

Request for Proposals
Part 3
Lump Sum Agreement
Date (Insert)

Project Name (Insert)
County/City, Virginia
Project No. (Insert)
PPMS (Insert)

PART 3

**Lump Sum
Design-Build Agreement
Between
Department and Design-Builder**

[date of template document April 1, 2007]

This **AGREEMENT** is made as of the ___ day of _____ in the year of ____, by and between the following parties, for services in connection with the Project identified below.

**VIRGINIA DEPARTMENT OF TRANSPORTATION (“Department”),
An agency of the Commonwealth of Virginia:**

Virginia Department of Transportation
Attention: Chief Engineer
1401 East Broad Street
Richmond, VA 23219

DESIGN-BUILDER:

PROJECT

Request for Proposals
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County/City, Virginia
Project No. (Insert)
PPMS (Insert)

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Request for Proposals
Part 3
Lump Sum Agreement
Date (Insert)

Project Name (Insert)
County/City, Virginia
Project No. (Insert)
PPMS (Insert)

In consideration of the mutual covenants and obligations contained herein, Department and Design-Builder agree as set forth herein.

Article 1

Scope of Work

1.1 Design-Builder shall perform all design and construction services, and provide all material, equipment, tools and labor, necessary to complete the Work described in and reasonably inferable from the Contract Documents.

Article 2

Contract Documents

2.1 The Contract Documents are comprised of the following:

2.1.1 All written modifications, amendments and work orders to this Agreement issued in accordance with *General Conditions of Contract Between Department and Design-Builder* (“General Conditions of Contract”);

2.1.2 This Agreement (Part 3), executed by Department and Design-Builder, inclusive of all Exhibits;

2.1.3 General Conditions of Contract (Part 4);

2.1.4 Division I Amendments (Part 5) to Standard Specifications, dated _____ (“Division I Amendments”);

2.1.5 Construction Documents prepared and approved in accordance with Section 2.4 of the General Conditions of Contract;

2.1.6 Design Builder’s Deviation List;

2.1.7 Department’s Request for Proposals dated _____ (“RFP”), including all Addenda [List Addenda by number and date];

.1 Part 1 – Instructions for Offerors

.2 Part 2 – Project Technical Information and Requirements, including RFP Information Package, and

2.1.8 Design-Builder’s Proposal submitted in response to RFP, including all final modifications [List Modifications by number and date].

Article 3

Interpretation and Intent

3.1 The Contract Documents are intended to permit the parties to complete the Work and all obligations required by the Contract Documents within the Contract Time(s) for the Contract Price. The Contract Documents are intended to be complementary and interpreted in harmony so as to avoid conflict, with words and phrases interpreted in a manner consistent with construction and design industry standards. In the event of any inconsistency, conflict, or ambiguity between or among the Contract Documents, the Contract Documents shall take precedence in the order in which they are listed in Section 2.1 hereof, provided, however, that Parts 3, 4 and 5 of the RFP shall be deemed superseded by the documents set forth in Sections 2.1.2 through 2.1.4 hereof.

3.2 Terms, words and phrases used in the Contract Documents, including this Agreement, shall have the meanings given them in this Agreement and the General Conditions of Contract.

3.3 The Contract Documents form the entire agreement between Department and Design-Builder with respect to its subject matter and by incorporation herein are as fully binding on the parties as if repeated herein. The parties have made no oral representations or other agreements, except as specifically stated in the Contract Documents.

Article 4

Ownership of Work Product

4.1 **Work Product Defined.** The term “**Work Product**” is intended to include all drawings, specifications, calculations, reports, and documentation, whether in paper copy or electronic format, produced by or through Design-Builder that is furnished to Department.

4.2 **Ownership of Work Product.** Department shall own all rights, title and interest in the Work Product upon its receipt of such Work Product. Department’s ownership rights, include without restriction or limitation, the right of the Department, and anyone contracting with Department, to incorporate any ideas or information from the Work Product into: (a) any other contract awarded in reference to the Project; or (b) any subsequent procurement by Department on another project. In receiving all rights, title and interest in the Work Product, Department is deemed to own all intellectual property rights, copyrights, patents, trade secrets, trademarks, and service

marks in Work Product, and Design-Builder agrees that it shall, at the request of Department, execute all papers and perform all other acts that may be necessary (if any) to ensure that Department's rights, title and interest in the Work Product are protected. The rights conferred herein to Department include, without limitation, Department's ability to use the Work Product without the obligation to notify or seek permission from Design-Builder.

4.3 Use of Work Product at Department's Risk. The Department's use of the Work Product on any subsequent procurement by Department on another project shall be at Department's sole risk, and Design-Builder neither warrants nor represents that the Work Product is suitable for use on another project without modification. The Department waives any rights to seek recovery from Design-Builder for any claims, damages, liabilities, losses and expenses arising out of or resulting from the Department's use of the Work Product on another project.

Article 5

Contract Time

5.1 Date of Commencement. The Work shall commence upon Design-Builder's receipt of Department's Notice to Proceed or the date set forth in the Notice to Proceed ("**Date of Commencement**"), unless the parties mutually agree otherwise in writing. The Department will issue a Notice to Proceed within fifteen (15) days after the Agreement Date, unless the parties mutually agree otherwise in writing.

5.2 Completion Dates (TO BE MODIFIED AS THE COMMERCIAL DEAL IS FINALIZED)

5.2.1 Substantial Completion Dates. The Design-Builder shall complete the Work and it shall be open for traffic on _____ (shall be the date set forth in Section _____ of Part 1 of this RFP) (the "**Substantial Completion Date**").

5.2.2 Interim Milestone Dates. Interim Milestones and/or Substantial Completion of identified portions of the Work shall be achieved as follows by the dates specified below ("**Interim Milestone Dates**"): *(Insert any interim milestones for portions of the Work with different scheduled dates for Substantial Completion)*

5.3 Final Completion. Final Completion of the Work, and any part thereof, shall be achieved as expeditiously as reasonably practicable, but in no event later than sixty (60) days after Substantial Completion of the Work or designated part of the Work (the last day of such sixty day period being referred to as the "**Final Completion Date**").

5.4 Adjustments. All of the scheduled completion dates set forth in Section 5.2 through 5.3 above (collectively referred to as “**Contract Times**”) shall be subject to adjustment in accordance with the General Conditions of Contract.

5.5 Time is of the Essence. Department and Design-Builder mutually agree that time is of the essence with respect to the Contract Times.

5.6. Liquidated Damages. Design-Builder understands that if the Contract Times are not attained, Department will suffer damages which are difficult to determine and accurately specify. To compensate Department for such damages, Design-Builder hereby agrees as follows:

5.6.1 If Substantial Completion of the Work is not attained by the Substantial Completion Date, Designer-Builder shall pay Department _____ Dollars (\$_____) as liquidated damages for each day that actual Substantial Completion of the Work extends beyond the Substantial Completion Date.

5.6.2 If Interim Milestone(s) are not attained by the Interim Milestone Date(s), Designer-Builder shall pay Department _____ Dollars (\$_____) as liquidated damages for each day that each Interim Contract Milestone(s) extends beyond the Interim Milestone Date.

5.6.3 If Final Completion is not attained by the Final Completion Date, Designer-Builder shall pay Department _____ Dollars (\$_____) as liquidated damages for each day that Final Completion extends beyond the Final Completion Date.

5.7 Liquidated Damages Not Penalty. The parties acknowledge, recognize and agree on the following:

5.7.1 that because of the unique nature of the Project, it is difficult or impossible to determine with precision the amount of damages that would or might be incurred by Department as a result of Design-Builder’s failure to complete the Work on or before the applicable Contract Time(s);

5.7.2 that any sums which would be payable under this Article 5 are in the nature of liquidated damages, and not a penalty, and are fair and reasonable and such payment represents a reasonable estimate of fair compensation for the losses that may reasonably be anticipated from such failure; and

5.7.3 that any sums which would be payable herein shall be in lieu of all liability for any and all extra costs, losses, expenses, claims, penalties and any other damages, whether special or

consequential, and of whatsoever nature incurred by Department which are occasioned by any delay in achieving the applicable Contract Times for the above-referenced Work. Notwithstanding the above, liquidated damages are not intended to excuse Design-Builder from liability for any other breach of its obligations under the Contract Documents.

5.8 Early Completion Bonus. If Substantial Completion of the entire Work is attained on or before the Substantial Completion Date (such earlier date being referred to as the “**Bonus Date**”), the Department shall pay the Design-Builder at the time of Final Payment under Section 7.3 hereof an early completion bonus of _____ Dollars (\$ _____) (the “**Early Completion Bonus**”) for each day that Substantial Completion is attained earlier than the Bonus Date, except that the Early Completion Bonus shall not exceed _____ Dollars (\$ _____). Further, the parties acknowledge, recognize, and agree, that in order to qualify for the Early Completion Bonus, the Design-Builder must notify the Department by _____ and provide a general release executed by the Design-Builder waiving all claims, except those claims previously made in writing to Department and remaining unsettled at the time of Final Payment, which claims shall be specifically listed in an attachment to the general release.

Article 6

Contract Price

6.1 Contract Price. Department shall pay Design-Builder in accordance with Article 6 of the General Conditions of Contract the sum of _____ Million _____ Thousand and 00/100 Dollars (\$ _____) (“**Contract Price**”), subject to adjustments made in accordance with the General Conditions of Contract. Unless otherwise provided in the Contract Documents, the Contract Price is deemed to include all sales, use, consumer and other taxes mandated by applicable Legal Requirements.

6.2 Markups for Changes. If the Contract Price requires an adjustment due to changes in the Work, and the cost of such changes is determined under Section 9.4.1 of the General Conditions of Contract, markups shall be allowed on such changes in accordance with requirements of Section 109.05 of the Division I Amendments to the Standard Specifications.

6.3 Adjustments to Asphalt, Fuel and Steel. Department and Design-Builder agree to adjust prices for asphalt, fuel and steel, in accordance with the Department’s pertinent special provisions, attached hereto as Exhibits 6.3(a), 6.3(b), 6.3(c), 6.3(d), and 6.3(e) provided Design-Builder declares its intent, in the Price Proposal, to use the provisions for price adjustments, and also submits the information required in the pertinent special provisions with its Proposal. Notwithstanding the special provisions, price adjustments for asphalt, fuel and steel will be based on the quantities

identified in the work packages in Design-Builder's Proposal, which quantities shall be specifically summarized and provided in Design-Builder's Price Proposal. Actual quantities shall be monitored and documented by Design-Builder, and submitted to Department in the monthly report required by Section 11.1.8 below, on forms provided by Department.

Article 7

Procedure for Payment

7.1 Progress Payments

7.1.1 Design-Builder shall submit to Department on the tenth (10th) day of each month, beginning with the first month after the Date of Commencement, Design-Builder's Application for Payment in accordance with Article 6 of the General Conditions of Contract.

7.1.2 Department shall make payment within thirty (30) days after Department's receipt of each properly submitted and accurate Application for Payment in accordance with Article 6 of the General Conditions of Contract, but in each case less the total of payments previously made, and less amounts properly withheld under Section 6.3 of the General Conditions of Contract. Department's payment shall comply with VA. CODE §2.2-4347, et seq., which addresses prompt payment.

7.1.3 Pursuant to VA. CODE §2.2-4354, Design-Builder agrees that, within seven (7) days following receipt of monies from the Department for work performed by any Subcontractor, Design-Builder shall either: (a) pay the Subcontractor for the proportionate share of the total payment received from the Department attributable to the work performed by the Subcontractor; or (b) notify the Department and Subcontractor, in writing, of Design-Builder's intention to withhold all or a part of the Subcontractor's payment, specifying the reason for the non-payment. Design-Builder also agrees that it shall include in all of its subcontracts a provision that: (a) obligates Design-Builder to pay interest to Subcontractors on all amounts owed by Design-Builder that remain unpaid after seven (7) days following receipt of monies from the Department for work performed by any Subcontractor, except for amounts withheld as allowed in the preceding sentence; (b) states, "Unless otherwise provided under the terms of this contract, interest shall accrue at the rate of one percent per month."; and (c) obligates each Subcontractor to include or otherwise be subject to the same payment and interest requirements as specified in this Section 7.1.3 with respect to each lower-tier Sub-subcontractor.

7.1.4 Design-Builder's obligations to pay an interest charge to a Subcontractor pursuant to Section 7.1.3 shall not be construed to be an obligation of the Department, nor shall any modification to this Agreement be allowed for the purpose of providing reimbursement for the interest charge. Cost reimbursement claims shall not include any amount for reimbursement for the interest charge.

7.1.5 Pursuant to VA. CODE §2.2-4354, Design-Builder agrees to provide the Department, within five (5) days of the Agreement Date, its federal employer identification number.

7.2 **Retainage on Progress Payments.** Department will retain five percent (5%) of each Application for Payment provided, however, that when fifty percent (50%) of the Work has been satisfactorily completed by Design-Builder, Department will not retain any additional amounts from Design-Builder's subsequent Applications for Payment if, in Department's sole discretion, Design-Builder is in compliance with its contractual obligations.

7.3 **Final Payment.** Design-Builder shall submit its Final Application for Payment to Department in accordance with Section 6.7 of the General Conditions of Contract. Department shall make payment on Design-Builder's properly submitted and accurate Final Application for Payment within thirty (30) days after Department's receipt of the Final Application for Payment, provided that Design-Builder has satisfied the requirements for Final Payment set forth in Section 6.7.2 of the General Conditions of Contract. Department's payment shall comply with VA. CODE §2.2-4347 et seq. dealing with prompt payment.

7.4 **Interest.** Payments due and unpaid by Department to Design-Builder, whether progress payments or Final Payment, shall bear interest commencing seven (7) days after payment is due in accordance with VA. CODE §2.2-4355.

7.5 **Record Maintenance and Retention of Records.** Design-Builder shall keep full and detailed accounts and exercise such controls as may be necessary for proper financial management, using accounting and control systems in accordance with generally accepted accounting principles and as may be provided in the Contract Documents. During the performance of the Work and for a period of three (3) years after Final Payment, Department and Department's accountants shall be afforded access from time-to-time, upon reasonable notice, to Design-Builder's records, books, correspondence, receipts, subcontracts, purchase orders, vouchers, memoranda and other data, including but not limited to electronic schedules and other electronic data (all collectively referred to as "Books and Records") relating to: (a) changes in the Work performed on a cost basis; or (b) any request by Design-Builder for an adjustment in the Contract Price or Contract Times. Design-Builder shall preserve all of its Books and Records for a period of three (3) years after Final Payment.

Article 8

Termination for Convenience

8.1 Upon ten (10) days written notice to Design-Builder, Department may, for its convenience and without cause, elect to terminate all or part of the Work if Department, in its sole discretion, determines that such a termination is in the Department’s best interests. The Department shall notify Design-Builder of the decision to terminate by delivering to Design-Builder a written notice of termination specifying the extent of termination and its effective date (a “**Notice of Termination**”).

8.1.1 If Department terminates all of the Work for convenience before issuing a Notice to Proceed, Design-Builder agrees that it shall have no right to recover any monies from Department, other than the payment described in Section 8.3.3 of Part 1 of the RFP. Design-Builder specifically waives any and all rights to claim from the Department for any cost, profit, overhead contribution or any other monetary relief associated with the Contract Documents or Project, including but not limited to bid and proposal costs, or any services that might have constituted Work under the Contract Documents.

8.1.2 If Department terminates all or part of the Work for convenience after issuing a Notice to Proceed, then Sections 8.2 through 8.8 below shall apply.

8.2 After receipt of a Notice of Termination, and except as directed by Department, Design-Builder shall immediately proceed as follows, regardless of any delay in determining or adjusting any amounts due under this Article 8:

8.2.1 Stop Work as specified in the notice;

8.2.2 Enter into no further Subcontracts and place no further orders for materials, services or facilities, except as necessary to complete the continued portion of the Work, if any, or for mitigation of damages;

8.2.3 Unless instructed otherwise by Department, terminate all Subcontracts to the extent they relate to the Work terminated and except to the extent that continuation of the Subcontract is necessary in order to mitigate damages;

8.2.4 Assign to Department or its designee in the manner, at the times, and to the extent directed by Department, all of the right, title, and interest of Design-Builder under the Subcontracts so terminated, in which case Department will have the right, in its sole discretion, to accept performance, settle or pay any or all claims under or arising out of the termination of such Subcontracts;

8.2.5 Settle outstanding liabilities and claims arising out of such termination of Subcontracts, with the approval or ratification of Department, to the extent it may require, which approval or ratification shall be final;

8.2.6 Transfer and deliver to Department or its designee, as directed by Department: (a) possession and control of the Project; and (b) all right, title and interest of Design-Builder in and to: (i) the Work in process, completed Work, supplies and other materials produced or acquired for the Work terminated; (ii) the Construction Documents and all other completed or partially completed drawings (including plans, elevations, sections, details and diagrams), specifications, records, reports, books, samples, information and other Work Product that would have been required to be furnished to Department if the Work had been completed; and (iii) all intellectual property developed specifically for the Project; provided, however, that in the event of such transfer, the Design-Builder shall not be liable for any warranties for Work which has not achieved Substantial Completion, nor shall the Design-Builder have any liability with respect to any design materials produced with respect to the Project;

8.2.7 Complete performance in accordance with the Contract Documents of all Work not terminated;

8.2.8 Take all action that may be necessary, or that Department may direct, for the protection and preservation of the property related to the Contract Documents that is in the possession of Design-Builder and in which Department has or may acquire an interest; and

8.2.9 As authorized by Department, use its best efforts to sell at fair market value any property of the types referred to in Section 8.3; provided, however, that Design-Builder: (a) shall not take any such action with respect to any items for which title has previously transferred to Department; (b) is not required to extend credit to any purchaser; and (c) may acquire the property itself, under the conditions prescribed and at prices approved by Department. The proceeds of any transfer or disposition will be applied to reduce any payments to be made by Department under the Contract Documents or paid in any other manner directed by Department.

8.3 **Inventory.** Design-Builder shall submit to Department a list of termination inventory not previously disposed of and excluding items authorized for disposition by Department; and within thirty (30) days of receipt of the list, Design-Builder shall deliver such inventory to Department and Department shall accept title to such inventory as appropriate.

8.4 **Settlement Proposal.** After termination, Design-Builder shall submit a final termination settlement proposal to Department in the form and with the certification prescribed by Department. Design-Builder shall submit the proposal promptly, but no later than thirty (30) days from the effective date of termination unless Design-Builder has requested a time extension in writing within such 30-day period and Department has agreed in writing to allow such an extension.

8.5 Amount of Termination Settlement. Design-Builder and Department shall negotiate in good faith to reach agreement on the settlement amount to be paid to Design-Builder by reason of the termination of Work pursuant to this Article 8 and any such settlement shall be subject to the provisions of the Code of Virginia §2.2-514. Such negotiated settlement shall include an allowance for profit solely on Work that has been performed as of the termination date. Such agreed amount or amounts payable for the terminated Work, exclusive of demobilization costs and other shut-down costs, shall not exceed the total Contract Price as reduced by the Contract Price of Work not performed. Upon determination of the settlement amount, this Agreement will be amended accordingly, and Design-Builder will be paid the agreed amount as described in this Section 8.5. Department's execution and delivery of any settlement agreement shall not be deemed to affect any of its rights with respect to compliance of the Work which has achieved Substantial Completion with all applicable Contract requirements or any of its rights under payment and performance bonds or any of its rights against Subcontractors.

8.6 No Agreement as to Amount of Claim. In the event of failure of Design-Builder and Department to agree upon the amount to be paid Design-Builder by reason of the termination of Work pursuant to this Article 8, the amount payable (exclusive of interest charges) shall be determined in accordance with the dispute resolution procedures of the General Conditions.

8.7 Reduction in Amount of Claim. The amount otherwise due Design-Builder under this Article 8 shall be reduced by: (a) the amount of any valid claim which Department may have against Design-Builder in connection with this Agreement; and (b) the agreed price for, or the proceeds of sale of, materials, supplies or other things previously paid for by the Department and to be retained by Design-Builder or sold by the Design-Builder (with the proceeds being retained by the Design-Builder), pursuant to the provisions of this Article 8.

8.8 Payment. Department may, from time-to-time, under such terms and conditions as it may prescribe and in its sole discretion, make partial payments on account against costs incurred by Design-Builder in connection with the terminated portion of this Agreement, whenever in the opinion of Department the aggregate of such payments shall be within the amount to which Design-Builder will be entitled hereunder. If the total of such payments is in excess of the amount finally agreed or determined to be due under this Article 8, such excess shall be payable by Design-Builder to Department upon demand together with interest at a variable rate per annum equal to the reference rate announced by Bank of America, N.A., from time-to-time, plus one percent (1%).

8.9 Inclusion in Subcontracts. Design-Builder shall insert in all Subcontracts that the Subcontractor shall stop Work on the date of and to the extent specified in a Notice of Termination from Department and shall require that Subcontractors insert the same provision in each Subcontract at all tiers. Design-Builder shall communicate, immediately upon receipt thereof, any Notice of

Termination issued by Department to all affected Subcontractors.

8.10 No Consequential Damages. In the event of a termination for convenience under this Article 8, Design-Builder acknowledges and agrees that it shall not be entitled to any compensation in excess of the value of the Work performed plus its settlement and closeout costs. Under no circumstances shall Design-Builder or any Subcontractor be entitled to anticipatory or unearned profits, unabsorbed overhead, opportunity costs, or consequential or other damages as a result of a termination for convenience under this Article 8. The payment to Design-Builder determined in accordance with this Article 8 constitutes Design-Builder's exclusive remedy for a termination hereunder.

8.11 No Waiver. Anything contained in this Agreement to the contrary notwithstanding, a termination under this Article 8 shall not waive any right or claim to damages which Department may have with respect to Work which has achieved Substantial Completion prior to the date of termination, and Department may pursue any cause of action which it may have by law or under this Agreement on account of such completed Work. The Design-Builder makes no warranties with respect to Work which has not achieved Substantial Completion prior to the date of termination. Department's termination of this Agreement shall not relieve any rights Department has under any performance bonds issued on the Project.

8.12 Dispute Resolution. The failure of the parties to agree on amounts due under Article 8 shall be a dispute to be resolved in accordance with the requirements of the General Conditions, Article 10.

8.13 Right to Use Work Product. If Department terminates this Agreement pursuant to this Article 8, Department's rights to use the Work Product shall be as set forth in Article 4 hereof.

Article 9

Representatives of the Parties

9.1 Department's Representatives

9.1.1 Department designates the individual listed below as its Senior Representative ("Department's Senior Representative"), which individual has the authority and responsibility for avoiding and resolving disputes under Section 10.2.2 of the General Conditions of Contract:

9.1.2 Department designates the individual listed below as its Department's Representative, which individual has the authority and responsibility set forth in Section 3.4 of the General Conditions of Contract:

9.2 Design-Builder's Representatives

9.2.1 Design-Builder designates the individual listed below as its Senior Representative ("Design-Builder's Senior Representative"), which individual has the authority and responsibility for avoiding and resolving disputes under Section 10.2.2 of the General Conditions of Contract:

9.2.2 Design-Builder designates the individual listed below as its Design-Builder's Representative, which individual has the authority and responsibility set forth in Section 2.1.1 of the General Conditions of Contract:

9.3 The Department and Design-Builder shall, in the spirit of cooperation, exchange information in a timely manner. While the Contract Documents establish a timeline and process for making decisions and managing communications on the Project, the parties recognize it is not possible to specify processes for all activities that may occur. The parties shall communicate in a manner consistent with the principles of the Department Construction Directive Memorandum *Communication on Construction Projects, Process for Field Decision Making*, CD-2004-1, noting however that many of the responsibilities and duties traditionally completed by the Department are allocated to Design-Builder within these Contract Documents.

Article 10

Bonds and Insurance

10.1 Insurance. Design-Builder shall procure and maintain insurance in accordance with the Contract Documents, including Article 5 of the General Conditions of Contract and Division I Amendments.

10.2 Performance and Payment Bonds. Design-Builder shall procure and maintain performance and payment bonds executed by a surety acceptable to Department, each in the amount of one hundred percent (100%) of the Contract Price, and in accordance with all other requirements of the Contract Documents, including the Division I Amendments.

Article 11

Other Provisions

11.1 Project Management and Reporting Requirements

11.1.1 Proposal Schedule. Attachment 11.1.1 sets forth Design-Builder's Critical Path Method

(CPM) schedule for executing the Work, as submitted in Design-Builder’s Proposal. This schedule shall be the basis for monitoring Design-Builder’s performance of the Work until such time as a Baseline Schedule has been approved by Department in accordance with Section 11.1.2 below.

11.1.2 Baseline Schedule. Within ninety (90) days of the Date of Commencement, Design-Builder shall submit to Department, for its review and approval, a CPM schedule that includes, among other things: (a) the order in which Design-Builder proposes to carry out the Work (including each stage of design, right-of-way acquisition, Governmental Approvals (including but not limited to permit acquisition), procurement, manufacture, delivery to Site, construction, inspection and testing); and (b) the times when submissions and approvals or consents by Department are required (provided, however, that such times shall be no less than the Department’s minimum review duration identified in Section 3.1 of the General Conditions of Contract). This schedule shall be resource-loaded, broken down into work packages that are consistent with the Work Breakdown Structure submitted in Design-Builder’s Proposal, and in deliverables generally completed within thirty (30) days, with the dollar value (price) of each deliverable being identified. If Department does not approve such submission, Design-Builder shall resubmit a revised schedule to Department within seven (7) days of its receipt of Department’s comments on such schedule. This process shall continue until such time as a schedule is so approved by Department (“**Baseline Schedule**”), and the payment schedule is so approved by Department (“**Earned Value Schedule**”) as referenced in Section 6.1 of General Conditions of Contract (Part 4). Department reserves the right to withhold approval for all or part of Design-Builder’s Applications for Payment until such time Design-Builder furnishes an approved Baseline Schedule.

11.1.3 Schedule Updates. As part of, and in conjunction with, the monthly reports required by Section 11.1.8., Design-Builder shall provide Department with any proposed update of the Baseline Schedule for Department’s review and approval and a progress narrative that describes, as a minimum, the overall progress for the preceding month, a critical path analysis, a discussion of problems encountered and proposed solutions thereof, work calendars, constraints, delays experienced and any pending Time Impact Analysis (“**TIA**”), float consumption as a result of either Department and/or Design-Builder delays, documentation of any logic changes, duration changes, resource changes or other relevant changes. The monthly progress narrative shall also include the following:

.1 Comparisons of actual and planned progress, including: (i) illustrating schedule variance graphically by plotting the Budgeted Cost of Work Performed (“**BCWP**”) and the Budgeted Cost of Work Scheduled (“**BCWS**”); and (ii) reporting the Schedule Performance Index (“**SPI**”), defined as the ratio of BCWP divided by BCWS; and

.2 Statement by the Design-Builder that this is the only schedule being executed to perform the Work; and

.3 Details of any aspects of the Work which may jeopardize the completion in accordance with the Contract Documents; and

.4 Measures being (or to be) adopted to overcome such aspects and a list of approvals needed to adopt such measures.

If Department believes that the Baseline Schedule needs a specific revision, either in logic, activity duration, manpower or cost, it will be requested from Design-Builder in writing. Design-Builder shall respond in writing within seven (7) days, either agreeing with Department's proposed revision, and henceforth including it in the next Baseline Schedule update, or providing justification why it should not be accomplished. If revisions cannot be agreed upon either through written correspondence or subsequent meetings, Department and Design-Builder shall agree to attempt to resolve the issues through a TIA submission as described in Section 8.3 of the General Conditions of Contract or the dispute resolution process of Article 10 in the General Conditions of Contract. If the Department and the Design-Builder cannot agree on the TIA, the Design-Builder shall proceed under the previously approved Baseline Schedule. At no time shall Design-Builder continue to reflect items of non-concurrence from Department in Baseline Schedule updates.

11.1.4 Schedule Format. Design-Builder shall submit two (2) copies in electronic format of the Baseline Schedule, including updates and narratives. A CD-ROM containing the latest Baseline Schedule update in electronic format shall be submitted for each schedule iteration along with two (2) color coded plots of the current Time Scaled Logic Diagram, which shall be neatly organized and plotted time scaled from left to right on 24"x36" sheets with suitable notation relating the interface points among sheets. Time Scaled Logic Diagrams shall clearly depict the critical path, as well as activity identifications, activity descriptions, original durations, early start, early finish, late start, late finish, and actual dates as applicable. This process shall continue until Final Completion. The first day of the month ("data date") of each Baseline Schedule update shall coincide with Design-Builder's Application for Payment. Design-Builder shall use Primavera Engineering and Construction software as the format for the Baseline Schedule and all updates. Design-Builder shall also provide two (2) licenses with maintenance agreements covering the entire Contract duration from Primavera to Department to enable it to access and analyze all such schedules.

11.1.5 Other Information and Alteration. Design-Builder shall, whenever required by Department, provide in writing a general description of the arrangements and methods which Design-Builder proposes to adopt for the execution of the Work. No significant alteration to the Baseline Schedule, or to such arrangements and methods, shall be made without informing

Department and any alterations made shall reflect the requirement for coordination of the Work with the actions and obligations of Department and the work to be carried out by Department's Separate Contractors. If any alteration affects any such actions, obligations or Work, it shall not be made without the prior approval of Department. If the progress of the Work does not conform to the Baseline Schedule, as updated herein, Department may instruct Design-Builder to revise the Baseline Schedule, showing the modifications necessary to achieve completion within the Contract Times.

11.1.6 Department's Separate Contractors. Design-Builder agrees to include the activities of Department's Separate Contractors into the Baseline Schedule. Design-Builder shall reasonably cooperate with Department's Separate Contractors and coordinate its activities with those of such Separate Contractors so that the Project can be completed in an orderly and coordinated manner without unreasonable disruption.

11.1.7 Department's Review and Approval of Baseline Schedule. Department's review and approval of the Baseline Schedule or subsequent updates shall not be construed as relieving Design-Builder of its complete and exclusive control and responsibility over the means, methods, sequences and techniques for executing the Work and does not constitute approval or acceptance of Design-Builder's ability to complete the Work within the Contract Time(s).

11.1.8 Monthly Reports. Monthly reports shall be prepared by Design-Builder and submitted to Department in six (6) copies. The first report shall cover the period up to the end of the calendar month after that in which the Agreement Date occurred; reports shall be submitted monthly thereafter, on or before the tenth (10th) day of each month. Reporting shall continue until Department's determination that the Project has achieved Final Completion. Each report shall include:

.1 Photographs and detailed descriptions of progress, including each stage of design, right-of-way acquisition, Governmental Approvals (including but not limited to permit acquisition), procurement, delivery to Site, and construction;

.2 Charts showing the status of all design documents, purchase orders, right-of-way acquisition, Governmental Approvals (including but not limited to permit acquisition) and construction;

.3 Records of personnel and Design-Builder's equipment;

.4 Copies of quality assurance documents, and test results;

.5 Safety statistics, including details of any hazardous incidents and activities relating to environmental aspects and public relations;

.6 Status of approvals for Governmental Approvals, as required by Section 2.6.1 of the General Conditions of Contract;

.7 Monthly updates to the Baseline Schedule and the narrative as set forth in Section 11.1.3 above;

.8 Unresolved claims or disputes that involve requests for extension to the Contract Time(s) or adjustment to any other date or milestone set forth in the Contract Documents or increases in the Contract Price;

.9 All required EEO documentation for federal-aid projects;

.10 Weekly work zone safety reviews, on Department-provided forms;

.11 Erosion & Sediment Control Reports, on Department-provided forms; and

.12 Actual quantities for fuel, asphalt and steel, on Department-provided forms. referenced in Section 11.3.1 herein.

Failure of Design-Builder to provide complete monthly reports, including but not limited to the monthly schedule updates, shall be grounds for Department to withhold approval for all or part of Design-Builder's Applications for Payment until such time Design-Builder furnishes such complete reports.

11.1.9 Correspondence. Design-Builder shall organize and maintain its correspondence in a manner that allows such correspondence to be filed by work packages. If the correspondence relates to changes in the Work, only one work package shall be referenced in such correspondence. As a condition of Final Payment, Design-Builder shall provide Department with a complete set of all correspondence by and between Design-Builder and Department exchanged on the Project.

11.2 Miscellaneous

11.2.1 In executing this Agreement, Department and Design-Builder each individually represents that it has the necessary financial resources to fulfill its obligations under this Agreement, and each has the necessary approvals to execute this Agreement and to perform the services and obligations described herein.

Request for Proposals
Part 3
Lump Sum Agreement
Date (Insert)

Project Name (Insert)
County/City, Virginia
Project No. (Insert)
PPMS (Insert)

11.2.2 The parties acknowledge that as of the Agreement Date, the Virginia General Assembly has appropriated, and the Commonwealth Transportation Board (“CTB”) has allocated, funding for the Project, and the Department’s obligation to pay the Contract Price for the Work is subject to the appropriations and allocations.

Request for Proposals
Part 3
Lump Sum Agreement
Date (Insert)

Project Name (Insert)
County/City, Virginia
Project No. (Insert)
PPMS (Insert)

11.3 Exhibits

11.3.1 The following exhibits are specifically made part of, and incorporated by reference into, this Agreement:

- EXHIBIT 6.3(a) -- ADJUSTMENT FOR ASPHALT
- EXHIBIT 6.3(b) -- FORM C-16a (PRICE ADJUSTMENT FOR ASPHALT)
- EXHIBIT 6.3(c) -- FORM C-21M (ASPHALT ADJUSTMENT FOR FUEL)
- EXHIBIT 6.3(d) -- ADJUSTMENT FOR FUEL
- EXHIBIT 6.3(e) -- ADJUSTMENT FOR STEEL

Original with signatures on file in the Innovative Project Delivery Division.

DEPARTMENT:

DESIGN-BUILDER:

Virginia Department of Transportation
(Name of Department)

(Name of Design-Builder)

(Signature)

(Signature)

(Printed Name)

(Printed Name)

Chief Engineer
(Title)

(Title)

Date: _____

Date: _____

END OF PART 3
LUMP SUM DESIGN-BUILD AGREEMENT