the following:

- Motion-detected security lighting covering the entire parking area.
- Fencing, including a locking gate and razor wire along the top of the fence.
- Video surveillance
- Nighttime security patrols
- Other security measure(s) as approved by the WSDOT Engineer.

If there is an incident of theft, vandalism, or loss, the Design-Builder shall provide additional security measures to prevent further incidents of theft, vandalism, and loss.

The Design-Builder shall also provide sufficient space for the WSDOT materials testing trailer; one 8 feet tall, 20 feet long, 8 feet wide storage container; and one parking space for the materials testing van. The parking space shall be parallel

and adjacent to the trailer, on the same side as the access doors. The storage container shall be adjacent to the WSDOT materials testing trailer. The Design-Builder shall provide a water connection, a sewer or bladder system connection to the sink drain, and connection to 200 amp electrical service.

2.1.4.2 Location

The Design-Builder's Project office and the office space for WSDOT shall be located no more than 1 mile driving distance of the I-405 Project limits within King County, preferably adjacent to the Project Right of Way.

2.1.4.2.1 General Requirements

In addition to the requirements described above, the office space for WSDOT that is provided by the Design-Builder shall include the following:

- One desk, chair, two-drawer locking filing cabinet, bookcase, and telephone in each office space.
- One touch-tone speaker telephone for each office space with a status indicator and access to all outside lines and conference call systems. Each telephone shall be connected to a phone service with voice mail for each extension.
- Meeting facilities or video conference capabilities for all Project-related meetings. In the event the requirements for any meeting exceed the space available, the Design-Builder shall provide meeting space at a suitable alternate location. The alternate location shall be located within 2 miles of Project Limits.
- At least two exits from each building or trailer
- Evacuation lighting in the event of a power outage
- A secure door lock plus a deadbolt lock on each entrance
- Separate men's and women's restrooms
- Trash and recycle containers for paper, clean glass containers, metal cans, and plastic containers.
- Daily janitorial service (except holidays) including trash and recycle pickup for paper, clean glass containers, metal cans, and plastic containers.
- Maintained exterior office space areas, including access to parking areas and snow removal.
- Overhead lighting that meets the requirements of the United States Occupational Safety and Health Administration, and building and electrical codes for office space, which shall include a minimum circuit capacity of 20 amps, and at least two duplex receptacles for each office space.

- Heating, ventilation, air conditioning, and cooling systems capable of maintaining temperatures between 65 and 75°F in all spaces, including the network room, throughout the year.
- If the office space is equipped with a kitchen area, the Design-Builder shall have sufficient ventilation capable of ventilating all cooking appliances.
- One room with a lockable door for use by WSDOT as a computer server and telephone network connection room. The room shall be at least 100 square feet. WSDOT Information Technology staff shall have unrestricted access to this room. The computer network and phone network connections for the WSDOT office spaces shall terminate in this room. This room may be common with the Design-Builder's phone and computer network service room.
- Access requirements that meet the Americans with Disabilities Act
- An office space that meets all local building code requirements
- A single point of contact for coordinating all facility related items.

The Design-Builder shall maintain all office space for WSDOT occupancy from 45 Calendar Days after NTP, until at least 90 Calendar Days after Physical Completion of the Project, unless otherwise agreed to in writing by WSDOT.

The Design-Builder shall provide the following items to the WSDOT Engineer within 21 Calendar Days after NTP:

- Building address
- Name of data service provider
- A walk through of the office space

Except for the Design-Builder's Project office and the office space for WSDOT, the Design-Builder shall remove all facilities and perform any required Site restoration Work related to facilities provided by the Design-Builder, prior to Physical Completion.

The Design-Builder shall remove all facilities and perform any required Site restoration Work related to the Design-Builder's Project office and the office space for WSDOT within 100 Calendar Days after Physical Completion.

2.1.4.2.2 WSDOT-Owned Property

This Section is intentionally omitted.

2.1.4.3 Information Technology

2.1.4.3.1 Personal Computer Workstations

WSDOT will furnish and install, for its exclusive use, personal computer workstations and network printers in the workspaces described above. WSDOT will connect these devices, with its own 12-foot patch cords, to wall plates furnished by the Design-Builder. Equipment and infrastructure provided by the

1 Design-Builder shall not interfere with WSDOT's network. Network devices
2 provided by the Design-Builder shall be on a different sub-net than WSDOT's
3 and shall not connect to WSDOT's hub or other devices.

4 **2.1.4.3.2 Network and Telecom Communications**

5 The Design-Builder shall ensure the office has access to data and phone services
6 designated for the exclusive use of WSDOT. The Design-Builder shall ensure that
7 this data service is equal to or faster than 250 Mbps. The Design-Builder shall
8 coordinate with the WSDOT Engineer to ensure this data service is sufficient and
9 compatible with WSDOT's network. The Design-Builder shall extend telco and
10 data demarcation into the Main Distribution Frame (MDF) computer room of the
11 suite or room of the facility WSDOT occupies. Data service shall be ready to use
12 by WSDOT within 30 Calendar Days after NTP. WSDOT will arrange for
13 installation and will pay for the connection charges to the circuit. Systemax rated
14 (or comparable) Category 6 Ethernet network LAN cabling shall be installed from
15 each WSDOT closed-door office, on-site conference room(s), \$\$\$ printer
16 locations, and office space to the wiring closet. The Design-Builder shall install
17 data jacks into the ceiling at predetermined locations for wireless access points.
18 The wall plates shall be located to permit the use of 12-foot patch cords provided
19 by WSDOT. The data jacks will be universal and used for both phone and data
20 communications, therefore at least two jacks will be installed into each of the
21 above locations. In addition to the 12-foot patch cords, WSDOT will provide its
22 own router Private Branch Exchange (PBX) gateway, switches, and wireless
23 access points to connect its computers to the internet and phones to the WSDOT
24 PBX environment. The Design-Builder infrastructure shall not interfere with
25 WSDOT's infrastructure.

26 If multiple buildings or Intermediate Distribution Frame (IDF) are involved, then
27 a 12-strand single-mode fiber cable will be installed and terminated with Lucent
28 Connectors (LCs) between each building's IDF computer room and the main
29 building's MDF or other Ethernet connectivity with WSDOT approval. A 25-pair
30 copper cable will run from the main building's MDF to each IDF computer room.

31 The Design-Builder shall provide rack space in the network room to
32 accommodate the router, and switches, PBX gateway, and data jacks. The
33 WSDOT equipment may be in the same network room as the Design-Builder's
34 equipment. The Design-Builder shall submit a wiring and office floor plan to the
35 WSDOT Engineer for Review and Comment within 21 Calendar Days of NTP.

36 **2.1.5 Project Documentation**

37 **2.1.5.1 General**

38 The Design-Builder shall accept sole responsibility for the documentation of all
39 Work activities.

40 The Design-Builder shall maintain in good order, in a secure and protected place
41 at the Project Site, an electronic record of all drawings, specifications, addenda,
42 Written amendments, Change Orders, change directives, field orders, and Written

1 interpretations and clarifications required for the Work. The Design-Builder shall
2 annotate the record documents to show changes made during design and
3 construction. The Design-Builder shall make these record documents, together
4 with all approved samples and approved Working Drawings, available to
5 WSDOT for reference.

6 **2.1.5.2 Format**

7 The Design-Builder shall maintain all files indicated in this Section as electronic
8 files.

9 **2.1.5.3 Communications Distribution**

10 At a minimum, the Design-Builder shall prepare and circulate to the WSDOT
11 Engineer and meeting attendees all correspondence, minutes of meetings, and
12 other documents developed as a result of all communications with the following:

- 13 • WSDOT
- 14 • Utility Owners
- 15 • Communities
- 16 • Agencies
- 17 • The general public

18 The Design-Builder shall accept sole responsibility for ensuring that all
19 communications are distributed to the appropriate parties.

20 **2.1.5.4 Electronic Files**

21 **2.1.5.4.1 Backups**

22 The Design-Builder shall backup all electronic files that have been revised every
23 Calendar Day, backup all electronic files every week, and store all backup media
24 in a secure off-site area in accordance with this Section.

25 **2.1.5.4.2 Data Backup and Recovery**

26 The Design-Builder shall develop and implement data security and a backup and
27 recovery plan for Project information maintained by the Design-Builder.

28 **2.1.5.5 Design Documentation**

29 **2.1.5.5.1 Communication and Submittal Documentation**

30 Throughout the course of the Project, the Design-Builder shall maintain in the
31 Design-Builder's Project office and make available for WSDOT review, at a
32 minimum, an electronic set of the following documents:

- 33 • Contract
- 34 • Calculations
- 35 • Reports

- Studies and investigations
- Preliminary Design Submittal and Final Design Submittal documents
- Design QC documentation
- Released for Construction (RFC) documents and revised RFC documents.
- Communications
- Minutes of meetings
- Review comments and responses
- Permits and other environmental agreements.
- Easement agreements

2.1.5.6 Construction Documentation

2.1.5.6.1 Communication and Submittal Documentation

Throughout the course of the Project the Design-Builder shall maintain in the Design-Builder's Project office and make available for WSDOT review, a complete, orderly set of the documents listed below. These files shall be electronic files:

- Subcontracts
- Change Orders
- Working Drawings
- Pay invoices
- Field directive changes
- Claims
- Calculations
- Reports
- Tests
- RFC
- Notice of Design Changes (NDCs)
- Nonconforming Issues (NCIs)
- Nonconformance Reports (NCRs)

2.1.5.7 Document Control Requirements

2.1.5.7.1 General

Document control is an integral part of WSDOT's proactive project management process for all WSDOT Projects. The Design-Builder shall use an electronic Document Control System (DCS) to track and manage all Project documentation. The Design-Builder shall ensure that all incoming and outgoing Project

documentation is electronically and physically accounted for and filed. Design and construction submittals are filed electronically prior to implementation.

The Design-Builder shall work with WSDOT to ensure that the WSDOT and Design-Builder systems and processes are compatible. The Design-Builder's DCS shall be subject to WSDOT Review and Comment.

The Design-Builder shall establish and maintain a collaborative and secure website DCS, accessible to both the Design-Builder and to WSDOT from the Project office and remote locations, to exchange, organize, list, store, record, and track correspondence, drawings, technical reports, specifications, submittals, calculations, control of materials, Inspector Daily Reports, meeting minutes, administrative, and other Project documents. The Design-Builder shall also establish document routing, filing, control, and retrieval methods that are compatible with WSDOT's DCS. Document control, storage, and retrieval methods shall include the use of electronic records. The Design-Builder's DCS shall manage all of the documents. The Design-Builder's DCS shall be established and operational prior to the first design submittal to WSDOT and no later than 30 Calendar Days after NTP.

The Design-Builder shall provide DCS access, training, and system support to all WSDOT employees and WSDOT representatives who require access to the collaborative website DCS, including all reviewers of Project documents and other Project stakeholders as directed by WSDOT without stipulations on legal agreements outside of this Contract. If applicable, the Design-Builder shall provide all licenses for WSDOT and other Project stakeholders' use.

2.1.5.7.2 Personnel Requirements

The Document Control Manager (DCM) shall prepare the Document Control Work Plan and be responsible for management of Project documents from NTP through Project Completion. The Design-Builder shall provide a DCM with a minimum of 2 years of experience managing collaborative web-based electronic DCS. At least 1 year of this experience shall be experience with the specific collaborative web-based DCS that the Design-Builder will utilize on this Project. The DCM shall have experience auditing systems and processes to ensure compliance with the Contract.

2.1.5.7.3 File Format

Graphics shall be submitted in TIF, GIF, JPG, or PDF file formats (compressed image formats only). These formats are intended for photos, conceptual sketches, and other uses.

Data files contained in a database or a spreadsheet shall be in one of the following formats:

- Microsoft Access
- Microsoft SQL
- Microsoft Excel

1 All links between non-graphical data and graphic elements, relationships between
2 database tables, and report formats shall be maintained. The Design-Builder shall
3 provide the database file in the preferred file format as designated by the
4 WSDOT Engineer.

5 All documents such as reports, photographs, and manuals that use a variety of file
6 formats shall be submitted as searchable PDFs, in addition to being submitted in
7 the base electronic file format.

8 **2.1.5.7.4 Submittals**

9 **2.1.5.7.4.1 Document Control Work Plan**

10 The Design-Builder shall submit a Document Control Work Plan within
11 30 Calendar Days of NTP or prior to the first design submittal, whichever occurs
12 first. This plan shall include the following:

- 13 • Naming convention and resubmittal naming convention
- 14 • DCS document deletion procedure
- 15 • Flow charts depicting the routing and processing of documents.
- 16 • A plan to ensure the most current RFC drawings, pre-activity plans,
17 meeting minutes and Technical Specifications are in the hands of the
18 construction manager, superintendents, foreman, QC personnel, and
19 QA personnel.
- 20 • Persons involved and their responsibilities.
- 21 • Incorporation of electronic documents into the DCS
- 22 • Site map illustrating the electronic file structure within the DCS.
- 23 • DCS backup and recovery
- 24 • Submittal log in DCS

25 **2.1.5.7.4.2 Format**

26 All documents sent to WSDOT shall contain the following information at the top
27 or on the first page of the document being sent:

- 28 • WSDOT Project name and Contract number
- 29 • Document type, such as letter, letter of transmittal, deliverable, and
30 submittal
- 31 • Document number, unique for the type of document

32 If any revisions are made to the original document, the same unique number shall
33 be used with a revision number added. At a minimum, all submittals shall be
34 electronic. Unless otherwise specified, the Design-Builder shall send a PDF of the
35 document. WSDOT may also require the Design-Builder to send the file in other
36 formats as requested by the WSDOT Engineer.

2.1.5.7.4.3 Project Completion

Prior to Project Completion of the Project, the Design-Builder shall deliver to WSDOT a full and complete backup of the DCS. This backup shall include all documents in electronic format. The Design-Builder shall also deliver a copy of the DCS software in the version that the electronic documents and databases were created in.

The Design-Builder shall provide a final file structure and index for the electronic archived documents. Written instructions and procedures for use of the Design-Builder's software pertaining to the archived documents shall also be provided.

2.1.5.7.4.4 Miscellaneous Submittals

At the request of the WSDOT Engineer, the Design-Builder shall deliver to the WSDOT Engineer Work-related submittals that do not fit in the previous categories but are prepared in accordance with this Section.

2.1.6 Software

2.1.6.1 General

The Design-Builder shall acquire, use, and maintain all software for the Project.

Version – The Design-Builder shall use the current version of the specified software in effect as of NTP, unless otherwise specified in this Section.

Updates – The Design-Builder shall update software programs throughout the Contract within 6 months of release of a software update, or earlier, if mutually agreed upon with WSDOT. WSDOT will similarly update its software.

File Server – The Design-Builder shall store all data files for the software programs on, or have them accessible through, the Design-Builder's central file server.

2.1.6.1.1 Required Project Software

In addition to any other software specified in the Contract, the Design-Builder shall use the following software programs:

2.1.6.1.1.1 Roadway

InRoads (by Bentley) – The same version WSDOT is using on May 1, 2023.

2.1.6.1.1.2 CADD Files

MicroStation (by Bentley) – The same version WSDOT is using on May 1, 2023.

2.1.6.1.1.3 Word Processing and Spreadsheets

The Design-Builder shall use the following software:

- Microsoft Word for word processing

- 1
 - Microsoft Excel for spreadsheets
- 2
 - Microsoft Access for databases
- 3

End of Section