ADDENDUM #2 – February 21, 2018

WEST VIRGINIA PARKWAYS AUTHORITY

PLANS, SPECIFICATIONS AND CONTRACT DOCUMENTS FOR:

BARRIER C CANOPY ROOF REPLACEMENT
CONTRACT BCCR-1-18
KANAWHA COUNTY

Remove and replace in contract specifications:
- Page 32 – Removed bullet point 17 at the top of page, “SSPC QP1 & QP2 Certificates”. Bullet point 17 is replaced by “West Virginia Ethics Commission-Disclosure of Interested Parties to Contracts”.
- Page 42 – Added bullet point 9, “See sheet 42A”.
- Add Page 42A – Additional Scope of Work Notes.
- Page 53 – Edited bullet point 4 under INSULATION UNDERLAYMENT, “if required for drainage”.

WEST VIRGINIA PARKWAYS AUTHORITY

[Signature]
Gregory C. Barr
General Manager
February 21, 2018
1. Contract Bond
2. Insurance Certificate(s)
3. Progress Schedule and Operation Plan
4. List of Material Supplier(s)
5. West Virginia Workers Compensation Certificate
6. WVDOH Pre-Qualification Certificate
7. List of Subcontractor(s)
8. Quality Control Plan(s)
9. Pollution Control Plan(s)
10. List of Contractor’s Key Personnel
11. Safety Plan
12. West Virginia Jobs Act Action Plan
13. Traffic Certification
14. Superintendent’s Qualifications
15. MOT Subcontractor(s) Superintendent
16. Contract (Signed by the Contractor)
17. West Virginia Ethics Commission-Disclosure of Interested parties to Contracts

The Contractor shall submit a progress schedule using the Bar Chart, Gant Chart, or Critical Path Method (CPM) format. As a minimum, the schedule shall include:

- The duration of activities.
- The interrelationship of critical activities.
- Submission of design mixes.
- Maintenance of traffic changes
- Any temporary work necessary to complete project.
- An easily distinguishable critical path.
- Final completion by the date specified in the contract (for fixed date contracts) or by the completion date determined by contract duration and NTP.

SECTION 105 – CONTROL OF WORK

105.17 Submission and Disposition of Claims

The first paragraph of this section is deleted and the following substituted therefore:

Early or prior knowledge by the Authority of an existing or impending claim for damages might alter the plans, scheduling and other actions of the Authority or result in mitigation or elimination of the effect of the act objected to by the Contractor. Therefore, a written statement describing (1) the act of omission or commission by the Authority or its agents that allegedly caused damage to the Contractor and (2) the nature of the claimed damage, must be submitted to the Engineer at the time of occurrence or beginning of the work upon which the claim and subsequent action is base. If such damage is deemed certain in the opinion of the Contractor to result from the Contractor's acting upon an order emanating from the Engineer, the Contractor shall take written exception to such order immediately. Submission of notice of claim as specified shall be mandatory, failure to comply shall be a conclusive waiver to such claim for damages by the Contractor. Mere oral notice or statement will not be sufficient nor will notice or statement after the event since it tends to hinder, if not prevent, the Authority’s investigation of the pertinent facts. At the time of occurrence or prior to beginning the work, the Contractor shall furnish the Engineer with an itemized list of equipment, labor and materials for which additional compensation will be claimed. The Contractor shall afford the Engineer every facility for keeping actual cost of the work. The Contractor and Engineer shall compare records and bring them into agreement at the end of each day. Failure on the part of the Contractor to afford the Engineer proper facilities for keeping strict account of actual cost will constitute a waiver of the claim for such extra
701.00 General

SCOPE OF WORK

The West Virginia Parkways Authority, hereafter referred to as "Authority", is accepting bids for the removal, disposal, repair and replacement of the existing EPDM toll canopy roof located at the Authority's Toll Barrier C, Milepost 83.

1. Remove existing EPDM roof and underlying insulation to expose the existing built-up roof.
2. Inspect existing roof underlayment for deterioration and damage and replace as necessary. This contract assumes that five percent (5%) of the existing roof area is damaged. Contractor shall repair all damaged sections of the existing roof to original condition and to the satisfaction of the Engineer. All roof repair work shall be included in the contractor's bid for Item 701001-002, Canopy Roof Repair. Any damaged areas beyond the assumed five percent (5%) that require repair will be approved by the Engineer and the cost associated with this repair will be by mutual agreement between the Authority and the contractor.
3. Install one (1) layer of 1.5” polyisocyanurate insulation over the existing built-up roof system. Insulation shall be mechanically fastened to the existing roof system in accordance with the manufacturer's recommendations. Insulation shall be tapered 1/4:12 toward the drains located at the roof center.
4. Install new flashing at each drain location.
5. Install one (1) layer of 60 mil (0.060”) thick, non-reinforced Ethylene Propylene Diene Monomer (EPDM) roof covering over the entire canopy roof. The EPDM color shall be black and shall be fully adhered to the newly installed polyisocyanurate insulation.
6. Fabricate and install new 24 gage, kynar finished gravelstop flashing around the entire inside perimeter of the roof.
7. Install four (4) fall protection anchors on the roof. Fall protection anchors shall meet or exceed the requirements as set forth in Section 701.03 of these contract documents.
8. Clean-up all construction debris and leave site in original condition.
9. See Sheet 42A.

WARRANTY

Material shall be warranted for a period of twenty (20) years after completion.

PAYMENT

The costs for all materials, labor, removal, disposal, repair and replacement as indicated in this contract shall be paid for as item 701001-001, Barrier C Canopy Roof Replacement.

WORK SEQUENCE AND TRAFFIC CONTROL

1. Contractor shall perform no work over live traffic. Barrier C has ten (10) toll lanes. All work shall be scheduled and executed during periods of off-peak traffic volume to allow closure of barrier lane(s). All scheduled work shall be coordinated with and approved by WVPA designated Personnel. Maintenance of traffic, equipment and labor, to close toll lane(s) necessary for roofing work shall be the responsibility of the contractor and cost shall be included in his bid for Item 701001-001, Barrier C Canopy Roof Replacement.
2. Contractor shall sequence all roof work, removal of existing and placement of new, to correspond with the toll lane closures. Stop points and seams shall be constructed so as to prevent leaks in the existing and as-built new condition. Contractor shall be responsible to repair any such leaks that occur.
9. The contractor is advised that it is required that the roof system slope toward the center roof drains. The minimum slope is 3/4" per 12 inches. In the event that the existing roof does not slope a minimum of 3/4" per 12 inches toward the drains, the contractor will be required to retrofit the existing roof to provide drainage.

The recommended retrofit is to use 3/4" per 12 inches tapered insulation board, along with adjusting the height of the perimeter curb to provide a minimum of 2 inches freeboard above the roof. All retrofit details shall be approved by the engineer. Cost of all material, labor and equipment for the curb retrofit, if required, shall be considered incidental to bid item 701001-001, “Barrier C Canopy Roof Replacement”.
6. Each phase of new roofing, consistent with toll lane closure work area, shall be complete and weather tight at the end of the work day.

7. Contaminants shall not come in direct contact with the roofing membrane.

J. WARRANTY

1. Provide manufacturer’s 20-year Material Warranty covering material failure due to weathering with no dollar limitation. In addition, the warranty coverage shall include provisions for the design and installation of the roofing system against failure due to wind. The system shall be designed and installed with the capability of resisting ground wind speeds of 90 mph measured at 33 feet without incurring damage. Certification is required with bid submittal indicating the manufacturer has reviewed and agreed to such wind coverage.

2. Warranty shall also cover leaks caused by accidental coverage.

3. Pro-rated System Warranties shall not be accepted.

4. Evidence of the manufacturer’s warranty reserve shall be included as part of the project submittals.

PART 2 – PRODUCTS

A. GENERAL

1. All components of the specified system shall be products of WeatherBond or approved equal.

2. All components of the roof system shall be covered by roof system manufacturer’s warranty.

B. MEMBRANE

1. Membrane supplied shall be WeatherBond RBR Reinforced EPDM membrane or approved equal.

2. Nominal thickness shall be 60 mils (0.060”).

3. Membrane shall be full adhered.

4. Color shall be black.

C. INSULATION UNDERLAYERMENT

1. Insulation shall be WeatherBond XFP Polyisocyanurate foam core insulation board or approved equal. Alternate insulation board shall be fully compatible with the membrane supplied.

2. Standard 4’ x 8’ sheets with a nominal thickness of 1.5” shall be used unless otherwise approved the WVPA.

3. The sheets shall contain a foam core and have both sides coated with glass fiber mat facer meeting ASTM C1289-06, Type II, Class 2 (20 psi).

4. The insulation board shall be tapered 1/4:12, if required for drainage.