Design Build Construction Quality Improvement Program

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ACP001	Road and Bridge Specifications	315	Asphalt Concrete Pavement	Has the longitudinal joint of each layer been offset approximately 6 inches or as specified?	Y		Y		Y		
ACP002	Road and Bridge Specifications	315	Asphalt Concrete Pavement	In areas not accessible to rollers, has the material been compacted as required?	Y		Y		Y		
ACP003	Road and Bridge Specifications	315	Asphalt Concrete Pavement	Are the edges of the pavement surface true curves or tangents as required?	Y		Y		Y		
ACP004	Road and Bridge Specifications	315	Asphalt Concrete Pavement	Are the surfaces of the compacted courses protected until the material has cooled sufficiently to support traffic without marring?	Y		Y		Y		
ACP005	Road and Bridge Specifications	315	Asphalt Concrete Pavement	Has QC performed the required testing at the required frequency and verified passing compaction limits and then recorded them in their files. Does the density of the compacted course meet the requirements as specified?			Y	Y	Y		
ACP006	Road and Bridge Specifications	315	Asphalt Concrete Pavement	Did the Contractor furnish and operate a nuclear density gage, which had been calibrated within the previous 12 months by an approved calibration service, in accordance with the requirements of this section?	Y		Y		Y		
ACP007	Road and Bridge Specifications	315	Asphalt Concrete Pavement	Has a control strip been constructed for each roadway, shoulder course, and each lift of each course as required?	Y		Y		Y		
ACP008	Road and Bridge Specifications	315	Asphalt Concrete Pavement	Have the required number of density tests been taken by the Contractor on specified courses?			Y	Y	Y		
ACP009	Road and Bridge Specifications	315	Asphalt Concrete Pavement	Has a transverse joint been cut on the previous run as required?	Y		Y		Y		
ACP010	Road and Bridge Specifications	315	Asphalt Concrete Pavement	Has tack coat been placed along the longitudinal and Transverse joints as required?	Y		Y		Y		
ACP011	Road and Bridge Specifications	315	Asphalt Concrete Pavement	Have joints adjacent to curbs, gutters, or adjoining pavement been set up to a height sufficient to receive full compression under the rollers?	Y		Y		Y		
ACP012	Road and Bridge Specifications	315	Asphalt Concrete Pavement	Has QA/QC verified that testing samples have been cut and verified as required, and has material been replaced as required?			Y	Y	Y		
ACP013	Road and Bridge Specifications	315.03(b)	Asphalt Concrete Pavement	Does the asphalt paver produce a finished surface as required?	Y		Y		Y		
ACP014	Road and Bridge Specifications	315.03(c)	Asphalt Concrete Pavement	Do the rollers leave the surface in an acceptable condition?	Y		Y		Y		
ACP015	Road and Bridge Specifications	315.04	Asphalt Concrete Pavement	Were the weather and surface conditions during placement of the asphalt mixture as required?	Y		Y		Y		
ACP016	Road and Bridge Specifications	315.05(b)	Asphalt Concrete Pavement	Have longitudinal and transverse cracks in hydraulic cement concrete been sealed prior to placement of asphalt?	Y		Y		Y		
ACP017	Road and Bridge Specifications	315.05(b)	Asphalt Concrete Pavement	Have all contact surfaces and cold joints of asphalt been painted as required prior to asphalt placement?	Y		Y		Y		
ACP018	Road and Bridge Specifications	315.05(b)	Asphalt Concrete Pavement	Has a tack or prime coat of asphalt been applied as required in the Contract and QA Manual?	Y		Y		Y		
ACP019	Road and Bridge Specifications	315.05(c)	Asphalt Concrete Pavement	Has a continuous line been maintained to control pavement width and alignment?	Y		Y		Y		
ACP020		QA/QC Plan	Asphalt Concrete Pavement	Has all QA/QC tests been performed and recorded prior to payment of the work package regarding asphalt?				Y	Y		
APP001	Part 4	6.1.3	Application for Payment	Are progress payments less than or equal to the monthly payment schedule in the Proposal?				Y	Y		
APP002	Part 4	6.2.1	Application for Payment	Did the Design-Builder submit for Department's review and approval its accurate Application for Payment accompanied by all supporting documentation in a timely manner?				Y	Y		
APP003	Part 4	6.2.1.2	Application for Payment	Are Applications for Payment certified by the Quality Assurance Manager?				Y	Y		
ASO001	Road and Bridge Specifications	313.05	Asphalt Stabilized Open-Graded Material	Has the asphalt stabilized open-graded coarse been placed in accordance with the Contract requirements?	Y		Y		Y		
ASO002	Road and Bridge Specifications	313.05	Asphalt Stabilized Open-Graded Material	Has Asphalt Cement Stabilized Material not been cooled with water?	Y		Y		Y		

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ASO003		Contract	Asphalt Stabilized Open-Graded Material	Prior to placement of OGM has all subbase been tested by QA and QC and does the foundation meet all requirements?			Y	Y	Y		
ASO004		Contract	Asphalt Stabilized Open-Graded Material	Has QA/QC verified finished surface of the Asphalt Stabilized Open-Graded Material meets all contract requirements?			Y	Y	Y		
BCL001	Road and Bridge Specifications	419	Bridge Conduit & Lighting Systems	Is the appearance and operation of the bridge conduit and lighting system as required by the Contract Documents?	Y		Y		Y		
BCL002	Road and Bridge Specifications	419	Bridge Conduit & Lighting Systems	Have the materials for this work been tested or certified as specified in the materials section for electrical and signal components?	Y		Y		Y		
BCL003	Road and Bridge Specifications	419	Bridge Conduit & Lighting Systems	Did the Contractor advise the Engineer at least 48 hours prior to any anticipated de-energizing of the electrical systems?	Y			Y	Y		
BCL004	Road and Bridge Specifications	419	Bridge Conduit & Lighting Systems	Were conduits, fittings, and electrical items installed in accordance with the contract requirements?	Y		Y		Y		
BDA001	Road and Bridge Specifications	408	Bearing Devices & Anchors	Did the Contractor submit shop drawings for the Engineer's review prior to fabrication of TFE bearings?	Y			Y	Y		
BDA002	Road and Bridge Specifications	408	Bearing Devices & Anchors	Were the TFE bearings tested and certified in accordance with this section?	Y			Y	Y		
BDA003	Road and Bridge Specifications	408	Bearing Devices & Anchors	Were the bearing assemblies shipped and stored as units with the components of each completed bearing clearly identified?	Y		Y		Y		
BDA004	Road and Bridge Specifications	408	Bearing Devices & Anchors	Was each completed TFE bearing marked to indicate its location in each structure?	Y		Y		Y		
BDA005	Road and Bridge Specifications	408	Bearing Devices & Anchors	Was erection of structural steel for spans contiguous to each TFE bearing substantially completed prior to loading the bearing?	Y		Y		Y		
BDA006	Road and Bridge Specifications	408	Bearing Devices & Anchors	Was field welding of bearing plates performed as required in the contract documents?	Y		Y		Y		
BDA007	Road and Bridge Specifications	408	Bearing Devices & Anchors	Prior to assembling in place, was the steel surface on which self-lubricating bearing plates will bear cleaned of all coatings and thoroughly lubricated with the anti-oxidant lubricant furnished by the manufacturer?	Y		Y		Y		
BDA008	Road and Bridge Specifications	408	Bearing Devices & Anchors	Do the bearing plates or pads have uniform bearing over the entire area?	Y		Y		Y		
BDA009	Road and Bridge Specifications	408	Bearing Devices & Anchors	Were provisions made to keep the plates or pads in the correct position during erection of beams or placement of concrete?	Y		Y		Y		
BDA010	Road and Bridge Specifications	408	Bearing Devices & Anchors	Were masonry surfaces finished with a gritty texture prior to placing elastomeric pads and other flexible bearing materials?	Y		Y		Y		
BDA011	Road and Bridge Specifications	408	Bearing Devices & Anchors	Were metal bearing plates or bottoms of prefabricated beams that are to bear on elastomeric pads coated with an epoxy conforming to materials section for epoxy resin systems & then surfaced with a silicon carbide or aluminum oxide grit?	Y		Y		Y		
BDA012	Road and Bridge Specifications	408	Bearing Devices & Anchors	Were the rockers or other expansion devices centered and aligned so that the vertical axis will be vertical at 60 degrees F?	Y		Y		Y		
BDA013	Road and Bridge Specifications	408	Bearing Devices & Anchors	Have anchor bolts, nuts, and washers used with steel beams or girders been painted or galvanized?	Y		Y		Y		
BDA014	Road and Bridge Specifications	408	Bearing Devices & Anchors	Have anchor bolts, nuts, washers, bearing assemblies, and insert plates been galvanized when intended for use with concrete superstructure units?	Y		Y		Y		
BDA015	Road and Bridge Specifications	408	Bearing Devices & Anchors	Were the anchor bolts positioned to provide the required fit with bearing plates?	Y		Y		Y		
BDA016	Road and Bridge Specifications	408	Bearing Devices & Anchors	Were the anchors cast into the masonry and positioned by means of templates or other methods that will hold them securely in the correct position until concrete has set?	Y		Y		Y		
BDA017	Road and Bridge Specifications	408	Bearing Devices & Anchors	Did the method of setting allow for proper finishing of concrete bearing areas?	Y		Y		Y		
BDA018	Road and Bridge Specifications	408	Bearing Devices & Anchors	Was the full dead load applied and falsework removed before anchor assembly angles were attached to concrete beams?	Y		Y		Y		
BDA019	Road and Bridge Specifications	408	Bearing Devices & Anchors	Were concrete bearing seats prepared at the correct elevation and bush-hammered or dressed to the required flatness tolerances?	Y		Y		Y		

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BDA020	Road and Bridge Specifications	408	Bearing Devices & Anchors	Were the PTFE and polished stainless steel surfaces protected from blast abrasives and paint application during construction?	Y		Y		Y		
BEP001	Road and Bridge Specifications	403	Bearing Piles	Prior to driving piles, has the Contractor furnished the Engineer for approval the completed Pile and Driving Equipment Data Form for each proposed hammer and pile type combination as per the contract documents?	Y			Y	Y		
BEP002	Road and Bridge Specifications	403	Bearing Piles	If the wave Equation Analysis indicates the possibility of excessive stresses, did the Contractor submit to the Engineer proposed corrective measures for approval?	Y			Y	Y		
BEP003	Road and Bridge Specifications	403	Bearing Piles	Did QC record in their diaries the center of gravity measurements and calculations that verifies the center of gravity for the piles are within tolerance, or if not, were approved corrections documented and performed?			Y	Y	Y		
BEP004	Road and Bridge Specifications	403	Bearing Piles	Were all QA/QC documents on file regarding pile driving activities prior to associated activities being paid?				Y	Y		
BEP005	Road and Bridge Specifications	403	Bearing Piles	Have IA/IV performed verification of COG for piles as required?					Y		
BEP006	Road and Bridge Specifications	403	Bearing Piles	Were all piles driven to the required bearing capacity?	Y			Y	Y		
BEP007	Road and Bridge Specifications	403.06(e)	Bearing Piles	Did QA perform the required verification of center of gravity for piles and if the piles were not in accordance with the COG tolerances, verified that corrections were submitted and approved prior to driving?				Y	Y		
BEP008	Road and Bridge Specifications	403.07	Bearing Piles	Were all Pile driving Tests, load testing and refined wave equation analyses performed and recorded as per the Contract requirements?	Y			Y	Y		
CCM001	Part 4	Article 10	Contractor Contract Management	Has the Contractor submitted a written statement that clearly identifies intent to file a claim at the time of occurrence or beginning of the related work?	Y				Y		
CCM002	Part 4	Article 10	Contractor Contract Management	At the time of occurrence or prior to the beginning of the work, does the Contractor furnish the Engineer with an itemized list for which additional compensation will be claimed?	Y				Y		
CCM003	Part 4	Article 10	Contractor Contract Management	When documenting the claim, did the Contractor and the Engineer compare records and bring them into agreement at the end of each day?	Y				Y		
CCM004	Road and Bridge Specifications	105.03(a)	Contractor Contract Management	Has the Engineer had to suspend the work because the Contractor failed to carry out provisions of the contract?	Y				Y		
CCM005	Road and Bridge Specifications	105-107	Contractor Contract Management	Does the Contractor submit his shop and working drawings for timely review by the Designers to avoid delaying the work?	Y			Y	Y		
CCM006	Road and Bridge Specifications	105-107	Contractor Contract Management	Is the superintendent competent, capable of reading and understanding the plans and specifications, experienced in the type of work being performed, and have full authority to execute the orders and directions of the Engineer?	Y			Y	Y		
CCM007	Road and Bridge Specifications	106.08	Contractor Contract Management	Are fuels and lubricants stored outside of flood plains and are impoundments in place to contain accidental spills and prevent them from entering waterways?	Y		Y		Y		
CCM008	Road and Bridge Specifications	106.08	Contractor Contract Management	Does the Contractor have more than a total of 1320 gallons of petroleum products stored at the project (55-gallon containers and greater) and if so, does he have a SPCC Plan on site and adequate secondary containment for petroleum storage?	Y				Y		
CCS001	Road and Bridge Specifications	517	Contractor Construction Surveying	Has the Contractor provided to the Engineer a record copy of certified plats, survey drawings, field notes and computations, and stakeout information prior to use for all construction, as per contract requirements?	Y		Y		Y		
CCS002	Road and Bridge Specifications	517	Contractor Construction Surveying	Did the Contractor ensure that the survey operations listed in this section are performed by or under the direct responsibility, control and personal supervision of a surveyor who is licensed in Virginia as a Land Surveyor and is experienced in highway construction work?	Y		Y		Y		
CCS003	Road and Bridge Specifications	517	Contractor Construction Surveying	Did the engineer approve use of electronic data files prior to submission and are the files in a format compatible with the Department's existing computer hardware and software?	Y		Y		Y		
CCS004	Road and Bridge Specifications	517	Contractor Construction Surveying	For Construction (C) or Minimum Plan (M) projects, did the Contractor provide horizontal and vertical control for bridges in accordance with the contract requirements?	Y		Y		Y		

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CGR001	Road and Bridge Specifications	301.01	Clearing & Grubbing	Has the Contractor confined the grubbing of root mat and stumps to the area over which excavation is to be actively prosecuted as per the QA/QC Manual or other required documents?	Y		Y		Y		
CGR002	Road and Bridge Specifications	301.02	Clearing & Grubbing	Did the Contractor install erosion and siltation control devices required in the Contract and QA/QC Manual prior to beginning clearing or grubbing operations?			Y	Y	Y		
CGR003	Road and Bridge Specifications	301.02	Clearing & Grubbing	Have all items which will be less than 5 feet below the top of earthwork within the area directly below the pavement and shoulders, been removed?	Y		Y		Y		
CGR004	Road and Bridge Specifications	301.02	Clearing & Grubbing	Are stumps, other perishable materials, and non-perishable objects that are left in place in accordance with this section?	Y		Y		Y		
CGR005	Road and Bridge Specifications	301.02	Clearing & Grubbing	Have trees and vegetation been disposed of in accordance with this Section?	Y		Y		Y		
CGR006		Contract	Clearing & Grubbing	Has QC notified the Contractor when they are not meeting Environmental requirements in the Contract and QA/QC Manual?			Y	Y	Y		
CGR007		Contract	Clearing & Grubbing	Has QA documented when Environmental controls have not been placed properly?				Y	Y		
CIV001	SP	107.14	Civil Rights	Are records and reports required by the contract EEO provisions being maintained and provided as necessary by the Design-Builder?	Y				Y		
COM001	Part 2	1.7	Communication	Does the Design-Builder conduct quarterly coordination meetings with VDOT and Contractors of other active construction projects in the vicinity of the project?	Y				Y		
COM002	Part 2	2.11	Communication	Is the Design-Builder maintaining a log or database of questions, complaints, and/or comments received from stakeholders and the public along with dates received, responses generated, and how issues or concerns were addressed?	Y				Y		
COM003	Part 2	2.11	Communications	Did the Design-Builder provide an emergency contact list of Project personnel and response plan to respond to any onsite emergency, including any work zone incidents in accordance with I&IM-241?	Y				Y		
COM004	Part 4	2.1.2	Communication	Did all of the Design-Builder's Key Personnel participate in the kick-off meeting?	Y				Y		
COM005	Part 4	2.1.4	Communication	Did the Design-Builder provide the Department 30 days written notice for any request to withdraw any Key Personnel?	Y				Y		
COM006	Part 4	2.1.7	Communication	Was the QA/QC Plan presented and submitted at the Kickoff Meeting?	Y			Y	Y		
COM007	Part 4	2.1.8	Communication	Did the Design-Builder provide minutes for monthly progress meetings to VDOT within 2 days of the meeting?	Y				Y		
COM008	Part 4	2.1.8	Communication	Did all Key Personnel attend the monthly progress meetings?	Y				Y		
COM009	QA/QC	3.8.1	Communication	Is the Design-Builder QA/QC staff contact list up to date?	Y				Y		
COM010	QA/QC	5.3.2	Communication	Do the Preparatory meetings and minutes clearly identify what will be accomplished, by when it will be performed, and where/when/how the work will be done?				Y	Y		
COM011	QA/QC	5.3.3	Communication	Did the Quality Assurance Manager distribute and finalize Preparatory Inspection Meeting minutes within two business days after the meeting?				Y	Y		
COM012	QA/QC	5.14.1	Communication	Was the Department properly notified of Witness and Hold Points identified within the Construction QA/QC Plan and CPM schedule?	Y				Y		
CON001	Part 2	2.4.1	Construction	Does the Design-Builder maintain work within the scope and footprint of the established Project concept?	Y		Y		Y		
CON002	Part 2	2.4.2	Construction	Are impacts to historic properties beyond RFP Conceptual Plans avoided?	Y		Y		Y		
CON003	Part 2	2.7.3	Construction	Is the Design-Builder implementing the Pollution Prevention Plan, and Erosion and Sediment Control Plan?	Y		Y		Y		
CON004	Part 3	3.4	Construction	Are all betterments and/or more stringent standards in the Design-Builder's proposal performed?	Y				Y		
CON005	Part 4	2.4.3	Construction	Were the Released for Construction Plans approved prior to commencement of Work?	Y				Y		
CON006	Part 4	4.3.2	Construction	Did the Design-Builder provide prompt written notice to the Department upon encountering a differing site condition?	Y				Y		
CON007	QA/QC	5.1.2	Construction	Was the Construction QA/QC Plan updated as necessary throughout the life of the Project?	Y				Y		
CON008	QA/QC	5.16	Construction	Are Preparatory Inspection Meetings identified as Hold Points in the Construction QA/QC Plan?	Y				Y		

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CON009	QA/QC	5.20.1	Construction	Did Design-Builder's QC Testing and Inspection Technicians summarize their daily inspections, test results and material sampling activities in a daily report and provide copies of the inspector's records to the Department's Project Manager within 24 hours of completing the inspection?			Y		Y		
CON010	QA/QC	5.20.1	Construction	Did Design-Builder's QA Testing and Inspection Technicians summarize their daily inspections, test results and material sampling activities in a daily report and provide copies of the inspector's records to the Department's Project Manager within 24 hours of completing the inspection?				Y	Y		
CON011	QA/QC	5.24-5	Construction	Did the Design-Builder accommodate VDOT's Intermediate and Completion Inspection and Testing identified in Appendix 4, Table A4?	Y				Y		
CON012	QA/QC	5.26.1	Construction	Did the QAM develop a punch list for all work packages that noted all discrepancies and verified that the discrepancies were addressed prior to certifying payment?				Y	Y		
CON013	QA/QC	5.27.1	Construction	Does the Design-Builder's QA/QC Plan contain inspection checklists for all anticipated construction operations?	Y				Y		
CON014	QA/QC	5.28	Construction	Was the timeline and process for making decisions and managing communications established as part of the QA/QC Plan followed throughout the duration of construction on the project?	Y	Y			Y		
CON015	SP	105.07	Construction	Is a competent Construction Manager on the Project at all times during prosecution of Work?	Y		Y		Y		
CON016	SP	105.14	Construction	Did the Design-Builder submit the haul route to the Department?	Y				Y		
CON017	SP	106.04	Construction	Did the Design-Builder submit a Disposal Area Site Plan to the Department for approval prior to use?	Y				Y		
COW001	Road and Bridge Specifications	105	Control of Work - Plans and Working Drawings	Are all pay segments and quantities shown on the plan sheets in agreement with the pay segments and quantities specified in the contract?	Y	Y			Y		
COW002	Road and Bridge Specifications	105	Control of Work - Plans and Working Drawings	Are the plans designed in such a manner that the Contractor can construct the project with minimal delays or changes?		Y			Y		
COW003	Road and Bridge Specifications	105	Control of Work - Plans and Working Drawings	Are the contract and special provisions complete?	Y	Y			Y		
COW004	Road and Bridge Specifications	105.10(b)	Control of Work - Plans and Working Drawings	Are details on the plans coordinated throughout and do they show the work to be performed?		Y			Y		
CRD001	Part 4	2.4.2	Coordination	Did the Design-Builder meet with VDOT on or about the time of scheduled design submissions to review the evolution of the design and any significant deviations from the Contract Documents or, if applicable, other design submissions?	Y				Y		
CRD002	Part 4	3.1.3	Coordination	Is the Department's Representative participating in monthly progress meetings?	Y				Y		
CRD003	Part 4	3.6.2	Coordination	Did the Design-Builder cooperate with Separate Contractor(s) working within the vicinity of the Project?	Y				Y		
CRD004	QA/QC	4.4.2	Coordination	Are comments provided to the Design-Builder within 21 days after receipt of each submission?					Y		
CRD005	QA/QC	5.3	Coordination	Were all pertinent Construction, Design, QC, QA, and VDOT personnel in attendance at all Preparatory Inspection Meetings?				Y	Y		
CRD006	QA/QC	5.3.1	Coordination	Did the QAM hold a Preparatory Inspection Meeting prior to the start of any work activity to ensure that all project personnel have a thorough understanding of the upcoming work?				Y	Y		
CRD007	QA/QC	5.3.3	Coordination	Did the QAM plan and lead the Preparatory Inspection Meetings in accordance with the requirements of the QA/QC Manual to include holding the meeting after associated plans were approved, permits received, etc. and prior to the work beginning?				Y	Y		
CSP001	Road and Bridge Specifications	415	Concrete Slope Protection	Was the cast in place slab at least 4 inches in thickness and placed in accordance with this section?	Y		Y		Y		
CSP002	Road and Bridge Specifications	415	Concrete Slope Protection	Was the slope approved by the Engineer prior to placement of slab?	Y		Y		Y		
CSP003	Road and Bridge Specifications	415	Concrete Slope Protection	Is the embankment slope reasonably smooth and dense with a trench dug at the toe of the slope to accommodate the toe of the slab?	Y		Y		Y		

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CSP004	Road and Bridge Specifications	415	Concrete Slope Protection	Is welded wire fabric positioned at the center of the slab, run continuously throughout the slab, and lapped approximately 6 inches at the edges of each sheet of fabric?	Y		Y		Y		
CSP005	Road and Bridge Specifications	415	Concrete Slope Protection	Has the joint between the slab and abutment been sealed to a depth of at least 1/2 inch with hot-poured joint sealer?	Y		Y		Y		
CSP006	Road and Bridge Specifications	415	Concrete Slope Protection	Does the toe of the slab extend to an elevation of at least 3 feet below the toe of the fill?	Y		Y		Y		
CSP007	Road and Bridge Specifications	415	Concrete Slope Protection	Was the lower edge of the slab increased approximately 6 inches in thickness by tapering on the underside to its nominal thickness 3 feet up the slope from the lower edge of the slab?	Y		Y		Y		
CSP008	Road and Bridge Specifications	415	Concrete Slope Protection	Is the slab placed in alternate blocks approximately 4 feet square when using the block method?	Y		Y		Y		
CSP009	Road and Bridge Specifications	415	Concrete Slope Protection	Is the slab placed in alternate, continuous strips with joints and dimensions conforming to the requirements of this section, when using the strip method?	Y		Y		Y		
CSP010	Road and Bridge Specifications	415	Concrete Slope Protection	Does the surface not vary more than 1/2 inch under a 10 foot straightedge?	Y		Y		Y		
CSP011		QA/QC Plan	Concrete Slope Protection	Have all documentation and required testing been performed by QA & QC prior to the associated activity being paid?				Y	Y		
DES001	Part 1	11.4	Design	Are the Key Personnel associated with design that were proposed for the project intact for the duration of the contract unless authorized by VDOT?	Y	Y			Y		
DES002	Part 2	1.5	Design	Is the Design-Builder's final design contained within the right of way limits shown on the RFP Conceptual Plans (exception of temporary construction, permanent drainage, and utility easements)?	Y	Y			Y		
DES003	Part 2	2	Design	Does the final design meet or exceed requirements set forth in the Contract Documents?	Y	Y			Y		
DES004	Part 2	2	Design	If the Design-Builder proposed any deviation that results in a modification to the Contract Documents, is the Value Engineering Proposals (VEP) process followed per Section 104.02 of the Division I Amendments to Standard Specifications (Part 5) of the Contract?	Y				Y		
DES005	Part 2	2.1.3	Design	Has the Design-Builder documented and submitted Design Waivers under their responsibility?	Y	Y			Y		
DES006	Part 2	2.1.3	Design	Have design exceptions and design waivers been met?	Y	Y			Y		
DES007	Part 2	2.3.1	Design	Did the Design-Builder submit a preliminary type, size, and location plan, including all proposed stages of construction, to VDOT and approved prior to proceeding with final design?	Y	Y			Y		
DES008	Part 2	2.8	Design	Does the Design-Builder have an approved final Planting Plan for the project prepared by a Virginia licensed Landscape Architect?	Y	Y			Y		
DES009	Part 2	2.16.3	Design	Are all plans prepared in US customary units and in accordance with the most recent version of VDOT's Road Design Manual, Vol. I, VDOT's CADD Manual and VDOT's I&IMs and VDOT's Manual of Structure and Bridge Division, Vol. V, Part 2, Design Aids and Typical Details?		Y			Y		
DES010	Part 2	2.16.5	Design	Did the Design-Builder submit for VDOT's review and approval a Submittal Schedule and planned breakdown of Work Packages as part of the planned Project Baseline Schedule?	Y	Y			Y		
DES011	Part 2	2.16.5	Design	Are submittals accompanied by LD-436 checklist that is filled out appropriately and accurately?	Y	Y			Y		
DES012	QA/QC	2.1.3.5	Design	Are QA design checks included in each Application for Payment?	Y	Y			Y		
DES013	QA/QC	2.1.3.5	Design	Are QC design checks included in each Application for Payment?	Y	Y			Y		
DES014	QA/QC	3.2.3	Design	Are all design related Work Packages submitted for payment certified by the Design Manager as being in conformance with the Contract Documents and the Design QA/QC Plan?	Y	Y			Y		
DES015	QA/QC	3.3.2	Design	Was the Design QA/QC Plan updated as necessary throughout the life of the Project?	Y				Y		

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DES016	QA/QC	4.5.1	Design	Were all changes, including field changes, approved in writing by the organization that performed the original design, with additional written acknowledgement and approval of the change by the Design Manager with recommendation for approval by the Department?		Y			Y		
DES017	QA/QC	4.5.1	Design	Were the documents containing design and/or field changes distributed according to the design QA/QC requirements and revisions signed and sealed where required?		Y			Y		
DES018	SP	S100B00-0708	Design	Does the Design Firm appropriately address Request for Information (RFI) by responding accordingly or seeking a response from the appropriate party if applicable?	Y	Y			Y		
DIS001	Road and Bridge Specifications	413	Dismantling & Removing Structures	Has the Contractor submitted for review a worker health and safety plan in accordance with this section?	Y			Y	Y		
DIS002	Road and Bridge Specifications	413	Dismantling & Removing Structures	When demolition operations involve a Type B structure (as defined in Section 411), has an environmental plan been submitted in accordance with Section 411.08?	Y			Y	Y		
DIS003	Road and Bridge Specifications	413	Dismantling & Removing Structures	Has the removal of concrete parapets on prestressed concrete slab spans or prestressed concrete box beams been performed in accordance with this section?	Y		Y		Y		
DIS004	Road and Bridge Specifications	413.02(a)	Dismantling & Removing Structures	Is the substructure removed down to stream bed elevation or at least 2' below natural ground or finished grade of an embankment which is to remain in place, including any part or piling that will interfere with new construction?	Y		Y		Y		
DIS005	Road and Bridge Specifications	413.02(a)2	Dismantling & Removing Structures	Has the Contractor submitted for the Engineer's approval a method for dismantling structures to be retained by the Department that will preserve the existing condition of materials?	Y			Y	Y		
DIS006	Road and Bridge Specifications	413.02(a)2	Dismantling & Removing Structures	Have units been match marked for re-erection according to an approved diagram provided by the Department?	Y		Y		Y		
DIS007	Road and Bridge Specifications	413.02(b)	Dismantling & Removing Structures	Is concrete not removed by blasting or other methods which could damage any portion of the structure that will remain in place?	Y		Y		Y		
DIS008	Road and Bridge Specifications	413.02(b)	Dismantling & Removing Structures	Do pneumatic hammers weigh no more than 90 pounds for widening work or 30 pounds for deck repair work?	Y		Y		Y		
DIS009	Road and Bridge Specifications	413.02(b)	Dismantling & Removing Structures	Where permitted, are tractor-mounted hammers being used in accordance with this section?	Y		Y		Y		
DIS010	Road and Bridge Specifications	413.02(b)	Dismantling & Removing Structures	Have all disturbed areas been uniformly graded to natural ground contours that will facilitate drainage and prevent impoundment of water?	Y		Y		Y		
DIS011	Road and Bridge Specifications	413.02(c)1	Dismantling & Removing Structures	Has Contractor complied with this section when Contractor is not required to have an environmental plan?	Y			Y	Y		
DIS012		QA/QC Plan	Dismantling & Removing Structures	Have all documentation and required testing been performed by QA & QC prior to the associated activity being paid?				Y	Y		
DMP001	Road and Bridge Specifications	417	Damp-Proofing	Do materials used for damp-proofing conform to the requirements of the materials section on damp-proofing and waterproofing?	Y		Y		Y		
DMP002	Road and Bridge Specifications	417	Damp-Proofing	Is the surface being damp-proofed cleaned of all loose foreign material and dry?	Y		Y		Y		
DMP003	Road and Bridge Specifications	417	Damp-Proofing	Has Damp proofing been placed according to the Contract requirements?	Y		Y		Y		
DMP004	Road and Bridge Specifications	417	Damp-Proofing	Was care taken to confine the asphalt to be damp-proofed and not dripped or spread on any other parts of the structure?	Y		Y		Y		
DOC001	Part 3	11.1.9	Documentation	Are monthly reports submitted by the 10th of each month and inclusive of all requirements under Part 3, Section 11.1.9 of the Contract?	Y				Y		
DOC002	Part 3	11.1.10	Documentation	Is the Design-Builder maintaining a project records tracking log?	Y				Y		
DRA001	Part 2	2.7.1	Drainage	Did the Design-Builder provide VDOT a final H&HA, including scour analysis for proposed major drainage structures, prior to commencing construction?	Y	Y			Y		
DRS001	Road and Bridge Specifications	302	Drainage Structures	Is the proper reinforcing steel used in the top layer on precast box culverts with 0 - 2 feet of fill over them?	Y		Y		Y		
DRS002	Road and Bridge Specifications	302.02	Drainage Structures	Is the pipe the required gage and strength, to include the special design pipe, and do other materials meet the requirements of the contract documents?	Y	Y			Y		

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DRS003	Road and Bridge Specifications	302.03	Drainage Structures	Has the Contractor furnished and installed lift hole plugs as specified?	Y		Y		Y		
DRS004	Road and Bridge Specifications	302.03(a)	Drainage Structures	Have all pipe culverts been checked to determine if damaged materials have been repaired or replaced?	Y		Y		Y		
DRS005	Road and Bridge Specifications	302.03(a)1	Drainage Structures	Is the Contractor following the specifications and approved plan regarding jack and bore operations?	Y				Y		
DRS006	Road and Bridge Specifications	302.03(a)2a	Drainage Structures	Have the pipe culvert foundations been explored by the Contractor below the bottom of the excavation?	Y		Y		Y		
DRS007	Road and Bridge Specifications	302.03(a)2a	Drainage Structures	Is the foundation firm, but not unyielding for its full length and width and excavated and has bedding material placed according to the QA/QC Plan and contract documents?	Y			Y	Y		
DRS008	Road and Bridge Specifications	302.03(a)2a	Drainage Structures	Has bedding material been furnished in accordance with this section?	Y		Y		Y		
DRS009	Road and Bridge Specifications	302.03(a)2b	Drainage Structures	Has the bedding material been placed and shaped in accordance to this section?	Y		Y		Y		
DRS010	Road and Bridge Specifications	302.03(a)2b	Drainage Structures	Has the pipe been placed in accordance with the contract documents?	Y		Y		Y		
DRS011	Road and Bridge Specifications	302.03(a)2d	Drainage Structures	Are the joints of the pipe tight and properly sealed?	Y		Y		Y		
DRS012	Road and Bridge Specifications	302.03(a)2g	Drainage Structures	Has Backfill been placed according to contract documents?	Y		Y		Y		
DRS013	Road and Bridge Specifications	302.03(b)1a	Drainage Structures	Have the structures been set to proper line and grade and pipes sealed according to contract requirements?	Y		Y		Y		
DRS014	Road and Bridge Specifications	302.03(b)1a	Drainage Structures	Do the throat sections of the structures meet grade of roadway and are they sections connected as per the contract requirements?	Y		Y		Y		
DRS015	Road and Bridge Specifications	302.03(c)	Drainage Structures	Has masonry construction been initiated only when the air temperature is above 40 degrees F in the shade for drop inlets, manholes, junction boxes, spring boxes, intake boxes and end walls or as approved in the QA/QC Manual?	Y		Y		Y		
DRS016	Road and Bridge Specifications	302.03(c)	Drainage Structures	Are pipe sections flush with the inside of the structure wall?	Y		Y		Y		
DRS017		Contract	Drainage Structures	Has QC performed testing at the required frequency and are testing records being maintained as per the QA/QC Plan?			Y	Y	Y		
DRS018		Contract	Drainage Structures	Has IA/IV performed testing at the required frequency and are testing records being maintained as per the QA/QC Plan?					Y		
DRS019		Contract	Drainage Structures	Have the structures been inspected according to the QA Plan?				Y	Y		
DRS020		Contract	Drainage Structures	Has QA provided testing and recorded information as per the QA Manual?				Y	Y		
DRS021		Contract	Drainage Structures	Has QC denoted placement operations in their daily reports?			Y	Y	Y		
EAR001	Road and Bridge Specifications	303.01	Earthwork	Has all seeding been performed as required in the Contract and project requirements?	Y		Y		Y		
EAR002	Road and Bridge Specifications	303.03(b)	Earthwork	Has the stripping of top soil been confined to the area over which excavation is to be actively prosecuted within 15 days?	Y		Y		Y		
EAR003	Road and Bridge Specifications	303.04(a)	Earthwork	Is the roadway being graded in such a manner that will provide adequate drainage?	Y		Y		Y		
EAR004	Road and Bridge Specifications	303.04(a)	Earthwork	Were the requirements of the Contract for cover and length of approach fills met before construction equipment was allowed to cross the pipe?	Y		Y		Y		
EAR005	Road and Bridge Specifications	303.04(a)	Earthwork	Have underground tanks, foundations and wells been removed and filled as required by the contract requirements?	Y		Y		Y		
EAR006	Road and Bridge Specifications	303.04(a)	Earthwork	In areas where rock or boulders were encountered during excavation, were they graded in accordance with the contract requirements and have all information regarding location denoted in the QC diary?	Y		Y		Y		
EAR007	Road and Bridge Specifications	303.04(a)	Earthwork	Did the Contractor immediately stop excavation and notify the QAM when solid rock was not encountered at the depth indicated on the plans?	Y			Y	Y		

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EAR008	Road and Bridge Specifications	303.04(a)	Earthwork	Have grading operations been confined to the minimum area necessary to accommodate the Contractor's equipment and work force engaged in the earth moving work as denoted in the QA/QC Manual?	Y		Y		Y		
EAR009	Road and Bridge Specifications	303.04(c)	Earthwork	Has the excavation for structures been carried to foundation materials that meet the Contract and QA plan?	Y		Y		Y		
EAR010	Road and Bridge Specifications	303.04(d)	Earthwork	Has the unsuitable material been disposed of in accordance with Contract requirements of the general provisions on disposal areas?	Y		Y		Y		
EAR011	Road and Bridge Specifications	303.04(e)	Earthwork	Has the required compressive strength been obtained and 4 feet of backfill cover been placed over box culverts prior to construction equipment traffic crossing them?	Y		Y		Y		
EAR012	Road and Bridge Specifications	303.04(g)	Earthwork	Has the backfill been placed in a manner to deter impoundment of water and facilitate existing drainage?	Y		Y		Y		
EAR013	Road and Bridge Specifications	303.04(h)	Earthwork	If rock excavation is available on the project, has an 8 to 15 inch layer of such materials been placed over the lower region of embankments as per contract requirements?	Y		Y		Y		
EAR014	Road and Bridge Specifications	303.04(h)	Earthwork	Wherever sufficient right of way exists, were surplus materials used to widen embankments and flatten fill slopes as permitted by the Engineer?	Y	Y			Y		
EAR015	Road and Bridge Specifications	303.04(h)	Earthwork	Has the placement of geotextile drainage fabric under rock fills been performed in accordance with the Section 414 / 245, Riprap and as per contract documents?	Y		Y		Y		
EAR016	Road and Bridge Specifications	303.04(h)	Earthwork	Has the surface area directly beneath the pavement and shoulders, on which embankments of < 5' depth are to be constructed, been denuded of vegetation, scarified and compacted to a depth of 6" to the same degree as the material to be placed thereon?	Y		Y		Y		
EAR017	Road and Bridge Specifications	303.04(h)	Earthwork	Has the surface of the existing road been scarified to such degree that permits an ample bond between old and new materials?	Y		Y		Y		
EAR018	Road and Bridge Specifications	303.04(h)	Earthwork	Have hydraulic cement concrete and asphalt concrete pavements within the roadway prism been demolished in accordance with Section 508 - Demolition of Pavement and Obscuring Roadway, per contract documents, or approved design plans?	Y		Y		Y		
EAR019	Road and Bridge Specifications	303.04(h)	Earthwork	Have cement-stabilized courses underlying the demolished pavements been removed when they are 3 feet or less below subgrade elevation? [Ref.: Section 508.02(a)3 of Demolition of Pavement and Obscuring Roadway]	Y		Y		Y		
EAR020	Road and Bridge Specifications	303.04(h)	Earthwork	Have cement-stabilized courses that are located more than 3 feet below subgrade elevation been removed or broken into particles not more than 18 inches in any dimension, sufficiently displaced to allow for adequate drainage, and left in place as per QA/QC Plan and contract?	Y		Y		Y		
EAR021	Road and Bridge Specifications	303.04(h)	Earthwork	Have existing slopes been benched to receive embankment materials as specified?	Y		Y		Y		
EAR022	Road and Bridge Specifications	303.04(h)	Earthwork	Are embankments being constructed in uniform layers of specified thickness over the entire fill area?	Y		Y		Y		
EAR023	Road and Bridge Specifications	303.04(h)	Earthwork	Is the embankment being rolled to the outside of the fill and compacted at +\- 20 percent of optimum moisture content to a density of at least 95 percent of theoretical maximum density?	Y		Y		Y		
EAR024	Road and Bridge Specifications	303.04(h)	Earthwork	Has material with a moisture content more than 30 percent above optimum moisture not been placed on a previously placed layer of fill?	Y		Y		Y		
EAR025	Road and Bridge Specifications	303.04(h)	Earthwork	As the compaction of each layer progresses, has continuous leveling and manipulation been performed to ensure uniform density?	Y		Y		Y		
EAR026	Road and Bridge Specifications	303.04(h)	Earthwork	Prior to the placement of subsequent layers, has construction equipment been routed uniformly over the entire surface of each layer or the layer scarified to its full depth in the area where the equipment was routed?	Y		Y		Y		
EAR027	Road and Bridge Specifications	303.04(h)	Earthwork	Are rock fills being constructed as specified?	Y		Y		Y		
EAR028	Road and Bridge Specifications	303.04(i)1	Earthwork	Has the Contractor expedited construction of embankment fills to provide the maximum time possible for settlement as specified?	Y		Y		Y		

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EAR029	Road and Bridge Specifications	303.04(i)2	Earthwork	Is all settlement plate and surcharge embankment construction performed in accordance with this section?	Y		Y		Y		
EAR030	Road and Bridge Specifications	303.04(j)	Earthwork	Are hydraulic embankments constructed in accordance with this section?	Y		Y		Y		
EAR031	Road and Bridge Specifications	303.04(k)	Earthwork	Is the surplus material being disposed of in accordance with contract documents?	Y		Y		Y		
EAR032	Road and Bridge Specifications	303.05(b)	Earthwork	Has the finished grade of the top of earthwork and all slopes been constructed within the specified tolerances of this section?	Y		Y		Y		
EAR033		Contract	Earthwork	Did the Contractor schedule the excavation work so that blasting operations in the proximity of proposed concrete structures would be completed prior to initial placement of concrete?	Y		Y		Y		
EAR034		Contract	Earthwork	Has backfill been placed according to contract requirements including lift requirements and has QC documented and recorded all required testing documents?			Y	Y	Y		
EAR035		Contract	Earthwork	Are all QA and QC tests results performed as required prior to Associated activity payments regarding backfilling of structures?				Y	Y		
EAR036		Contract	Earthwork	Has QC performed the required number of density test and at the proper frequency as noted in the Contract requirements including the QA/QC manual?			Y	Y	Y		
EAR037		Contract	Earthwork	Has QA performed the required number of density test and at the proper frequency as noted in the Contract requirements including the QA/QC manual?				Y	Y		
EED001	Road and Bridge Specifications	421	Elastomeric Expansion Dams	Have the expansion dams been installed in conformity with the specifications and with the lines, elevations and locations shown on the plans or as established by the Engineer?	Y		Y		Y		
EED002	Road and Bridge Specifications	421	Elastomeric Expansion Dams	Have all materials been tested for conformity with Section 212, Joint Materials?	Y		Y		Y		
EED003	Road and Bridge Specifications	421	Elastomeric Expansion Dams	Has the Contractor submitted working drawings for review by the Engineer?	Y			Y	Y		
EED004	Road and Bridge Specifications	421	Elastomeric Expansion Dams	Does the Contractor provide a factory-trained representative on the job site prior to and during the initial installation of the expansion dam?	Y			Y	Y		
EED005	Road and Bridge Specifications	421	Elastomeric Expansion Dams	Does the dam seal the structure to prevent water and other contaminants from seeping onto the substructure?	Y		Y		Y		
EED006	Road and Bridge Specifications	421	Elastomeric Expansion Dams	Has the dam been placed according to contract requirements?	Y		Y		Y		
EED007	Road and Bridge Specifications	421	Elastomeric Expansion Dams	Do field-vulcanized joints conform to plan details?	Y		Y		Y		
EED008	Road and Bridge Specifications	421	Elastomeric Expansion Dams	Are the dams cast in place with top surfaces parallel to the bridge deck?	Y		Y		Y		
EED009	Road and Bridge Specifications	421	Elastomeric Expansion Dams	Was concrete placed in such manner as to prevent formation of air pockets in the concrete?	Y		Y		Y		
EED010	Road and Bridge Specifications	421	Elastomeric Expansion Dams	Was final sealing accomplished as soon as possible after installation?	Y		Y		Y		
EED011		QA/QC Plan	Elastomeric Expansion Dams	Have all documentation and required testing been performed by QA & QC prior to the associated activity being paid?				Y	Y		
ENV001	Part 2	1.4	Environmental	Has Design-Builder acquired all water quality permits for the Project in the Design-Builder's name?	Y	Y			Y		
ENV002	Part 2	1.4	Environmental	Is the Design-Builder complying with pre-construction and construction-related permit conditions required by regulatory agencies?	Y		Y		Y		
ENV003	Part 2	1.4	Environmental	If additional environmental technical studies and analyses are required for changes in scope or project footprint, have they been performed by the Design-Builder?	Y				Y		
ENV004	Part 2	2.4	Environmental	Did the Design-Builder comply with all applicable state and federal environmental laws, regulations, and permits?	Y		Y		Y		

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ENV005	Part 2	2.4	Environmental	Did the Design-Builder carry out environmental commitments as identified in the EA/FONSI, the Document Re-evaluation for RW Authorization (EQ-201), PS&E Authorization (EQ-200), and the Environmental Certification/Commitments Checklist (EQ-103)?	Y				Y		
ENV006	Part 2	2.4	Environmental	Did the Design-Builder provide the supporting documentation for compliance with all commitments to VDOT Project Manager?	Y				Y		
ENV007	Part 2	2.4.4	Environmental	Has the Design-Builder provided the VDOT Project Manager copies of all permits, documentation, and correspondence with regulatory agencies?	Y				Y		
ENV008	Part 2	2.4.4	Environmental	Did the Design-Builder proceed with work covered under all applicable water quality permits after the VDOT Project Manager released the work in writing?	Y		Y		Y		
ENV009	Part 2	2.4.4	Environmental	Did the Design-Builder notify the VDOT Project Manager and regulatory permitting agencies in writing 14 days prior to beginning work in jurisdictional areas covered by water quality permits?	Y				Y		
ENV010	Part 2	2.4.6	Environmental	Was an environmental assessment completed and approved prior to property acquisition?	Y				Y		
ENV011	Part 2	2.7.3	Environmental	Does the Design-Builder have a qualified person within their team structure, other than the ESC and post construction SWM Plan designer, who is authorized and/or certified by the Virginia Department of Environmental Quality (VDEQ) to perform plan reviews, independently review and certify that the ESC Plans and Narrative for the Project are in accordance with VDOT's Approved ESC and SWM Standards and Specifications?	Y		Y		Y		
ENV012	Part 2	2.7.3	Environmental	Does the Design-Builder have an individual or individuals holding a VDEQ Inspector Certification, a VDEQ Responsible Land Disturber Certification, and a VDOT Erosion and Sediment Control Contractor Certification on-site during any land disturbing operations?	Y		Y		Y		
ENV013	SP	C-107 Part 1	Environmental	Did the QAM ensure completion of Form C-107, Construction Runoff Control Inspection Form?	Y			Y	Y		
ENV014	SP	C-107 Part 1	Environmental	Did the QAM ensure the SWPPP was updated as required by the Contract?	Y			Y	Y		
ENV015	SP	107.16(a)	Environmental	Did the Design-Builder exercise every reasonable precaution, including temporary and permanent soil stabilization measures, throughout the duration of the Project to control erosion and prevent siltation of adjacent lands, rivers, streams, wetlands, lakes, and impoundments?	Y		Y		Y		
ENV016	SP	107.16(e)4	Environmental	Is the Design-Builder completing Form C-107 at least every 7 calendar days and within 48 hours following any measurable storm event?	Y		Y		Y		
ENV017	SP	107.16(e)4	Environmental	Is a rain gage installed at a central location on the Project site?	Y		Y		Y		
ENV018	SP	107.16(e)7	Environmental	Is the Stormwater Pollution Prevention Plan updated within seven days after the implementation and/or the approval of any amendments, modifications, or revisions?	Y		Y		Y		
FEN001	Road and Bridge Specifications	507	Fences	Do materials for fences conform to the requirements of Section 242, Fences?	Y		Y		Y		
FEN002	Road and Bridge Specifications	507	Fences	Are posts placed approximately 3 feet in-depth or 18 inches into rock, whichever is less, when rock is encountered before the specified post depth is reached?	Y		Y		Y		
FEN003	Road and Bridge Specifications	507	Fences	Are posts placed in concrete if rock is encountered during installation of gates, corner, or brace posts?	Y		Y		Y		
FEN004	Road and Bridge Specifications	507	Fences	Are post and braced post anchor devices used in lieu of placing posts and braces in concrete except where rock is encountered?	Y		Y		Y		
FEN005	Road and Bridge Specifications	507	Fences	Did the Contractor demonstrate that the performance of post and braced post anchor devices will be comparable to that of concrete when used in lieu of concrete?	Y		Y		Y		
FEN006	Road and Bridge Specifications	507	Fences	Is the diameter of holes prepared for setting post in rock at least 3" greater than the cross section dimension of the post?	Y		Y		Y		
FEN007	Road and Bridge Specifications	507	Fences	Are standard chain link fences installed in accordance with this section?	Y		Y		Y		

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FEN008	Road and Bridge Specifications	507	Fences	Are standard fences installed in accordance with this section?	Y		Y		Y		
FEN009	Road and Bridge Specifications	507	Fences	Has the frame for pedestrian fences for bridges been bonded internally wherever possible to maintain continuity?	Y		Y		Y		
FEN010	Road and Bridge Specifications	507	Fences	Are pedestrian fences for bridges electrically grounded in accordance with the section on Metal Railings 410.03(b)?	Y		Y		Y		
FEN011	Road and Bridge Specifications	507	Fences	Are temporary safety fences installed in accordance with this section?	Y		Y		Y		
FEN012		QA/QC Plan	Fences	Have all documentation and required testing been performed by QA & QC prior to the associated activity being paid?				Y	Y		
GEO001	Part 2	2.6	Geotechnical	Did the Design-Builder provide VDOT with all records of subsurface explorations and describe the soils encountered and their depth limits in accordance with Chapter 3 of the VDOT Materials Division MOI?	Y				Y		
GEO002	QA/QC	5.18	Geotechnical	Did QAM's summary reports to the Department include the Design-Builder's geotechnical engineer's certification of completed Work involving foundations and/or unsuitable material?				Y	Y		
GEO003	QA/QC	5.18.1	Geotechnical	Were inspection and verification tests performed to determine the integrity of foundation structures and other geotechnical elements and to verify that their performance is as anticipated from the design and other geotechnical requirements as set forth in the specifications, special provisions, technical requirements, or as otherwise included in the Construction and Contract Documents?	Y				Y		
GEO004	QA/QC	5.18.2	Geotechnical	Did the Design-Builder's Geotechnical Engineer certify whether the Work was subjected to the necessary testing and inspection requirements?	Y				Y		
GRD001	Road and Bridge Specifications	505	Guardrail & Steel Median Barrier	Are guardrail and steel median barriers installed in accordance with plans, specifications, and in conformity to the lines and grades and tolerances shown on the plans or as designated by the Engineer?	Y		Y		Y		
GRD002	Road and Bridge Specifications	505	Guardrail & Steel Median Barrier	Are rails and elements erected and aligned in a manner that will result in a smooth, continuous, taut installation?	Y		Y		Y		
GRD003	Road and Bridge Specifications	505	Guardrail & Steel Median Barrier	Are guardrail delineators installed in accordance with section 702.03 on Delineators?	Y		Y		Y		
GRD004	Road and Bridge Specifications	505	Guardrail & Steel Median Barrier	Are anchor assemblies installed in accordance with this section and manufacturers installation instructions?	Y		Y		Y		
GRD005	Road and Bridge Specifications	505	Guardrail & Steel Median Barrier	Are post holes backfilled to proper grade?	Y		Y		Y		
GRD006	Road and Bridge Specifications	505	Guardrail & Steel Median Barrier	Are steel posts driven by a method that will not damage them?	Y		Y		Y		
GRD007	Road and Bridge Specifications	505	Guardrail & Steel Median Barrier	Have wood posts been sawed to the dimensions shown on plans and in accordance with this section?	Y		Y		Y		
GRD008	Road and Bridge Specifications	505	Guardrail & Steel Median Barrier	Have split, splintered, or broken posts been replaced?	Y		Y		Y		
GRD009	Road and Bridge Specifications	505	Guardrail & Steel Median Barrier	Have the threaded portions of all fittings and the cut ends of bolts and other damaged galvanized surfaces been repaired in accordance with Section 233, Galvanizing?	Y		Y		Y		
GRD010	Road and Bridge Specifications	505	Guardrail & Steel Median Barrier	Has material for reuse guardrail maintained its original shape and is it suitable for reuse?	Y		Y		Y		
GRD011	Road and Bridge Specifications	505	Guardrail & Steel Median Barrier	Are guardrail and median barriers placed at distances and heights as specified in the standard drawings for that type?	Y		Y		Y		
GRD012	Road and Bridge Specifications	505	Guardrail & Steel Median Barrier	Has the required type of barrier been placed in front of fixed objects as specified in the standards?	Y		Y		Y		
GRD013	Road and Bridge Specifications	505	Guardrail & Steel Median Barrier	Did the Contractor have a trained guardrail installer on the project during guardrail installation?	Y			Y	Y		

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GRD014	Road and Bridge Specifications	505	Guardrail & Steel Median Barrier	Has the Contractor submitted two copies of the manufacturers' recommended installation instructions for guardrail end treatments to the Engineer on the project site 2 weeks prior to the start of work?	Y		Y		Y		
GRD015	Road and Bridge Specifications	505	Guardrail & Steel Median Barrier	Are guardrail posts placed on a continuous line of guardrail all of one type?	Y		Y		Y		
GRD016	Road and Bridge Specifications	505	Guardrail & Steel Median Barrier	Are guardrail posts set with a variation of not more than 1/8 inch per foot from vertical?	Y		Y		Y		
GRD017		QA/QC Plan	Guardrail & Steel Median Barrier	Have all documentation and required testing been performed by QA & QC prior to the associated activity being paid?				Y	Y		
HAZ001	Part 4	4.1.1.2	Hazardous Materials	Did the Design-Builder notify VDOT prior to implementing any Remedial Actions for Known Pre-Existing HAZMAT?	Y				Y		
HAZ002	Part 4	4.1.1.3	Hazardous Materials	If Design-Builder encountered any unknown Pre-Existing HAZMAT, was the Department promptly notified?	Y				Y		
HAZ003	Part 4	4.1.1.3	Hazardous Materials	Was a Remedial Action Plan developed by the Design-Builder for any unknown pre-existing hazardous materials?	Y				Y		
HCC001	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	Have corrugated metal bridge deck forms been installed in accordance with reviewed fabrication and erection plans?	Y		Y		Y		
HCC002	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	Does welding conform to the requirements of the section on Fabrication Procedures for Steel Structures for fillet welds except that 1/8 inch fillet welds will be permitted?			Y	Y	Y		
HCC003	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	Are form supports placed in direct contact with the stringer or floor beam flanges by hangers or clips?	Y		Y		Y		
HCC004	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	Did the Contractor have a Professional Engineer inspect and provide required certification that the falsework assembly conforms to the approved working drawings?	Y			Y	Y		
HCC005	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	Was the concrete placed in its final position in the forms within the time specified in the Materials Section under Hydraulic Cement Concrete?	Y		Y		Y		
HCC006	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	Are specified measures taken to avoid dropping concrete more than five (5) feet where required?	Y		Y		Y		
HCC007	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	Is the concrete placement regulated so that the pressures caused by the fresh concrete does not exceed those used in the design of the forms?	Y		Y		Y		
HCC008	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	Is the concrete being vibrated in a manner to avoid segregation and in accordance with the section on concrete placement and consolidation?	Y		Y		Y		
HCC009	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	Are construction and expansion joints installed as shown on the plans or as per contract requirements and QA/QC plan?	Y		Y		Y		
HCC010	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	Is asphalt applied to construction joints against which earth fill is placed as per plans and contract requirements?	Y		Y		Y		
HCC011	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	Are construction joints bonded as specified in the section on joints?	Y		Y		Y		
HCC012	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	Does curing begin before the sheen disappears from fresh concrete or immediately upon removal of formwork?	Y		Y		Y		
HCC013	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	Has QC documented the curing method and recorded curing times that meet contract requirements and QA/QC Manual requirements including verification of HI/LO Temperature readings during curing operations?			Y	Y	Y		
HCC014	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	When the atmospheric temperature is below 40 degrees F, does the method of curing and protecting concrete provide adequate moisture and maintain the temperature as required in contract and/or QA/QC Plan?	Y		Y		Y		
HCC015	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	Is concrete not placed against surfaces whose temperature is below 40 degrees F?	Y		Y		Y		
HCC016	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	Has QC made the proper amount of cylinders and were they protected as per contract requirements and the QA/QC plan?			Y	Y	Y		
HCC017	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	Has QC performed straightedge testing with a ten foot straightedge as required in the Contract and QA/QC plan?			Y	Y	Y		

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HCC018	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	Have joint openings been accurately formed with proper widths, parallel joint faces and free of spalling areas?	Y		Y		Y		
HCC019	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	Have the bridge seat bearing areas been finished within the specified contract requirements?	Y		Y		Y		
HCC020	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	Are the bearing areas that are to receive elastomeric pads finished to the required roughness in accordance with the contract on bearing devices?	Y		Y		Y		
HCC021	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	Have the surfaces of the concrete received a finish that will satisfy the requirements of the contract on finishing concrete surfaces?	Y		Y		Y		
HCC022	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	If the surface cannot be repaired immediately following removal of forms or before the concrete surface has become dry, was the surface kept wet for 1 to 3 hours prior to application of mortar?	Y		Y		Y		
HCC023	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	Did QC verify and record that the Contractor performed evaporation rate testing during bridge deck placements and, if necessary, use protective measures to prevent shrinkage cracking?			Y	Y	Y		
HCC024	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	Did QA verify and record that the Contractor performed evaporation rate testing during bridge deck placements and, if necessary, use protective measures to prevent shrinkage cracking?				Y	Y		
HCC025	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	Has the Contractor met all QA/QC and contract requirements prior to paying Contractor for the associate activity regarding deck placements?				Y	Y		
HCC026	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	Has VDOT IA/IV performed testing and verification that all activities regarding deck placement were performed according to the contract and QA/QC requirements?					Y		
HCC027	Road and Bridge Specifications	404	Hydraulic Cement Concrete Operations	Has QA performed straightedge testing with a ten foot straightedge as required in the Contract and QA/QC plan?				Y	Y		
HCP001	Road and Bridge Specifications	316	Hydraulic Cement Concrete Pavement	Is Contractor placing material in a manner that is meeting the contract requirements and QA Program details?	Y		Y		Y		
HCP002	Road and Bridge Specifications	316	Hydraulic Cement Concrete Pavement	Does the surface of the concrete base course meet the requirements when tested under a 10 foot straightedge and also have a heavy broomed texture?	Y		Y		Y		
HCP003	Road and Bridge Specifications	316	Hydraulic Cement Concrete Pavement	Has the concrete in an adjoining lane attained the strength requirements before mechanical equipment is operated on it?	Y		Y		Y		
HCP004	Road and Bridge Specifications	316	Hydraulic Cement Concrete Pavement	If random or uncontrolled cracking occurs, have concrete joints or slabs been repaired as per QA recommended and VDOT approved method?	Y		Y		Y		
HCP005	Road and Bridge Specifications	316	Hydraulic Cement Concrete Pavement	Have the QC reports indicated all verification of testing results are at the proper frequency and documented that field inspections related to Concrete Pavement procedures are on file?			Y	Y	Y		
HCP006	Road and Bridge Specifications	316	Hydraulic Cement Concrete Pavement	Has QA performed and documented QA testing as required in the Quality Assurance plan and contract?				Y	Y		
HCP007	Road and Bridge Specifications	316	Hydraulic Cement Concrete Pavement	Has the associated work packages paid after the QA/QC testing and documentation completed?				Y	Y		
HCP008	Road and Bridge Specifications	316	Hydraulic Cement Concrete Pavement	Has IA/IV performed Materials testing and are results documented as required in the Contract and QA/QC Plan?					Y		
HCP009	Road and Bridge Specifications	316	Hydraulic Cement Concrete Pavement	Does the riding surface have a gritty texture and has it been grooved as required?	Y		Y		Y		
HCP010	Road and Bridge Specifications	316	Hydraulic Cement Concrete Pavement	Has the Concrete pavement been completed cured as required in the contract and QA/QC Plan?	Y		Y		Y		
HCP011	Road and Bridge Specifications	316	Hydraulic Cement Concrete Pavement	Has the Contractor maintained the surface temperature of the concrete as specified in the Contract and QA/QC Plan?	Y		Y		Y		
HCP012	Road and Bridge Specifications	316	Hydraulic Cement Concrete Pavement	Are the forms left in place for the required time before removal?	Y		Y		Y		
HCP013	Road and Bridge Specifications	316	Hydraulic Cement Concrete Pavement	Have major honeycombed areas been removed and replaced?	Y		Y		Y		
HCP014	Road and Bridge Specifications	316	Hydraulic Cement Concrete Pavement	Are all joints sealed as required in Contract and QA/QC Plan and contract documents?	Y		Y		Y		

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HCP015	Road and Bridge Specifications	316	Hydraulic Cement Concrete Pavement	Has the sealer been applied and tooled to form a recess as specified?	Y		Y		Y		
HCP016	Road and Bridge Specifications	316	Hydraulic Cement Concrete Pavement	Has the Contractor protected the pavement from the effects of rain and all traffic as specified?	Y		Y		Y		
HCP017	Road and Bridge Specifications	316	Hydraulic Cement Concrete Pavement	Does the pavement meet the thickness tolerance?	Y		Y		Y		
HCP018	Road and Bridge Specifications	316	Hydraulic Cement Concrete Pavement	Has the Contractor provided a storage chamber for the temporary storage of the projects concrete cylinders in accordance with the QA/QC plan and Contract documents?	Y		Y		Y		
HCP019	Road and Bridge Specifications	509	Patching Hydraulic Cement Concrete Pavement	Has all defective pavement and unstable subbase material been removed prior to placement of new pavement?	Y		Y		Y		
HCP020	Road and Bridge Specifications	509	Patching Hydraulic Cement Concrete Pavement	Are materials used for patching pavement as specified in Section, 217 Hydraulic Cement Concrete?	Y		Y		Y		
HCP021	Road and Bridge Specifications	509	Patching Hydraulic Cement Concrete Pavement	Where the existing joint dowel assembly is to be removed, has the existing concrete been saw cut and removed at least one foot on each side of transverse joints?	Y		Y		Y		
HCP022	Road and Bridge Specifications	509	Patching Hydraulic Cement Concrete Pavement	Have all undisturbed portions of pavement adjacent to patched areas been left with straight, vertical sides that are parallel or perpendicular to the centerline?	Y		Y		Y		
HCP023	Road and Bridge Specifications	509	Patching Hydraulic Cement Concrete Pavement	In areas from which concrete has been removed, has the subbase been dressed, brought to grade and mechanically compacted?	Y		Y		Y		
HCP024	Road and Bridge Specifications	509	Patching Hydraulic Cement Concrete Pavement	Is the prohibition on saw cuts extending into adjacent concrete pavement adhered to?	Y		Y		Y		
HCP025	Road and Bridge Specifications	509	Patching Hydraulic Cement Concrete Pavement	Has preformed asphalt joint filler been installed in accordance with the section 316.04(g)2 on Hydraulic Cement Concrete Pavement for Transverse Expansion Joints?	Y		Y		Y		
HCP026	Road and Bridge Specifications	509	Patching Hydraulic Cement Concrete Pavement	Are the temperature requirements for the removal and placement of concrete in accordance with this section?	Y		Y		Y		
HCP027	Road and Bridge Specifications	509	Patching Hydraulic Cement Concrete Pavement	Has all joint material and reinforcing steel been placed in accordance with this section?	Y		Y		Y		
HCP028	Road and Bridge Specifications	509	Patching Hydraulic Cement Concrete Pavement	Does the existing pavement and patches conform to the 1/4" in 10' tolerance?	Y		Y		Y		
HCP029		QA/QC Plan	Patching Hydraulic Cement Concrete Pavement	Have all documentation and required testing been performed by QA & QC prior to the associated activity being paid?				Y	Y		
HCS001	Road and Bridge Specifications	307.05	Hydraulic Cement Stabilization	Has the surface to receive Hyd. Cement Stabilization been prepared and Placement, Finishing and curing methods performed as per the contract and QA/QC Manual?	Y		Y		Y		
HCS002		Contract	Hydraulic Cement Stabilization	Has QC performed density testing on areas of Cement Stabilization at the frequency required and are their results correctly documented?			Y	Y	Y		
HCS003		Contract	Hydraulic Cement Stabilization	Do the QA diaries and test reports clearly describe the work performed and include details verifying proper testing procedures including frequency of the tests performed and their results?				Y	Y		
HCS004		Contract	Hydraulic Cement Stabilization	Have IA/IV tests been performed and documented at the required frequency and results verified to meet Contract requirements?					Y		
HCS005		Contract	Hydraulic Cement Stabilization	Has all QA/QC/IA responsibilities been satisfied prior to payment of activity?				Y	Y		

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INC001	Road and Bridge Specifications	502	Incidental Concrete Items	Are all dimensions and reinforcing steel in accordance with the applicable standards for various incidental concrete items?	Y		Y		Y		
INC002	Road and Bridge Specifications	502	Incidental Concrete Items	Has QC performed recorded and have on file adequate test reports as required?			Y	Y	Y		
INC003	Road and Bridge Specifications	502	Incidental Concrete Items	Has QA performed recorded and have on file adequate test reports as required?				Y	Y		
INC004	Road and Bridge Specifications	502	Incidental Concrete Items	Does the foundation for incidental concrete items conform to density requirements with all unsuitable material removed and replaced prior to placement of hydraulic cement concrete items?	Y		Y		Y		
INC005	Road and Bridge Specifications	502	Incidental Concrete Items	Are forms free of warp and braced to prevent deflection during concrete placement?	Y		Y		Y		
INC006	Road and Bridge Specifications	502	Incidental Concrete Items	Are radial forms sufficiently flexible or otherwise designed to provide a smooth, uniform, curved surface of the required radius?	Y		Y		Y		
INC007	Road and Bridge Specifications	502	Incidental Concrete Items	Are face forms removed as soon as concrete has attained sufficient set and exposed surfaces then smoothed with a suitable finishing tool?	Y				Y		
INC008	Road and Bridge Specifications	502	Incidental Concrete Items	Are transverse joints for crack control in hydraulic cement concrete items provided at the specified locations and times?	Y		Y		Y		
INC009	Road and Bridge Specifications	502	Incidental Concrete Items	Are sections of concrete items the minimum length required?	Y		Y		Y		
INC010	Road and Bridge Specifications	502	Incidental Concrete Items	Are crack control joints formed by the methods indicated?	Y		Y		Y		
INC011	Road and Bridge Specifications	502	Incidental Concrete Items	Are expansion joints placed at 100'± intervals, all radii points on concrete entrances and curb returns, and 6 to 10 feet from drop inlets?	Y		Y		Y		
INC012	Road and Bridge Specifications	502	Incidental Concrete Items	Is concrete sufficiently consolidated to produce a closed surface and edges rounded to a 1/4-inch radius?	Y		Y		Y		
INC013	Road and Bridge Specifications	502	Incidental Concrete Items	Are exposed surfaces immediately adjacent to the roadway, except concrete median barrier, given a light broom finish?	Y		Y		Y		
INC014	Road and Bridge Specifications	502	Incidental Concrete Items	Are concrete median barriers given a Class 1 finish in accordance with Section 404.07(a) of Hydraulic Cement Concrete Operations?	Y		Y		Y		
INC015	Road and Bridge Specifications	502	Incidental Concrete Items	Are paved ditches and flumes given a coarse or roughened texture?	Y		Y		Y		
INC016	Road and Bridge Specifications	502	Incidental Concrete Items	Are irregularities in the face & tops of curbs no more than 3/8" per 10' with vertical alignment smooth enough to ensure complete drainage?	Y		Y		Y		
INC017	Road and Bridge Specifications	502	Incidental Concrete Items	Has the concrete been cured and protected in accordance with Section 316.04(j) of Hydraulic Cement Concrete Pavement?	Y		Y		Y		
INC018	Road and Bridge Specifications	502	Incidental Concrete Items	When mountable curb or combination mountable curb and gutter is placed, are adjacent curbs modified to provide a mountable shape?	Y		Y		Y		
INC019	Road and Bridge Specifications	502	Incidental Concrete Items	Is integral curb placed within 45 minutes of slab placement?	Y		Y		Y		
INC020	Road and Bridge Specifications	502	Incidental Concrete Items	Is the surface of the slab on which integral curb is to be placed roughened or doweled to improve bonding?	Y		Y		Y		
INC021	Road and Bridge Specifications	502	Incidental Concrete Items	Has the curb, gutter, and combination curb and gutter been backfilled and the material compacted within 3 to 7 days?	Y		Y		Y		
INC022	Road and Bridge Specifications	502	Incidental Concrete Items	Are asphalt concrete curbs placed on a clean dry surface which has been tacked at a rate between 0.05 and 0.15 gallons/square yard prior to asphalt placement?	Y		Y		Y		
INC023	Road and Bridge Specifications	502	Incidental Concrete Items	Does slipforming equipment produce equal or better than that of fixed form construction?	Y		Y		Y		
INC024	Road and Bridge Specifications	502	Incidental Concrete Items	Does the Contractor prevent the spread of bituminous material outside the curb area?	Y		Y		Y		
INC025	Road and Bridge Specifications	502	Incidental Concrete Items	Is asphalt concrete curb placed by machine except when short sections are required?	Y		Y		Y		
INC026	Road and Bridge Specifications	502	Incidental Concrete Items	Has Contractor placed 1 1/2" thick expansion joint material against each fixed object prior to placement of slipforming concrete on median barriers?	Y		Y		Y		

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INC027	Road and Bridge Specifications	502	Incidental Concrete Items	Is bituminous concrete paved ditch placed in a manner which seals the surface sufficiently to provide a smooth, uniform, and dense texture?	Y		Y		Y		
INC028	Road and Bridge Specifications	502	Incidental Concrete Items	During slipforming is reinforcing steel tied 100% at all intersections to prevent movement of cage during operations?	Y		Y		Y		
INC029	Road and Bridge Specifications	502	Incidental Concrete Items	Has the Contractor anchored curb & gutter to existing pavement by means of smooth dowels or approved adhesive?	Y		Y		Y		
INC030	Road and Bridge Specifications	502	Incidental Concrete Items	Are concrete median barriers constructed to within a +/- 1/2 inch tolerance for overall depth and width, +/- 1/4 inch for width of the upper portion, and +/- 1/4 inch per 10 feet for horizontal alignment?	Y		Y		Y		
INC031	Road and Bridge Specifications	502	Incidental Concrete Items	Are concrete median barriers backfilled in accordance with this section?	Y		Y		Y		
INC032	Road and Bridge Specifications	502	Incidental Concrete Items	Are delineators installed on median barriers in accordance with Section 702.04(b) of Delineators?	Y		Y		Y		
LEG001	Road and Bridge Specifications	107.02(a-j)	Legal Responsibilities - Permits, Certificates, and Licenses	Are all new pipes and/or culverts for road crossings on perennial streams and intermittent streams being countersunk at appropriate depths in accordance with applicable permits and plan requirements?	Y	Y			Y		
LEG002	Road and Bridge Specifications	107.02(a-j)	Legal Responsibilities - Permits, Certificates, and Licenses	Are all temporary structures in permitted jurisdictional areas properly maintained?	Y		Y		Y		
LEG003	Virginia Code	16VAC25-97-30	Legal Responsibilities- Construction Safety and Health Standards	Do vehicles and or equipment with an obstructed view to the rear have an operational reverse signal alarm AND a designated observer/ground guide to ensure that it is safe to operate in reverse?	Y		Y		Y		
LEG004		OSHA	Legal Responsibilities- Construction Safety and Health Standards	Is the correct angle of repose or adequate shoring being used for trenches or excavations 5 feet or more in depth?	Y		Y		Y		
LEG005		OSHA	Legal Responsibilities- Construction Safety and Health Standards	Does the Contractor's competent person for excavation monitor all excavation sites?	Y		Y		Y		
LEG006		OSHA	Legal Responsibilities- Construction Safety and Health Standards	Are all employees wearing proper head protection as required?	Y		Y		Y		
LEG007		OSHA	Legal Responsibilities- Construction Safety and Health Standards	Are employees using personal protective equipment for eyes, hands, feet, and any other body parts as required?	Y		Y		Y		
LEG008		OSHA	Legal Responsibilities- Construction Safety and Health Standards	Where needed, is the proper fall protection device/devices being used?	Y		Y		Y		
LEG009		OSHA	Legal Responsibilities- Construction Safety and Health Standards	Has the Contractor's qualified person monitored the fall protection devices to see that they meet current standards as per Safety Requirements?	Y		Y		Y		
LEG010		OSHA	Legal Responsibilities- Construction Safety and Health Standards	Are employees who are exposed to vehicular traffic wearing traffic vest?	Y		Y		Y		
LEG011		OSHA	Legal Responsibilities- Construction Safety and Health Standards	Have required measures been taken prior to employees entering a confined space?	Y		Y		Y		
LEG012		OSHA	Legal Responsibilities- Construction Safety and Health Standards	Has the Contractor's qualified person monitored/documented said measures prior to employees entering a confined space?	Y		Y		Y		
LEG013	Road and Bridge Specifications	303.03	Legal Responsibilities- Environmental Stipulations	* Is the Contractor inspecting and immediately responding to install and correct or maintain erosion and siltation measures so they function properly or when conditions dictate?	Y		Y		Y		

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LEG014	Road and Bridge Specifications	107.16(b)1	Legal Responsibilities-Environmental Stipulations	Is construction discharge water being filtered to remove deleterious materials prior to discharge into state waters?	Y		Y		Y		
LEG015	Road and Bridge Specifications	107.16(b)1	Legal Responsibilities-Environmental Stipulations	Is the Contractor using mats or other approved materials in wetlands areas to support construction equipment if required?	Y		Y		Y		
LEG016	Road and Bridge Specifications	107.16(b)1	Legal Responsibilities-Environmental Stipulations	Are excavated materials being disposed of in an approved area above the mean high water elevation in a manner that will prevent their return into state waters?	Y		Y		Y		
LEG017	Road and Bridge Specifications	107.16(b)1	Legal Responsibilities-Environmental Stipulations	Has the Contractor prevented stream constriction which would reduce flows below the minimum (normally 50%), as defined by the DEQ - Water Division and contract requirements?	Y		Y		Y		
LEG018	Road and Bridge Specifications	107.16(b)1	Legal Responsibilities-Environmental Stipulations	Has the Contractor submitted for approval his design and method of temporarily relocating streams to facilitate construction?	Y		Y		Y		
LEG019	Road and Bridge Specifications	107.16(b)2	Legal Responsibilities-Environmental Stipulations	Has the Contractor's burning been approved and is it in compliance with the DEQ-Air Division Pollution Control Laws and Rules, the local laws and ordinances?	Y		Y		Y		
LEG020	Road and Bridge Specifications	107.16(e)4	Legal Responsibilities-Environmental Stipulations	Has the Contractor/subcontractor completed form C-107 (construction runoff control inspection form) as required?	Y		Y		Y		
LIG001	Road and Bridge Specifications	705	Lighting Systems	Does the Contractor verify or locate the origin of the power source and verify voltage when modifying, removing, or relocating existing electrical systems?	Y		Y		Y		
LIG002	Road and Bridge Specifications	705	Lighting Systems	Does the Contractor notify the Engineer at least 48 hours in advance of his anticipated time of de-energizing any portion of the electrical system?	Y			Y	Y		
LIG003	Road and Bridge Specifications	705	Lighting Systems	Are the luminaires for roadway lighting installed in accordance with this section?	Y		Y		Y		
LIG004	Road and Bridge Specifications	705	Lighting Systems	Are sign and high mast luminaires installed in accordance with this section?	Y		Y		Y		
LIG005	Road and Bridge Specifications	705	Lighting Systems	Are ballasts installed in accordance with this section?	Y		Y		Y		
LIG006	Road and Bridge Specifications	705	Lighting Systems	Are control centers installed in accordance with this section?	Y		Y		Y		
LIG007	Road and Bridge Specifications	705	Lighting Systems	Are electrical components tested in accordance with the Contact Requirements?	Y		Y		Y		
LIG008		QA/QC Plan	Lighting Systems	Have all documentation and required testing been performed by QA & QC prior to the associated activity being paid?				Y	Y		
LIM001		Contract	Lime Stabilization	Has QC performed testing at the frequency required and are their results correctly documented?			Y	Y	Y		
LIM002		Contract	Lime Stabilization	Do the QA diaries and test reports clearly describe the work performed and include details verifying proper testing procedures including frequency of the tests performed and their results?				Y	Y		
LIM003		Contract	Lime Stabilization	Have IA/IV tests been performed and documented at the required frequency and results verified to meet Contract requirements?					Y		
LIM004		Contract	Lime Stabilization	Has all QA/QC/IA responsibilities been satisfied prior to payment of activity?				Y	Y		
LIM005		Contract	Lime Stabilization	Has the surface to receive Lime Stabilization been prepared and Placement, Finishing and curing methods performed as per the contract and QA/QC Manual?	Y		Y		Y		
MAT001	Part 2	2.14.2	Materials	Has the Design-Builder submitted documentation of the source of materials?	Y		Y		Y		
MAT002	Part 2	2.14.2	Materials	Have Quality Assurance and Quality Control testing been provided by the Design-Builder of all off-site materials?	Y				Y		

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MAT003	Part 2	2.14.2	Materials	Did the Quality Assurance Manager establish quantities prior to commencing construction and provide VDOT the total number of tests for Quality Control, Quality Assurance, Owner's Independent Assurance, and Owner's Independent Verification Sampling and Testing?				Y	Y		
MAT004	Part 2	2.14.2	Materials	Do all construction Quality Assurance personnel hold current VDOT materials certifications for the types of materials testing that they are assigned to perform in accordance with Section 3.6 of the January 2012 QA/QC Guide?				Y	Y		
MAT005	Part 2	2.14.2	Materials	Do all construction Quality Control personnel hold current VDOT materials certifications for the types of materials testing that they are assigned to perform in accordance with Section 3.6 of the January 2012 QA/QC Guide?			Y	Y	Y		
MAT006	QA/QC	5.2.2.7	Materials	Has the Quality Assurance Manager submitted frequencies, locations, and methods for QC, QA, OIA, and OVST sampling and testing prior to initiating work packages?				Y	Y		
MAT007	QA/QC	5.4.7	Materials	Are follow-up inspections, sampling and testing of materials performed at a minimum in the frequencies shown in the Minimum Requirements for Quality Assurance and Quality Control Manual?			Y	Y	Y		
MAT008	QA/QC	5.5.1	Materials	Are Design-Builder field and laboratory sampling and testing of materials performed at a minimum in the frequencies shown in the Minimum Requirements for Quality Assurance and Quality Control Manual?			Y	Y	Y		
MAT009	QA/QC	5.6	Materials	Were all sampling and testing performed by a laboratory that is accredited in the applicable AASHTO procedures by the AASHTO Accreditation Program (AAP) and for test methods not accredited by AAP, the laboratory complied with AASHTO R18 (most current Edition) and was approved by the Department?	Y				Y		
MAT010	QA/QC	5.19.1	Materials	Has the Design-Builder submitted a C-25, Source of Materials form, for materials the Department retains responsibility for testing?	Y				Y		
MAT011	QA/QC	5.21.2	Materials	Did the QAM actively maintain the Project's Materials Notebook, recording materials used, source of material and method of verification used to demonstrate compliance with Department standards?				Y	Y		
MAT012	QA/QC	5.21.3	Materials	Did the QAM approve all Materials Test Reports prior to submission to the Department?				Y	Y		
MAT013	SP	106.08-9	Materials	Are materials being stored and handled in a manner to ensure the preservation of their quality, integrity, and fitness for the work?	Y		Y		Y		
MOT001	Road and Bridge Specifications	512	Maintaining Traffic	Are the work area zones in compliance with the guidelines as shown in the Typical Traffic Control figure of the Work Area Protection Manual and contract documents?	Y		Y		Y		
MOT002	Road and Bridge Specifications	512	Maintaining Traffic	Do signalization, barricades, channelizing devices, pavement markings and other safety devices conform to the requirements of specifications and MUTCD (materials)?	Y		Y		Y		
MOT003	Road and Bridge Specifications	512	Maintaining Traffic	Are reflectorized surfaces made from lens sheeting conforming to the requirements of Section 235, 247.02, and 702?	Y		Y		Y		
MOT004	Road and Bridge Specifications	512	Maintaining Traffic	Are clearance values being maintained as indicated in the Safety Guidelines for Construction Zones of the Work Area Protection Manual?	Y		Y		Y		
MOT005	Road and Bridge Specifications	512	Maintaining Traffic	Is traffic maintained and protected in accordance with the general provisions sections on Maintenance During Construction (Section 105.14) and Barricades & Warning Signs? [2002 - Ref 107.10]	Y		Y		Y		
MOT006	Road and Bridge Specifications	512	Maintaining Traffic	Are barricades, barriers and other safety devices inspected daily by the Contractor and deficiencies immediately corrected?	Y		Y		Y		
MOT007	Road and Bridge Specifications	512	Maintaining Traffic	Does the Contractor furnish and install signs when required, maintain signs and furnish accessory items in accordance with this section?	Y		Y		Y		
MOT008	Road and Bridge Specifications	512	Maintaining Traffic	Does the Contractor provide certified flagger service and pilot vehicles when required in accordance with this section?	Y		Y		Y		
MOT009	Road and Bridge Specifications	512	Maintaining Traffic	Are electronic arrows furnished, maintained, and moved in accordance with this section and the VA Work Area Protection Manual or Traffic Control Plan?	Y		Y		Y		
MOT010	Road and Bridge Specifications	512	Maintaining Traffic	Are the type and spacing of warning lights in accordance with this section?	Y		Y		Y		

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					Design-Builder	Design-Builder's Design Firm	Quality Control	Quality Assurance	Independent Assurance/ Independent Verification		
MOT011	Road and Bridge Specifications	512	Maintaining Traffic	Are the type and spacing of channelizing devices in accordance with this section?	Y		Y		Y		
MOT012	Road and Bridge Specifications	512	Maintaining Traffic	Does the Contractor continuously prosecute the work until completion once the barrier is in place?	Y		Y		Y		
MOT013	Road and Bridge Specifications	512	Maintaining Traffic	Is the barrier service removed as soon as construction work is completed to the extent the barrier service is no longer required?	Y		Y		Y		
MOT014	Road and Bridge Specifications	512	Maintaining Traffic	Are barrier openings only in tangent sections or along the inside of curved sections and limited to the minimum length required for access?	Y		Y		Y		
MOT015	Road and Bridge Specifications	512	Maintaining Traffic	Is the normal pavement alignment at the barrier opening maintained with removable pavement markings?	Y		Y		Y		
MOT016	Road and Bridge Specifications	512	Maintaining Traffic	Are ingress and egress openings in accordance with the requirements of this section?	Y		Y		Y		
MOT017	Road and Bridge Specifications	512	Maintaining Traffic	Are delineators installed on barrier service in accordance with Section 702, Delineators?	Y		Y		Y		
MOT018	Road and Bridge Specifications	512	Maintaining Traffic	Does the Contractor maintain the alignment and structural integrity of the barrier, and are warning lights, delineators, vertical panels, and other devices on barrier service in a clean and visible condition at all times?	Y		Y		Y		
MOT019	Road and Bridge Specifications	512	Maintaining Traffic	Is guardrail barrier service in accordance with this section?	Y		Y		Y		
MOT020	Road and Bridge Specifications	512	Maintaining Traffic	Is concrete barrier service installed in accordance with the plans and standard drawings or as directed by the Engineer?	Y		Y		Y		
MOT021	Road and Bridge Specifications	512	Maintaining Traffic	When barrier terminates at a guardrail, are fixed object attachments in accordance with the applicable standards?	Y		Y		Y		
MOT022	Road and Bridge Specifications	512	Maintaining Traffic	Is precast concrete parapet service anchored as shown on the plans?	Y		Y		Y		
MOT023	Road and Bridge Specifications	512	Maintaining Traffic	Upon parapet removal, are anchor holes cleaned and filled with the proper epoxy mortar EP4 or EP5?	Y		Y		Y		
MOT024	Road and Bridge Specifications	512	Maintaining Traffic	If Contractor used Traffic Barrier Service not shown on the Department's Approved List, did the Contractor submit to the Department a copy of the FHWA acceptance letter indicating compliance with NCHRP Report 350 prior to it being used?	Y		Y		Y		
MOT025	Road and Bridge Specifications	512	Maintaining Traffic	Is impact attenuator service in accordance with this section?	Y		Y		Y		
MOT026	Road and Bridge Specifications	512	Maintaining Traffic	When specified on the plans, did the Contractor install and maintain temporary or portable traffic control signalization equipment?	Y		Y		Y		
MOT027	Road and Bridge Specifications	512	Maintaining Traffic	Did the Contractor submit and have approved a plan to the Engineer for locating, installing and maintaining signals that depicted the intended traffic flows during construction operations, including type of vehicle detection, phase sequencing and timing?	Y			Y	Y		
MOT028	Road and Bridge Specifications	512	Maintaining Traffic	If electrical service is not available, does the Contractor provide a generator capable of continuously operating for at least 24 hours unassisted?	Y		Y		Y		
MOT029	Road and Bridge Specifications	512	Maintaining Traffic	Are construction pavement markings installed at locations shown on the plans, and the Work Area Protection Manual and at other locations as determined by the Engineer?	Y		Y		Y		
MOT030	Road and Bridge Specifications	512	Maintaining Traffic	Are construction pavement markings Type D, E, & F installed in accordance with the manufacturer's recommendations?	Y		Y		Y		
MOT031	Road and Bridge Specifications	512	Maintaining Traffic	Have construction pavement markings been maintained and deficiencies been corrected in accordance with this spec?	Y		Y		Y		
MOT032	Road and Bridge Specifications	512	Maintaining Traffic	Are pavement markings that may conflict with desired traffic movement eradicated as soon as is practicable?	Y		Y		Y		
MOT033	Road and Bridge Specifications	512	Maintaining Traffic	Are temporary pavement markers installed with construction pavement markings in work zones that occupy the traveled roadway for a period of more than three days?	Y		Y		Y		
MOT034	Road and Bridge Specifications	512	Maintaining Traffic	Are temporary pavement markers installed in transition areas on 20-foot centers and in all other areas on 40-foot centers unless otherwise required by the Engineer?	Y		Y		Y		

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MOT035	Road and Bridge Specifications	512	Maintaining Traffic	Are temporary pavement markers located in alignment with the pavement markings?	Y		Y		Y		
MOT036	Road and Bridge Specifications	512	Maintaining Traffic	When double line pavement markings separating traffic are installed, are two-way markers installed on each line, unless the Contractor elects to install two one-way markers?	Y		Y		Y		
MOT037	Road and Bridge Specifications	512	Maintaining Traffic	Are detours provided in accordance with this section?	Y		Y	Y	Y		
MOT038	Road and Bridge Specifications	512	Maintaining Traffic	Is aggregate material placed in accordance with this section?	Y		Y		Y		
MOT039	Road and Bridge Specifications	512	Maintaining Traffic	Are construction pavement message markings installed in accordance with this section?	Y		Y		Y		
MOT040	Road and Bridge Specifications	512	Maintaining Traffic	Is eradication and containment being performed in accordance with this section?	Y		Y		Y		
MOT041	Road and Bridge Specifications	512	Maintaining Traffic	Are markings for lane shifts/transitions 100% eradicated?	Y		Y		Y		
MOT042	Road and Bridge Specifications	512	Maintaining Traffic	Is Type E Black Construction Pavement Marking applied and/or removed in accordance with this section?	Y		Y		Y		
MOT043	Road and Bridge Specifications	512	Maintaining Traffic	Have temporary pavement markers been installed in accordance with this section?	Y		Y		Y		
MOT044	Road and Bridge Specifications	512	Maintaining Traffic	Are stabilized construction entrances used in construction areas where there is a potential for construction vehicles to track material from the construction site onto a paved surface?	Y		Y		Y		
MOT045	Road and Bridge Specifications	512	Maintaining Traffic	Has the Contractor assigned a Traffic Control Supervisor (TCS) and submitted to the ACE a valid copy of their TCS certificate prior to commencing work requiring work zone traffic control management?	Y		Y		Y		
MOT046	Road and Bridge Specifications	512	Maintaining Traffic	Does the traffic control supervisor perform the specified duties and keep a diary?	Y		Y		Y		
MOT047	Road and Bridge Specifications	512	Maintaining Traffic	Are unsafe traffic conditions corrected within 24 hours for critical items and 72 hours for non-critical items after such notification is given to the Contractor in writing by the ACE?	Y			Y	Y		
MOT048	Road and Bridge Specifications	512	Maintaining Traffic	Did the Contractor prior to use submit the required documentation and does the Truck Mounted Attenuator meet all the requirements of this section?	Y		Y		Y		
MOT049		QA/QC Plan	Maintaining Traffic	Have all documentation and required testing been performed by QA & QC prior to the associated activity being paid?				Y	Y		
NCR001	Part 2	2.14.2	Non-conformance	Is the Quality Assurance Manager documenting all deficiencies (non-conformance), including those pertaining to rules, regulations, and permit requirements?				Y	Y		
NCR002	Part 2	2.14.2	Non-conformance	Are Non-Conformance Reports forwarded to the Contractor and VDOT within 24 hours of discovery of the Non-Conformance?				Y	Y		
NCR003	Part 4	2.10.2	Non-conformance	Did the Design-Builder take meaningful steps to correct nonconforming work within 7 days notices from either VDOT or the QAM?	Y			Y	Y		
NCR004	QA/QC	2.1.3.5	Non-conformance	Are non-conformance reports, respective to Work Packages, resolved prior to QAM certification of Application for Payment?	Y			Y	Y		
NCR005	QA/QC	5.1	Non-conformance	Does the Design-Builder address construction and design deficiencies in accordance with the Quality Assurance Auditing and Nonconformance Recovery Plan?	Y				Y		
NCR006	QA/QC	5.8.1	Non-conformance	Does the Design-Builder take corrective action in a timely manner to resolve any deficiencies resulting from failing test results provided by Department's Independent Assurance?	Y				Y		
NCR007	QA/QC	5.10.1	Non-conformance	Did the Design-Builder establish and maintain a Quality Assurance Auditing and Nonconformance Recovery Plan (AR Plan) for uniform reporting, controlling, correction and disposition and resolution of nonconformance (including disputed nonconforming items) issues that may arise on the Project?	Y				Y		
NCR008	QA/QC	5.10.5.2	Non-conformance	Are the Nonconformance Reports for the project being logged and tracked?	Y			Y	Y		
NCR009	QA/QC	5.11.1	Non-conformance	Are deficient conditions removed and replaced or otherwise approved by VDOT?	Y				Y		

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NSE001	Part 2	2.4.8	Noise	Was a Final Design Noise Analysis submitted to VDOT for review and approved?	Y				Y		
NSE002	Part 2	2.4.8	Noise	Did the Design-Builder have the noise consultant who completed the Noise Abatement Design Report certify the proposed design meets noise abatement requirements prior to submitting a sound wall plan?	Y				Y		
PCM001	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Prior to beginning painting operations, did the Contractor submit to the Engineer and have reviewed for completeness a detailed site specific environmental plan conforming to the requirements of the contract documents?	Y			Y	Y		
PCM002	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	During the startup and removal portions of paint removal operations, is the Contractor's Certified Industrial Hygienist (CIH), SSPC Supervisor (as identified in the Environmental Plan) present on site?	Y			Y	Y		
PCM003	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Has the Contractor submitted proof of certification in accordance with this section prior to commencing coating application, as needed?	Y		Y		Y		
PCM004	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Were the coatings mixed in accordance with the manufacturer's recommendations?	Y		Y		Y		
PCM005	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Were zinc-rich coatings applied from containers equipped with a mechanical agitator kept in motion throughout the application period unless otherwise specified by the manufacturer?	Y		Y		Y		
PCM006	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Were all surfaces prepared in accordance with the contract documents prior to coating application?	Y		Y		Y		
PCM007	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Did QC perform testing and recorded the results to verify that the surface prep has been performed according contract documents?			Y	Y	Y		
PCM008	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Did QA perform testing and recorded the results to verify that the surface prep has been performed according contract documents prior to payment of pay package?				Y	Y		
PCM009	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Has the Contractor provided evidence of certification to perform coating removal from Type B structures in accordance with the contract documents?	Y			Y	Y		
PCM010	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Has the Contractor provided certification by a Professional Engineer, if required, in accordance with the contract documents?	Y			Y	Y		
PCM011	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Does the application of the coating result in a tight film of specified thickness that is well bonded to metal or underlying coatings, including crevices and corners?	Y		Y		Y		
PCM012	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Is the application free from laps, streaks, sags, runs, overspray, dry spray, shadow through, skips, excessive film build-up, mud cracking, misses, and other defects?	Y		Y		Y		
PCM013	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Were all deficient, impaired, or damaged areas of each coat repaired using material from the contract documents?	Y		Y		Y		
PCM014	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Were preceding coats dried or cured and approved by QA/QC prior to application of subsequent coats?	Y		Y		Y		
PCM015	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	When located within 5` of a deck joint on New and Existing structures, were all uncoated weathering steel items including the entire outside surface of fascia girders and beams, thoroughly cleaned no less than 6 inches outside the coated area and painted with the approved paint system in the contract documents?	Y		Y		Y		
PCM016	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Has the Contractor collected and contained all solid and liquid waste during surface preparation in accordance with this section?	Y		Y		Y		
PCM017	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Was the coating application not done when weather conditions are as noted in this section unless recommended by the manufacturer and the contract documents?	Y		Y		Y		
PCM018	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Has QC recorded and documented in the project files all aspects to verify that preparation and coatings were placed according to contract requirements?			Y	Y	Y		
PCM019	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Has QA recorded and documented in the project files all aspects to verify that preparation and coatings were placed according to contract requirements?				Y	Y		
PCM020	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Has VDOT IA/IV performed checks and verified all elements of the painting operation were performed according to contract documents?					Y		
PCM021	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Were surfaces to be field coated cleaned according to the contract documents?	Y		Y		Y		
PCM022	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Were surfaces that will be inaccessible after assembly and erection coated prior to assembly?	Y		Y		Y		

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PCM023	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Has the Contractor maintained a daily record of coating removal or application as required in this section?	Y		Y		Y		
PCM024	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Has the Contractor stenciled a legend as required at a location approved by the Engineer?	Y			Y	Y		
PCM025	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Were all remaining coatings in existing structures prepared and coated in accordance with the requirements of the contract documents?	Y		Y		Y		
PCM026	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Were existing uncoated galvanized surfaces cleaned in accordance with the requirements of this section then coated with a coating system that meets the contract requirements?	Y		Y		Y		
PCM027	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Were new galvanized surfaces cleaned in accordance with recommendations of the coating manufacturer and coated with a coating system from the contract documents?	Y		Y		Y		
PCM028	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Did the Contractor submit a detailed site-specific worker health and safety plan approved by a CIH or SSPC QP-2 Supervisor/Competent Person conforming to the requirements of this section at least 3 weeks prior to commencing operations as required in the contract documents?	Y			Y	Y		
PCM029	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Was material from Type A & B structures stored and disposed of according to the requirements of the contract documents?	Y			Y	Y		
PCM030	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Has the Contractor certified that all non-hazardous solid and liquid waste materials from Type A and B structures have been disposed of in accordance with the contract documents?	Y			Y	Y		
PCM031	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Has the Contractor disposed of material from a Type B structure classified as hazardous and executed proper documents with the contract documents?	Y			Y	Y		
PCM032	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Has the Contractor provided certification as specified in the contract documents within one week of completing lead based paint activities?	Y			Y	Y		
PCM033	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Has the monitoring of the Contractor's operations been performed for worker health and safety and environmental plans in accordance with the contract documents?	Y		Y		Y		
PCM034	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Has the CIH or SSPC QP-2 Supervisor/Competent Person provided written certification at the completion of the project as required in the contract documents?	Y		Y		Y		
PCM035	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Has the Contractor performed air monitoring and submitted analysis to the Engineer as specified in the contract documents?	Y		Y		Y		
PCM036	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	After installation and approval by the Engineer, were galvanized bolts or bolts protected with approved coatings cleaned and coated in accordance with the contract documents?	Y		Y		Y		
PCM037	Road and Bridge Specifications	411	Protective Coating of Metal in Structures	Were all uncoated surfaces and deficient or damaged areas cleaned in accordance with requirements of the coating manufacturer and primed with a touch up primer from System B?	Y		Y		Y		
PCM038		QA/QC Plan	Protective Coating of Metal in Structures	Have all documentation and required testing been performed by QA & QC prior to the associated activity being paid?				Y	Y		
PEJ001	Road and Bridge Specifications	420	Preformed Elastomeric Joint Sealer	Has the joint sealer been installed in reasonably close conformity with the specifications?	Y		Y		Y		
PEJ002	Road and Bridge Specifications	420	Preformed Elastomeric Joint Sealer	Have all materials been tested for conformity with Section 212, Joint Materials?	Y		Y		Y		
PEJ003	Road and Bridge Specifications	420	Preformed Elastomeric Joint Sealer	Is the joint formed to provide the nominal opening at the specified temperature as shown on the plans?	Y		Y		Y		
PEJ004	Road and Bridge Specifications	420	Preformed Elastomeric Joint Sealer	Are the sides of the joint parallel to each other?	Y		Y		Y		
PEJ005	Road and Bridge Specifications	420	Preformed Elastomeric Joint Sealer	Are edges of concrete adjacent to the joint rounded to a radius of not more than 1/4 inch?	Y		Y		Y		
PEJ006	Road and Bridge Specifications	420	Preformed Elastomeric Joint Sealer	Was the joint thoroughly cleaned to remove all foreign material prior to sealer placement?	Y		Y		Y		
PEJ007	Road and Bridge Specifications	420	Preformed Elastomeric Joint Sealer	Was the joint material placed as per contract requirements?	Y		Y		Y		

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PLA001	Road and Bridge Specifications	605	Planting	Does the Contractor notify the Department at least 48 hours prior to beginning work?	Y		Y		Y		
PLA002	Road and Bridge Specifications	605	Planting	Does the Contractor obtain plants from approved sources?	Y		Y		Y		
PLA003	Road and Bridge Specifications	605	Planting	Are changes in quantity, size, kind, or quality of plants requested in writing and approved by the Engineer?	Y			Y	Y		
PLA004	Road and Bridge Specifications	605	Planting	When substitute plants are used, does the Contractor indicate the reduced cost, if any, that the Department will accrue as a result of the substitution?	Y			Y	Y		
PLA005	Road and Bridge Specifications	605	Planting	Are plant locations and layouts staked in ample time to allow inspection and approval by the Engineer prior to digging being started?	Y		Y		Y		
PLA006	Road and Bridge Specifications	605	Planting	Does a copy of the current Certificate of Nursery Inspection accompany each shipment of plants?	Y		Y		Y		
PLA007	Road and Bridge Specifications	605	Planting	Are shipments of plants labeled in accordance with this section?	Y		Y		Y		
PLA008	Road and Bridge Specifications	605	Planting	Are plants stored in accordance with the requirements of this section?	Y		Y		Y		
PLA009	Road and Bridge Specifications	605	Planting	Are plants that have been stored over 30 days used only with the approval of the Engineer?	Y		Y		Y		
PLA010	Road and Bridge Specifications	605	Planting	Does the Contractor, at the Engineers discretion, relocate or delete plants from the contract that encounter underground obstructions or unforeseeable conditions?	Y			Y	Y		
PLA011		QA/QC Plan	Planting	Have all documentation and required testing been performed by QA & QC prior to the associated activity being paid?				Y	Y		
PLP001	Road and Bridge Specifications	515	Planing Pavement	Has the pavement been planed to the designated depth?	Y		Y		Y		
PLP002	Road and Bridge Specifications	515	Planing Pavement	Is planing performed with a pavement planing machine of a type that has operated successfully on work comparable to that specified in the Contract?	Y		Y		Y		
PLP003	Road and Bridge Specifications	515	Planing Pavement	Are all vehicles in use under traffic using the proper lights and arrows?	Y		Y		Y		
PLP004	Road and Bridge Specifications	515	Planing Pavement	Have all irregularities and high spots in the pavement been eliminated?	Y		Y		Y		
PLP005	Road and Bridge Specifications	515	Planing Pavement	Where the pavement is to be resurfaced, has a one-inch shoulder been cut along the gutter line to eliminate feathering the edge of the new surface?	Y		Y		Y		
PLP006	Road and Bridge Specifications	515	Planing Pavement	Have pavement cuttings been disposed of in accordance with the Contract requirements on Disposal Areas?	Y		Y		Y		
PLP007	Road and Bridge Specifications	515	Planing Pavement	Is the planed surface free from gouges, grooves, ridges, soot, oil film, and other imperfections and have a mosaic appearance suitable as a riding surface?	Y		Y		Y		
PLP008	Road and Bridge Specifications	515	Planing Pavement	Are hot planing methods in accordance with this section?	Y		Y		Y		
PLP009	Road and Bridge Specifications	515	Planing Pavement	Are milling and cold planing methods in accordance with this section?	Y		Y		Y		
PLP010		QA/QC Plan	Planing Pavement	Have all documentation and required testing been performed by QA & QC prior to the associated activity being paid?				Y	Y		
PMM001	Road and Bridge Specifications	704	Pavement Markings & Markers	Do all materials conform to the requirements of this section?	Y		Y		Y		
PMM002	Road and Bridge Specifications	704	Pavement Markings & Markers	Are the pavement markings white or yellow for the specific location as required by the MUTCD or as specified by the Engineer?	Y		Y		Y		
PMM003	Road and Bridge Specifications	704	Pavement Markings & Markers	Was the installed height of snow plowable raised pavement markers approximately 1/2 inch above the pavement surface and nose of casting installed flush with pavement surface?	Y		Y		Y		
PMM004	Road and Bridge Specifications	704	Pavement Markings & Markers	Are pavement markings installed in accordance with Table VII-1 unless otherwise recommended by the manufacturer and approved by the Engineer?	Y		Y		Y		
PMM005	Road and Bridge Specifications	704	Pavement Markings & Markers	Did the Contractor furnish a copy of the manufacturer's installation recommendations to the Engineer?	Y		Y		Y		

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PMM006	Road and Bridge Specifications	704	Pavement Markings & Markers	Did the Contractor, in the presence of the Engineer, perform quality control testing for application thickness and glass bead rate at the beginning of each workday and every three hours thereafter?	Y		Y		Y		
PMM007	Road and Bridge Specifications	704	Pavement Markings & Markers	Was Form C-85: Pavement Marking, Contractors Daily Log and Quality Control Report, maintained according to the requirements of this section?	Y		Y		Y		
PMM008	Road and Bridge Specifications	704	Pavement Markings & Markers	Were crosswalks and stop lines installed using Type B, Class I or IV markings?	Y		Y		Y		
PMM009	Road and Bridge Specifications	704	Pavement Markings & Markers	Were solid lines or skip lines installed using Type A or Type B markings as specified?	Y		Y		Y		
PMM010	Road and Bridge Specifications	704	Pavement Markings & Markers	Were pavement message markings installed using Type B, Class I, IV, or VI markings?	Y		Y		Y		
PMM011	Road and Bridge Specifications	704	Pavement Markings & Markers	Did the Contractor protect the public from damage attributed to pavement marking operations?	Y		Y		Y		
PMM012	Road and Bridge Specifications	704	Pavement Markings & Markers	Did the Contractor prepare the roadway surface in accordance with this section immediately prior to the installation of pavement markings?	Y		Y		Y		
PMM013	Road and Bridge Specifications	704	Pavement Markings & Markers	Was the pavement surface dry at time of application with no material being applied within 24 hours following rain or other inclement weather?	Y		Y		Y		
PMM014	Road and Bridge Specifications	704	Pavement Markings & Markers	Were liquid markings applied so as to prevent splattering and overspray and protected from traffic until track free?	Y		Y		Y		
PMM015	Road and Bridge Specifications	704	Pavement Markings & Markers	Were pavement markings applied evenly and have a uniform application and appearance, exhibit good workmanship, and appear clearly visible at all times?	Y		Y		Y		
PMM016	Road and Bridge Specifications	704	Pavement Markings & Markers	Were glass beads applied at the specified rate and evenly distributed over the entire surface of the marking?	Y		Y		Y		
PMM017	Road and Bridge Specifications	704	Pavement Markings & Markers	Were beads applied to the surface of liquid markings, unless otherwise noted, by a dispenser that is equipped with a synchronized cut-off control and attached to the applicator?	Y		Y		Y		
PMM018	Road and Bridge Specifications	704	Pavement Markings & Markers	Does the Contractor provide copies of certified delivery tickets for all pavement marking materials? (C-85)	Y		Y		Y		
PMM019	Road and Bridge Specifications	704	Pavement Markings & Markers	Did the Contractor have a certified Pavement Marking Technician present during pavement marking operations?	Y		Y		Y		
PMM020	Road and Bridge Specifications	704	Pavement Markings & Markers	Were pavement marking installations completed within the time limits given in this section for new and resurfaced roadways?	Y		Y		Y		
PMM021	Road and Bridge Specifications	704	Pavement Markings & Markers	Did the Contractor install and maintain Type D markings within the same time limits if the intended markings could not be placed within the required time limits?	Y		Y		Y		
PMM022	Road and Bridge Specifications	704	Pavement Markings & Markers	Were Type A markings installed according to the requirements of this section?	Y		Y		Y		
PMM023	Road and Bridge Specifications	704	Pavement Markings & Markers	Did non-truck mounted equipment conform to the requirements of this section for thermoplastic, polyester, and epoxy resin application?	Y		Y		Y		
PMM024	Road and Bridge Specifications	704	Pavement Markings & Markers	Were Type B markings, which include Thermoplastic, Polyester Resin, Epoxy Resin, and Preformed Tape, installed according to the requirements of this section?	Y		Y		Y		
PMM025		QA/QC Plan	Pavement Markings & Markers	Have all documentation and required testing been performed by QA & QC prior to the associated activity being paid?				Y	Y		
PRC001	Road and Bridge Specifications	405	Prestressed Concrete	If so designated on the plans, was waterproofing provided in accordance with the Contract documents on Waterproofing?	Y		Y		Y		
PRC002	Road and Bridge Specifications	405	Prestressed Concrete	Were all recesses shown on the plans filled with mortar conforming to the section on Hydraulic Cement Mortar and Grout in one continuous operation for each span?	Y		Y		Y		
PRC003	Road and Bridge Specifications	405	Prestressed Concrete	In the event the Contractor elects to cast the struts & diaphragms separately from the slab, was the concrete cured to meet the requirements in the section on removing formwork & superimposed elements before deck slab concrete was placed?	Y		Y		Y		
PRC004	Road and Bridge Specifications	405	Prestressed Concrete	Have attached bearing assemblies been fabricated so that their bottom bearing surfaces lie in truly horizontal planes when erected?	Y		Y		Y		

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PRC005	Road and Bridge Specifications	405	Prestressed Concrete	Has epoxy or grit been applied to smooth bearing areas to create the desired texture?	Y		Y		Y		
PRC006	Road and Bridge Specifications	405	Prestressed Concrete	Are ends of beams, at ends of spans, and diaphragms vertical?	Y		Y		Y		
PRC007	Road and Bridge Specifications	405	Prestressed Concrete	Do the precast prestressed concrete I-beams, T-beams, box beams, flat slabs, and prestressed deck panels and piling meet the tolerances denoted in the contract documents?	Y			Y	Y		
PRI001	Road and Bridge Specifications	311.02(b)	Prime Coat	Do the cover materials conform to the requirements of the Contract?	Y		Y		Y		
PRI002	Road and Bridge Specifications	311.03	Prime Coat	When asphalt is used as a cover for cement stabilization or as a primer for asphalt concrete, are the weather limitations specified for these particular operations met?	Y		Y		Y		
PRI003	Road and Bridge Specifications	311.03	Prime Coat	Has the surface to be primed been shaped to the required grade and section; rendered free from ruts, corrugations, segregated material, or other irregularities; and uniformly compacted?	Y		Y		Y		
QUA001	Part 1	11.4	Quality Assurance	Are the Key Personnel associated with Quality Assurance that were proposed for the project, intact for the duration of the contract unless authorized by VDOT?	Y			Y	Y		
QUA002	Part 2	2.14	Quality Assurance	Did the Design-Builder submit their Quality Assurance for design and construction to VDOT after the Date of Commencement?	Y			Y	Y		
QUA003	Part 2	2.14.2	Quality Assurance	Is the Design-Builder executing and maintaining the Construction QA Plan?	Y			Y	Y		
QUA004	Part 2	2.14.2	Quality Assurance	Are Quality Assurance functions performed by an independent firm that has no involvement in the construction and Quality Control program/activities?				Y	Y		
QUA005	Part 2	2.14.2	Quality Assurance	Is there clear separation between Quality Assurance and construction, including separation between Quality Assurance inspection and testing operations and construction Quality Control inspection and testing operations, including testing laboratories?	Y			Y	Y		
QUA006	Part 2	2.14.2	Quality Assurance	Is the Design-Builder's Quality Assurance Manager independent of the Design-Builder's physical construction operations?	Y			Y	Y		
QUA007	Part 2	2.14.2	Quality Assurance	Does the Quality Assurance Firm have presence on-site during any and all construction operations?				Y	Y		
QUA008	Part 2	2.14.2	Quality Assurance	Is the Lead Quality Assurance Inspector, assigned by the Quality Assurance Manager, on the site full time for the duration of all construction of the Project?				Y	Y		
QUA009	Part 3	7.1.1	Quality Assurance	Are Application for Payments submitted on the tenth of each month?				Y	Y		
QUA010	QA/QC	2.1.3	Quality Assurance	Did the Design-Builder's Design QA plan include all the minimum requirements for QA identified in the Minimum Requirements for QA/QC Design-Build Projects, January 2012?	Y	Y			Y		
QUA011	QA/QC	2.1.3	Quality Assurance	Did the Design-Builder's Construction QA plan include all the minimum requirements for QA identified in the Minimum Requirements for QA/QC Design-Build Projects, January 2012?	Y			Y	Y		
QUA012	QA/QC	2.1.4	Quality Assurance	Are key personnel performing QA functions exclusively designated as to not perform conflicting duties or production work?				Y	Y		
QUA013	QA/QC	3.1.1	Quality Assurance	Does the QA/QC Plan include authority from Design-Builder to the Quality Assurance Manager granting the QAM full authority to initiate a work stoppage and recommend to the Department to withhold payment for design and/or construction activities that are not acceptable?	Y			Y	Y		
QUA014	QA/QC	3.4.1	Quality Assurance	Was the design QA performed by one or more member(s) of the lead design team that are independent of the Design QC?		Y			Y		
QUA015	QA/QC	3.6.1	Quality Assurance	Are QA Testing Technicians independent of project production?				Y	Y		
QUA016	QA/QC	5.2	Quality Assurance	Do the Design-Builder's QA Daily Work Reports conform with the requirements in Section 5.20 of the QA/QC manual?				Y	Y		
QUA017	QA/QC	5.4.1	Quality Assurance	Did the Design-Builder provide Quality Assurance inspections for all work activities and Work Packages for conformance with Table A-3, Part 2 of the Minimum Requirements for QA/QC?	Y			Y	Y		

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QUC001	Part 1	11.4	Quality Control	Are the Key Personnel associated with Quality Control that were proposed for the project, intact for the duration of the contract unless authorized by VDOT?	Y		Y		Y		
QUC002	Part 2	2.14	Quality Control	Did the Design-Builder submit their Quality Control for design and construction to VDOT after the Date of Commencement?	Y		Y		Y		
QUC003	Part 2	2.14.2	Quality Control	Is the Design-Builder executing and maintaining the Construction QC Plan?	Y		Y		Y		
QUC004	QA/QC	2.1.3	Quality Control	Did the Design-Builder's Design QC plan include all the minimum requirements for QC identified in the Minimum Requirements for QA/QC Design-Build Projects, January 2012?	Y	Y			Y		
QUC005	QA/QC	2.1.3	Quality Control	Did the Design-Builder's Construction QC plan include all the minimum requirements for QC identified in the Minimum Requirements for QA/QC Design-Build Projects, January 2012?	Y		Y		Y		
QUC006	QA/QC	2.1.4	Quality Control	Are key personnel performing QC functions exclusively designated as to not perform conflicting duties or production work?			Y	Y	Y		
QUC007	QA/QC	5.2	Quality Control	Do the Design-Builder's QC Daily Work Reports conform with the requirements in Section 5.20 of the QA/QC manual?			Y		Y		
QUC008	QA/QC	5.4.1	Quality Control	Did the Design-Builder provide Quality Control inspections for all work activities and Work Packages for conformance with Table A-3, Part 2 of the Minimum Requirements for QA/QC?	Y		Y		Y		
RES001	Road and Bridge Specifications	406	Reinforcing Steel	Has the reinforcing steel been stored above ground, well drained, and protected against deformation?	Y		Y		Y		
RES002	Road and Bridge Specifications	406	Reinforcing Steel	When placed into work, is the reinforcement steel free from dirt, paint, oil, or other foreign matter?	Y		Y		Y		
RES003	Road and Bridge Specifications	406	Reinforcing Steel	Were reinforcing bars tied according to the Contract requirements?	Y		Y		Y		
RES004	Road and Bridge Specifications	406	Reinforcing Steel	Were provisions made to accurately maintain the position of steel reinforcement during the placing and setting of concrete?	Y		Y		Y		
RES005	Road and Bridge Specifications	406	Reinforcing Steel	Was the minimum clear distance maintained between the face of the concrete and the reinforcing steel in substructure and superstructures as noted in the contract and QA/QC Manual?	Y		Y		Y		
RES006	Road and Bridge Specifications	406	Reinforcing Steel	Have all bars been placed so that the final cast concrete cover is maintained within a tolerance of 0 to +1/2 inch?	Y		Y		Y		
RES007	Road and Bridge Specifications	406	Reinforcing Steel	Where anchor bolts interfere with reinforcing steel, has the position of the steel been adjusted without cutting to permit the anchor bolts to be placed in the proper location?	Y		Y		Y		
RES008	Road and Bridge Specifications	406	Reinforcing Steel	Is reinforcing steel in bridge deck slabs and slab spans supported by standard CRSI metal or precast concrete bar supports spaced no more than the distance noted in the Contract?	Y		Y		Y		
RES009	Road and Bridge Specifications	406	Reinforcing Steel	Was written approval secured from the Engineer for bar splices not shown on the plans?	Y			Y	Y		
RES010	Road and Bridge Specifications	406	Reinforcing Steel	Was welding of reinforcing steel done only if specified on the plans and in accordance with the requirements of Contract documents?	Y		Y		Y		
ROW001	Part 2	2.12	Right of Way	For acquiring property, did the Design-Builder follow the guidelines established in the VDOT Right of Way Manual of Instructions, VDOT Utility Manual of Instructions, I&IM-LD-243, and Chapter 12 of the VDOT Survey Manual?	Y	Y			Y		
ROW002	Part 2	2.12	Right of Way	Did the Design-Builder obtain a Notice to Commence Right-of-Way Acquisition prior to any offers being made to acquire property?	Y				Y		
ROW003	Part 2	2.12	Right of Way	Did the Design-Builder provide a bona fide offer to the property owner to acquire the property prior to the use of Rights of Entry?	Y				Y		
ROW004	Part 2	2.12	Right of Way	Is the Notice to Commence Right of Way Acquisition represented as a hold point in the Design-Builder's Baseline Schedule?	Y				Y		
ROW005	Part 2	2.12	Right of Way	Are title examinations less than 60 days old for each parcel at the time of the initial offer to landowner?	Y				Y		

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ROW006	Part 2	2.12	Right of Way	Did the Design-Builder obtain VDOT approval of the Project specific Acquisition and Relocation Plan prior to commencing right-of-way activities?	Y				Y		
ROW007	Part 2	2.12	Right of Way	Are offers to landowners to acquire property made after VDOT has approved the Acquisition and Relocation Plan and issued a Notice to Commence Acquisition?	Y				Y		
ROW008	Part 2	2.12	Right of Way	Is the Acquisition and Relocation Plan updated during the life of the Project as necessary?	Y	Y			Y		
ROW009	Part 2	2.12	Right of Way	Did the Design-Builder obtain a Notice to Commence Construction prior to commencing construction on the property?	Y				Y		
ROW010	Part 2	2.12	Right of Way	Did the Design-Builder obtain access to and use VDOT's Right of Way and Utilities Management System (RUMS) to manage and track the acquisition process?	Y				Y		
ROW011	Part 2	2.12	Right of Way	Is payment documentation submitted to VDOT with the Acquisition Report (RW-24)?	Y				Y		
ROW012	Part 2	2.12	Right of Way	Is the Design-Builder managing and tracking the acquisition process and submitting weekly entries through VDOT's Right of Way and Utilities Management System?	Y				Y		
ROW013	Part 2	2.12	Right of Way	Did the Design-Builder submit a scope of work detailing the type of appraisal to be prepared for each parcel and the name of the proposed appraiser for VDOT review and approval prior to commencing individual parcel appraisal?	Y				Y		
ROW014	Part 2	2.12	Right of Way	Did the Design-Builder notify VDOT of any and all encroachments (temporary or permanent) within the right-of-way prior to final acceptance?	Y				Y		
ROW015	Part 2	2.12	Right of Way	Have supplemental Right of Way plans revised after issuance of Notice to Commence Acquisition been approved?	Y	Y			Y		
ROW016	Part 2	2.12	Right of Way	Are appraisals prepared in accordance with VDOT's Appraisal Guidelines?	Y				Y		
ROW017	Part 2	2.12	Right of Way	Did the Design-Builder deliver all executed and recorded general warranty deeds to VDOT?	Y				Y		
ROW018	Part 2	2.12	Right of Way	Has the Design-Builder maintained access at all times to properties during construction?	Y		Y		Y		
ROW019	Part 2	2.12	Right of Way	Are any existing VDOT fencing impacted by the Design-Builder's design and construction activities restored or replaced in the same configuration relative to the improvements as the existing fencing?	Y		Y		Y		
RPP001	Road and Bridge Specifications	410	Railings and Parapets	Have metal railings been fabricated and installed in accordance with the contract documents?	Y		Y		Y		
RPP002	Road and Bridge Specifications	410	Railings and Parapets	Had the span become self-supporting before concrete railing or parapet was placed?	Y		Y		Y		
RPP003	Road and Bridge Specifications	410	Railings and Parapets	Have concrete railings, bridge median barriers, and parapets been given a Class I finish?	Y		Y		Y		
RPP004	Road and Bridge Specifications	410	Railings and Parapets	Does formwork provide all features that are called out in the contract and QA/QC plan?	Y		Y		Y		
RPP005	Road and Bridge Specifications	410	Railings and Parapets	Have all moldings, panel work, and bevel strips been constructed with neatly mitered joints and corners neatly finished and defect-free?	Y		Y		Y		
RPP006	Road and Bridge Specifications	410	Railings and Parapets	Was the reinforcing steel correctly spaced, supported, and in accordance with the section on reinforcing steel?	Y		Y		Y		
RPP007	Road and Bridge Specifications	410	Railings and Parapets	Have the expansion joints been constructed so as to permit freedom of movement?	Y		Y		Y		
RPP008	Road and Bridge Specifications	410	Railings and Parapets	Are concrete parapets and median barriers constructed within the allowable tolerances as required in the contract documents?	Y		Y		Y		
RPP009	Road and Bridge Specifications	410	Railings and Parapets	In the event the Contractor elects to construct parapet, railing, or median barrier by the extrusion method, is it done in accordance with the requirements of the contract documents?	Y		Y		Y		
RPP010	Road and Bridge Specifications	410	Railings and Parapets	Are metal railings or metal parapets grounded in accordance with the contract documents?	Y		Y		Y		
RRA001	SP	107.19(a)	Railroad	Is work on or over railway Right of Way performed only when a railroad flagger or watchperson is on site?	Y		Y		Y		
RRP001	Road and Bridge Specifications	414	RIPRAP	Does dry riprap conform to the weight and grading requirements of this section for Class I, II, III, or AI?	Y		Y		Y		

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RRP002	Road and Bridge Specifications	414	RIPRAP	Was dry riprap placed on slopes finished to a reasonably smooth and compact surface within a tolerance of 6 inches of the surface lines shown on the plans?	Y		Y		Y		
RRP003	Road and Bridge Specifications	414	RIPRAP	Was riprap bedding uniformly spread to produce a reasonably even surface free of mounds and depressions?	Y		Y		Y		
RRP004	Road and Bridge Specifications	414	RIPRAP	Has the entire perimeter of geotextile bedding material been turned down and buried at least 9 inches for anchorage?	Y		Y		Y		
RRP005	Road and Bridge Specifications	414	RIPRAP	Do adjacent strips of material overlap at least 18 inches and run up and down the slope?	Y		Y		Y		
RRP006	Road and Bridge Specifications	414	RIPRAP	Is damaged material repaired or replaced with a patch of the same material overlapping the damaged area by at least 18 inches?	Y		Y		Y		
SAF001	Part 2	2.4.6	Safety	Has the Design-Builder provided an approved Spill Prevention, Control, and Countermeasure Plan prior to start of construction?	Y				Y		
SAF002	Part 2	2.17	Safety	Did the Design-Builder comply with all of the Virginia Occupational Safety and Health Standards in accordance with Section 107.17 of the Division I Amendments to the Standard Specifications?	Y		Y		Y		
SAF003	Part 2	2.17	Safety	Did the QAM ensure compliance with all of the Virginia Occupational Safety and Health Standards in accordance with Section 107.17 of the Division I Amendments to the Standard Specifications?				Y	Y		
SAF004	Part 4	2.7.6	Safety	Is the Site kept reasonably free from debris, trash and construction wastes to permit Design-Builder to perform its construction services efficiently, safely and without interfering with the use of adjacent land areas?	Y		Y		Y		
SAF005	Part 4	2.8.1	Safety	Prior to commencing construction, did the Design-Builder designate a Safety Representative with the necessary qualifications and experience to supervise the implementation and monitoring of all safety precautions and programs related to the Work?	Y		Y		Y		
SAF006	Part 4	2.8.1	Safety	Did the Design-Builder's Safety Representative stationed at the Site make routine daily inspections of the Site, hold weekly safety meetings with Design-Builder's personnel, Subcontractors and others as applicable and provide minutes of each safety meeting to Department within five (5) days of such meeting?	Y		Y		Y		
SAF007	Part 4	2.8.2	Safety	Did the Design-Builder provide the Department a Health, Safety, and Welfare plan on or before the earlier of fifteen (15) days of Design-Builder's receipt of Department's Notice to Proceed, or twenty-one (21) days before Design-Builder intends to commence any construction-related activities at the Site?	Y				Y		
SAF008	Part 4	2.8.4	Safety	Was there any suspension of work due to Design-Builder's failure to comply with safety obligations?	Y				Y		
SAF009	SP	105.14	Safety	Does the Design-Builder keep portions of the road being used by the public free from irregularities and obstructions that could present a hazard or annoyance to traffic?	Y		Y		Y		
SAF010	SP	105.14	Safety	Are intersections, private and public entrances kept in a reasonably smooth condition at all times?	Y		Y		Y		
SAF011	SP	107.16(b)3	Safety	Did the Design-Builder adhere to the 80 decibel noise threshold for noise sensitive activities and or restrictions established by local ordinance?	Y		Y		Y		
SBW001	Road and Bridge Specifications	519	Sound Barrier Walls	Do sound wall materials conform to the requirements of this section?	Y		Y		Y		
SBW002	Road and Bridge Specifications	519	Sound Barrier Walls	Are H-piles for sound barriers driven within a +/-1/2" tolerance and in accordance with the section on bearing piles?	Y		Y		Y		
SBW003	Road and Bridge Specifications	519	Sound Barrier Walls	Is the portion of the post below finished grade and portions of the H-pile lapped with the post painted with asphalt mastic after splicing and are voids caulked prior to painting?	Y		Y		Y		
SBW004	Road and Bridge Specifications	519	Sound Barrier Walls	Are joints and connections secured so as to be structurally sound with no visible openings, and so as to transmit no noise through vibration?	Y		Y		Y		
SBW005	Road and Bridge Specifications	519	Sound Barrier Walls	Does the alignment of the top face of the wall not deviate more than 1/2 inch in 10 feet?	Y		Y		Y		

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SBW006	Road and Bridge Specifications	519	Sound Barrier Walls	Are disturbed areas graded and seeded in accordance with the section on Seeding?	Y		Y		Y		
SBW007	Road and Bridge Specifications	519	Sound Barrier Walls	Are precast sound barrier walls constructed in accordance with this section?	Y		Y		Y		
SBW008	Road and Bridge Specifications	519	Sound Barrier Walls	Are metal sound barrier walls constructed in accordance with this section?	Y		Y		Y		
SBW009	Road and Bridge Specifications	519	Sound Barrier Walls	Are plywood sound barrier walls constructed in accordance with this section?	Y		Y		Y		
SBW010		QA/QC Plan	Sound Barrier Walls	Have all documentation and required testing been performed by QA & QC prior to the associated activity being paid?				Y	Y		
SCH001	Part 2	2.4.4	Schedule	Does the project schedule accommodate Special Provisions, Time of Year Restrictions, and duration of permit acquisition?	Y				Y		
SCH002	Part 2	2.4.4	Schedule	Are all permitted construction activities identified as hold points in the Design-Builder's CPM schedule?	Y				Y		
SCH003	Part 3	11.1.1	Schedule	Did the Design-Builder submit a Preliminary Schedule within 15 days of receipt of Notice to Proceed?	Y				Y		
SCH004	Part 3	11.1.2	Schedule	Did the Design-Builder submit a Baseline Schedule within 90 days of receipt of Notice to Proceed?	Y				Y		
SCH005	Part 3	Exhibit 1, B.1.V.C	Schedule	Are milestone dates in the Design-Builder's Baseline Schedule met for design submissions?	Y				Y		
SCH006	Part 4	6.1.1	Schedule	Did the Design-Builder submit an Earned Value Schedule?	Y				Y		
SCH007	Part 4	8.3	Schedule	Did the Design-Builder submit a Schedule Impact Analysis in accordance with Exhibit 11.1 of the Agreement?	Y				Y		
SCH008	Road and Bridge Specifications	108 & Part 3, Section 11.1.9	Schedule - Prosecution and Progress of Work	Does the Contractor advise the engineer as outlined in the schedule a four week detailed look ahead?	Y			Y	Y		
SCV001	Part 4	2.2.1	Scope Validation	Were Scope Issues clearly identifiable as defects, errors, or inconsistencies in the RFP Documents that affected the Design-Builder's ability to complete its proposed design concept within the Contract Price and/ or Contract Time?	Y				Y		
SCV002	Part 4	2.2.3	Scope Validation	Did the Design-Builder submit a General Notice and basic explanation for all Scope Issues prior to the expiration of the Scope Validation Period?	Y				Y		
SCV003	Part 4	2.2.3	Scope Validation	Did the Design-Builder provide all Supporting Documentation for Scope Issues within 21 days of submitting the General Notice?	Y				Y		
SEE001	Road and Bridge Specifications	603	Seeding	Does seed, lime, fertilizer and mulch conform the requirements of section 244.02? (Materials)	Y		Y		Y		
SEE002	Road and Bridge Specifications	603	Seeding	Are seeding operations not performed when the ground is frozen or weather conditions would prevent proper preparation and subsequent operations?	Y		Y		Y		
SEE003	Road and Bridge Specifications	603	Seeding	Did the Contractor notify the Engineer at least 48 hours prior to starting seeding operations?	Y		Y		Y		
SEE004	Road and Bridge Specifications	603	Seeding	Is lime uniformly applied to areas to be seeded at the rate shown in the plans?	Y		Y		Y		
SEE005	Road and Bridge Specifications	603	Seeding	Is all material > 3" in diameter removed and disposed of in accordance with Section 106.04 Disposal Areas or as approved by the engineer?	Y		Y		Y		
SEE006	Road and Bridge Specifications	603	Seeding	Are gullies, washes, and disturbed areas that develop subsequent to final dressing repaired prior to being seeded?	Y		Y		Y		
SEE007	Road and Bridge Specifications	603	Seeding	Is fertilizer uniformly applied in accordance with this specification or as specified by engineer?	Y		Y		Y		
SEE008	Road and Bridge Specifications	603	Seeding	Are hydroseeding mixtures constantly agitated and applied within 8 hours after mixing began?	Y		Y		Y		
SEE009	Road and Bridge Specifications	603	Seeding	Are leguminous seed inoculated before they are mixed with other seeds and applied within 24 hours of treatment?	Y		Y		Y		
SEE010	Road and Bridge Specifications	603	Seeding	Is mulch applied within 48 hours after completion of the seeding operation?	Y		Y		Y		

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SEE011	Road and Bridge Specifications	603	Seeding	When straw or hay mulch is used, is it applied uniformly at the rate specified?	Y		Y		Y		
SEE012	Road and Bridge Specifications	603	Seeding	When wood cellulose mulch is used, is it applied uniformly at the rate shown in the plans?	Y		Y		Y		
SEE013	Road and Bridge Specifications	603	Seeding	Is straw or hay mulch applied to a uniform thickness so that no more than 10% of the soil surface is exposed?	Y		Y		Y		
SEE014	Road and Bridge Specifications	603	Seeding	Is straw or hay mulch anchored in accordance with this section?	Y		Y		Y		
SEE015	Road and Bridge Specifications	603	Seeding	Does the Contractor protect all adjacent property and pedestrian areas during the mulching operations?	Y		Y		Y		
SEE016	Road and Bridge Specifications	603	Seeding	Does the Contractor furnish certified scales to weigh bags of seed transferred between projects?	Y		Y		Y		
SEE017		QA/QC Plan	Seeding	Have all documentation and required testing been performed by QA & QC prior to the associated activity being paid?				Y	Y		
SRC001	Road and Bridge Specifications	606	Soil Retention Coverings	Are 2 inches of topsoil applied and shaped in accordance with the cross section shown on the plans prior to placing of protective covering? (EC-2, EC-3 Ty. A or B)	Y		Y		Y		
SRC002	Road and Bridge Specifications	606	Soil Retention Coverings	Are objectionable materials that will keep the material from making complete contact with the ground removed prior to placement of protective covering?	Y		Y		Y		
SRC003	Road and Bridge Specifications	606	Soil Retention Coverings	Were seed, fertilizer, and lime applied to the area prior to installation of protective covering? (EC-2, EC-3 Ty. A or B)	Y		Y		Y		
SRC004	Road and Bridge Specifications	606	Soil Retention Coverings	Have seeded areas adjacent to the channel or ditch that are disturbed during installation of covering uniformly reshaped, reseeded , and mulched at the Contractor's expense?	Y		Y		Y		
SRC005	Road and Bridge Specifications	606	Soil Retention Coverings	Are the soil retention coverings installed in accordance with the standard drawings and the manufacturer's recommendations?	Y		Y		Y		
SRC006	Road and Bridge Specifications	606	Soil Retention Coverings	Are #8 steel wire staples used which are a minimum of 6 inches in length for soil and 8 inches in length for sand? (EC-2)	Y		Y		Y		
SRC007	Road and Bridge Specifications	606	Soil Retention Coverings	Are steel wire staples placed according to standard drawings? (EC-2)	Y		Y		Y		
SRC008	Road and Bridge Specifications	606	Soil Retention Coverings	Are all anchor slots, junction slots, check slots and terminal folds in jute mesh stapled not more than 9 inches apart across the width of the material? (EC-2)	Y		Y		Y		
SRC009	Road and Bridge Specifications	606	Soil Retention Coverings	Are soil stabilization mats the type specified on the plans (A,B, or C)?	Y		Y		Y		
SRC010	Road and Bridge Specifications	606	Soil Retention Coverings	Have the mats been overlapped three feet onto adjacent rolls ? (Ref. 2001 Book of Standards)(EC-3)	Y		Y		Y		
SRC011	Road and Bridge Specifications	606	Soil Retention Coverings	Are the edges of the mats entrenched 6 inches? (EC-3)	Y		Y		Y		
SRC012	Road and Bridge Specifications	606	Soil Retention Coverings	Have wooden or metal stakes, 12 inches minimum in length, been used to anchor stabilization mats except in sandy soils where 18" metal stakes are required? (EC-3,Ty.A or B)	Y		Y		Y		
SRC013	Road and Bridge Specifications	606	Soil Retention Coverings	Is the stabilization mat used in conjunction with standard EC-1 at the outlet end of pipe? (EC-3)	Y		Y		Y		
SRC014	Road and Bridge Specifications	606	Soil Retention Coverings	Have wooden or metal stakes, 18 inches minimum in length, been used for EC-3, Ty. C installations?	Y		Y		Y		
SRC015	Road and Bridge Specifications	606	Soil Retention Coverings	Have topsoil and seed been applied for EC-3, Ty. C per the standards?	Y		Y		Y		
SRC016	Road and Bridge Specifications	606	Soil Retention Coverings	After coverings were installed, were seeded areas watered sufficiently to saturate the seed bed?	Y		Y		Y		
SRC017	Road and Bridge Specifications	606	Soil Retention Coverings	Are stakes placed according to standard drawings? (EC-3)	Y		Y		Y		
SRC018		QA/QC Plan	Soil Retention Coverings	Have all documentation and required testing been performed by QA & QC prior to the associated activity being paid?				Y	Y		

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SSH001	Road and Bridge Specifications	504	Sidewalks, Steps, & Handrails	Is the foundation for sidewalk shaped and compacted to a firm, even surface with unsuitable material and debris removed?	Y		Y		Y		
SSH002	Road and Bridge Specifications	504	Sidewalks, Steps, & Handrails	Are forms straight, free from warp, and strong enough to withstand concrete pressures?	Y		Y		Y		
SSH003	Road and Bridge Specifications	504	Sidewalks, Steps, & Handrails	Are forms cleaned and oiled prior to concrete placement?	Y		Y		Y		
SSH004	Road and Bridge Specifications	504	Sidewalks, Steps, & Handrails	Is concrete screeded and spaded to prevent honeycombing and the surface floated free of irregularities?	Y		Y		Y		
SSH005	Road and Bridge Specifications	504	Sidewalks, Steps, & Handrails	Are outside edges of the slab and joints edged with a 1/4 inch radius edging tool?	Y		Y		Y		
SSH006	Road and Bridge Specifications	504	Sidewalks, Steps, & Handrails	Are transverse joints constructed at intervals of ~ 100 feet, except for closures, and filled with 1/2" joint filler extending to 1/4" below the top surface?	Y		Y		Y		
SSH007	Road and Bridge Specifications	504	Sidewalks, Steps, & Handrails	Are slabs at least 3 feet in length?	Y		Y		Y		
SSH008	Road and Bridge Specifications	504	Sidewalks, Steps, & Handrails	Are crack control joints placed as required in this section?	Y		Y		Y		
SSH009	Road and Bridge Specifications	504	Sidewalks, Steps, & Handrails	Are construction joints formed around all appurtenances, except drop inlets where expansion joints are formed between 6 and 10 feet away, and 1/4 inch preformed joint filler placed as required?	Y		Y		Y		
SSH010	Road and Bridge Specifications	504	Sidewalks, Steps, & Handrails	When sidewalk is constructed in conjunction with an adjacent curb, or to an existing curb, do expansion joints coincide?	Y		Y		Y		
SSH011	Road and Bridge Specifications	504	Sidewalks, Steps, & Handrails	Is the sidewalk scored in a block approximately eight inches wider than the maximum dimension of light poles, poles, or fire hydrants?	Y		Y		Y		
SSH012	Road and Bridge Specifications	504	Sidewalks, Steps, & Handrails	Is the fresh concrete sidewalk cured and protected in accordance with Section 316.04(j) of Hydraulic Cement Concrete Pavement?	Y		Y		Y		
SSH013	Road and Bridge Specifications	504	Sidewalks, Steps, & Handrails	Is the sidewalk protected from traffic until the time or strength requirements are met?	Y		Y		Y		
SSH014	Road and Bridge Specifications	504	Sidewalks, Steps, & Handrails	When specified, are layers of No. 8 aggregate, not exceeding four inches of depth, placed and compacted as base for asphalt concrete sidewalk or bike path?	Y		Y		Y		
SSH015	Road and Bridge Specifications	504	Sidewalks, Steps, & Handrails	Is asphalt concrete placed in forms in one or more courses to provide the specified depth and yield a smooth dense, uniformly compacted sidewalk?	Y		Y		Y		
SSH016	Road and Bridge Specifications	504	Sidewalks, Steps, & Handrails	Is the tread of steps given a light broom texture?	Y		Y		Y		
SSH017	Road and Bridge Specifications	504	Sidewalks, Steps, & Handrails	Are all exposed welded joints on handrail finished by grinding or filing to give a neat appearance?	Y		Y		Y		
SSH018	Road and Bridge Specifications	504	Sidewalks, Steps, & Handrails	Are all handrail items galvanized in accordance with Section 233, Galvanizing?	Y		Y		Y		
SSH019	Road and Bridge Specifications	504	Sidewalks, Steps, & Handrails	Are all exposed areas of pregalvanized rail repaired with a material conforming to Section 233, Galvanizing?	Y		Y		Y		
SSH020	Road and Bridge Specifications	504	Sidewalks, Steps, & Handrails	Are handrails installed in accordance with the applicable standards and specifications?	Y		Y		Y		
SSH021	Road and Bridge Specifications	504	Sidewalks, Steps, & Handrails	Are handrails grounded in accordance with 410.03(b)?	Y		Y		Y		
SSH022		QA/QC Plan	Sidewalks, Steps, & Handrails	Have all documentation and required testing been performed by QA & QC prior to the associated activity being paid?				Y	Y		
STB001	Part 2	2.3.1	Structures & Bridge	Were the demolition and erection plan included with the final design plan submittal?	Y	Y			Y		
STB002	Part 2	2.3.3	Structures & Bridge	Were foundation recommendations for the proposed bridge submitted for review and approved prior to submittal of final foundation construction plans?	Y	Y			Y		
STB003	Part 2	2.3.6	Structures & Bridge	Are working/shop drawings reviewed and approved by a registered, licensed Professional Engineer in the Commonwealth of Virginia under the Design-Builder?	Y	Y			Y		
STB004	Part 2	2.3.7	Structures & Bridge	Did the Design-Builder submit estimated quantities along with associated unit costs for all standard and non-standard bridge items in the final bridge plan submittal?	Y	Y			Y		

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STB005	Part 2	2.4.6	Structures & Bridge	Prior to demolition, was asbestos abatement performed on all structures containing regulated asbestos materials or expected to become friable during course of demolition?	Y		Y		Y		
STB006	Part 2	2.7.2	Structures & Bridge	Prior to final design, did the Design-Builder provide an inspection report documenting the structural condition and serviceability of the culvert?	Y	Y			Y		
STE001	Road and Bridge Specifications	401	Structure Excavation	Has excavation been performed as approved in the QA/QC and Environmental plan?	Y		Y		Y		
STE002	Road and Bridge Specifications	401	Structure Excavation	Prior to beginning work, did the Contractor submit a plan including location, description, number, and dimensions of temporary structures or other obstructions that will constrict stream flow as required in the Contract documents and QA/QC plan?	Y			Y	Y		
STE003	Road and Bridge Specifications	401	Structure Excavation	Was the foundation cleaned of all loose material before concrete was placed?	Y		Y		Y		
STE004	Road and Bridge Specifications	401	Structure Excavation	Has the backfill of approach embankments and structure backfill been placed accordance with the contract and documented in the QC Daily Report?	Y		Y		Y		
STE005	Road and Bridge Specifications	401	Structure Excavation	Has the QC testing been performed at the proper frequency/ Depths and the results documented to verify adequate number of passing tests per structure as per the contract requirements?			Y	Y	Y		
STE006	Road and Bridge Specifications	401	Structure Excavation	Has the QA Testing been performed and documented including passing test results and proper frequency as per the Contract and QA/QC Manual?				Y	Y		
STE007	Road and Bridge Specifications	401	Structure Excavation	Have the concrete strength requirements been met prior to form removal and subsequent backfill?	Y		Y		Y		
STE008	Road and Bridge Specifications	401	Structure Excavation	Was material deposited in the stream area because of the Contractor's operations removed, and the stream area freed from obstructions caused by the Contractor's operations?	Y			Y	Y		
STE009	Road and Bridge Specifications	401	Structure Excavation	Has the Engineer been consulted when explorations reveal that foundations or subfoundations are inadequate for the structure, or are not within the limits of permissible variation from the bottom of footing elevations?	Y			Y	Y		
STE010	Road and Bridge Specifications	401	Structure Excavation	When the material on which a foundation is to be placed using piles, is declared unsatisfactory by the engineer, was the excavation undercut and backfilled in accordance with this section?	Y			Y	Y		
STE011	Road and Bridge Specifications	401	Structure Excavation	Were cofferdams installed according to the contract documents?	Y			Y	Y		
STS001	Road and Bridge Specifications	407	Steel Structures	Has the Contractor submitted working drawings for review as per contract documents of all structural steel, bearing assemblies, and anchorage devices?	Y		Y		Y		
STS002	Road and Bridge Specifications	407	Steel Structures	Do the working drawings specifically identify each piece other than ASTM A709 Grade 36 steel?	Y		Y		Y		
STS003	Road and Bridge Specifications	407	Steel Structures	Does the welding show quality workmanship and are welds of the required size?	Y			Y	Y		
STS004	Road and Bridge Specifications	407	Steel Structures	Do the welding electrodes used in structural welding conform to the approved list?	Y		Y		Y		
STS005	Road and Bridge Specifications	407	Steel Structures	Has welding only been performed in locations as noted on the plans or as approved by Contract?	Y		Y		Y		
STS006	Road and Bridge Specifications	407	Steel Structures	Have welds that do not conform to the specifications been repaired or removed and replaced or the entire piece rejected?	Y			Y	Y		
STS007	Road and Bridge Specifications	407	Steel Structures	Has the inspector verified that the workers performing welding are approved as per contract requirements?	Y		Y		Y		
STS008	Road and Bridge Specifications	407	Steel Structures	Are the bolt holes no more than 1/16 inch larger than the nominal bolt size?	Y		Y		Y		
STS009	Road and Bridge Specifications	407	Steel Structures	Have the burrs on the outside of the bolt holes been removed?	Y		Y		Y		
STS010	Road and Bridge Specifications	407	Steel Structures	Is field flame cutting of structural steel units not done?	Y		Y		Y		

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STS011	Road and Bridge Specifications	407	Steel Structures	Are the structural steel stud shear connectors the size and spacing as shown on the plans or denoted in the Contract documents?	Y		Y		Y		
STS012	Road and Bridge Specifications	407	Steel Structures	Do the shear connectors project 2 inches above the bottom of the deck slab and 3 inches below the plane of the top of the deck slab or as noted in the contract documents?	Y		Y		Y		
STS013	Road and Bridge Specifications	407	Steel Structures	Has the structural steel and their components been stored in such manner that it will not be overstressed, become deformed, or otherwise damaged?	Y		Y		Y		
STS014	Road and Bridge Specifications	407	Steel Structures	Has each unit been identified with an erection mark?	Y		Y		Y		
STS015	Road and Bridge Specifications	407	Steel Structures	Has the Contractor furnished the materials order shipping statement and erection diagrams?	Y		Y		Y		
STS016	Road and Bridge Specifications	407	Steel Structures	Prior to beginning erection work, did the Contractor fully inform and obtain approval as to the method to be followed and the amount and character of equipment to be used as noted in the Contract documents?	Y			Y	Y		
STS017	Road and Bridge Specifications	407	Steel Structures	Were bolt hole misalignments of no more than 1/8 inch corrected by reaming where allowed by the Engineer?	Y			Y	Y		
STS018	Road and Bridge Specifications	407	Steel Structures	Was damaged or misfitting steel reported to the Engineer?	Y			Y	Y		
STS019	Road and Bridge Specifications	407	Steel Structures	Were all field connections made with 7/8 inch diameter high-strength bolts where specified?	Y		Y		Y		
STS020	Road and Bridge Specifications	407	Steel Structures	Prior to installation, did the Contractor perform a field rotational capacity test on two (2) nut, bolt, and washer assemblies for each diameter and length in accordance with the materials section on Structural Steel?	Y		Y		Y		
STS021	Road and Bridge Specifications	407	Steel Structures	Do bolted parts fit solidly together when assembled?	Y		Y		Y		
STS022	Road and Bridge Specifications	407	Steel Structures	Did QC review, record and document in their daily diary the results of the tensioning reviews and were the results passing the contract requirements; If not were additional reviews of the tensioning noted showing passing results?			Y	Y	Y		
STS023	Road and Bridge Specifications	407	Steel Structures	Before assembly, were all connecting surfaces, including areas adjacent to the washers, free of scale except for tight mill scale?	Y		Y		Y		
STS024	Road and Bridge Specifications	407	Steel Structures	When required by the plans, were surfaces for bolted splices in main units fabricated of weathering steel and joint surfaces for other connections blast cleaned in accordance with the section of Protective Coating of Metal by Preparing Surfaces?	Y		Y		Y		
STS025	Road and Bridge Specifications	407	Steel Structures	On whichever element is being turned during tightening, was a hardened washer installed under the bolt or nut head?	Y		Y		Y		
STS026	Road and Bridge Specifications	407	Steel Structures	Were bolt tensioning devices and complete bolt assemblies tested with an approved tension indicating device at the start of construction and on a periodic basis as required in the contract documents?	Y		Y		Y		
STS027	Road and Bridge Specifications	407	Steel Structures	Is the length of all bolts such that the point of the bolt will be flush with or outside the face of the nut when completely installed without overtensioning the bolt?	Y		Y		Y		
STS028	Road and Bridge Specifications	407	Steel Structures	Has the device used to calibrate power and torque wrenches been checked for accuracy within the previous 12 months?	Y		Y		Y		
STS029	Road and Bridge Specifications	407	Steel Structures	Was the torque indication corresponding to the calibrating tension noted and used when manual torque wrenches are used?	Y		Y		Y		
STS030	Road and Bridge Specifications	407	Steel Structures	Were bolts brought to a snug condition, given a suitable match mark, and then tightened as required in the contract documents?	Y		Y		Y		
STS031	Road and Bridge Specifications	407	Steel Structures	Is the gap 0.015 inch or less between the direct tension indicator and the bolt head or nut when no washer is used with the indicator?	Y		Y		Y		
STS032	Road and Bridge Specifications	407	Steel Structures	Is the gap 0.010 inch or less between the indicator and washer if a hardened flat washer is incorporated?	Y		Y		Y		
STS033	Road and Bridge Specifications	407	Steel Structures	Are beam ends, bearing stiffeners, and webs of girders and rolled structural shapes, and other beam sections vertical?	Y		Y		Y		

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STS034	Road and Bridge Specifications	407	Steel Structures	Have steel plates for use with flexible bearing pads been beveled to meet the grade requirements?	Y		Y		Y		
STS035	Road and Bridge Specifications	407	Steel Structures	Have any depressed areas where water can be trapped been completely sealed with polyurethane or other approved sealant prior to painting?	Y		Y		Y		
STS036	Road and Bridge Specifications	407	Steel Structures	Did bolts, nuts, and washers conform to the requirements of the Materials Section on Structural Steel, each being from one manufacturer on any one structure, unless approved by the Engineer?	Y		Y		Y		
STS037	Road and Bridge Specifications	407.07	Steel Structures	Prior to paying associated activities regarding structural steel have all inspections been performed, documented and found to meet all contract requirements?				Y	Y		
STS038	Road and Bridge Specifications	407.07	Steel Structures	Did QA review, record and document in their daily diary the results of the tensioning reviews and were the results passing the contract requirements; If not were additional reviews of the tensioning noted showing passing results?				Y	Y		
SUB001	Road and Bridge Specifications	308.03	Subbase Course	Has the material been placed on the subgrade using an aggregate spreader as specified unless otherwise approved by the engineer?	Y		Y		Y		
SUB002	Road and Bridge Specifications	308.03	Subbase Course	Has the subbase course been placed according to Contract Requirements?	Y		Y		Y		
SUB003	Road and Bridge Specifications	308.03	Subbase Course	Has all QA/QC been performed and the required number of passing tests recorded prior to payment of the activity regarding this item?				Y	Y		
SUB004		Contract	Subbase Course	Has all QC testing and verification of grade been performed and acceptable tests performed as required by the QA/QC Manual and Contract?			Y	Y	Y		
SUB005		Contract	Subbase Course	Ha IA/IV performed and recorded passing test results?					Y		
SUS001	Road and Bridge Specifications	305.03(a)1	Subgrade & Shoulders	Has the subgrade been scarified to a depth of 6" for a distance of 2 feet beyond the proposed edge of the pavement on each side?	Y		Y		Y		
SUS002	Road and Bridge Specifications	305.03(a)1	Subgrade & Shoulders	Has all unsuitable materials been removed and replaced with suitable material that will permit compaction?	Y			Y	Y		
SUS003	Road and Bridge Specifications	305.03(a)1	Subgrade & Shoulders	Has the subgrade been compacted within plus or minus 20 percent optimum moisture and to 100% density with consideration of +4 material?	Y		Y		Y		
SUS004	Road and Bridge Specifications	305.03(b)	Subgrade & Shoulders	When solid rock occurs in cuts or the material is not suitable for subgrade or finishing purposes, is the roadbed excavated below the grade shown on the plans and backfilled in accordance with the contract requirements?	Y		Y		Y		
SUS005	Road and Bridge Specifications	305.03(c)	Subgrade & Shoulders	Did the Contractor provide effective drainage for the subgrade and maintain it in a satisfactory condition until the next course was placed?	Y		Y		Y		
SUS006		Contract	Subgrade & Shoulders	Has QC taken and recorded passing densities on subgrade at the proper frequency as per contract requirements and the QA/QC Manual?			Y	Y	Y		
SUS007		Contract	Subgrade & Shoulders	Has QA taken and recorded passing densities on subgrade at the proper frequency as per contract requirements and the QA/QC Manual?				Y	Y		
SUS008		Contract	Subgrade & Shoulders	Has the Associated activity been paid only after all QA/QC reports and documents show that the subgrade and shoulders meet all contract requirements?				Y	Y		
SUS009		Contract	Subgrade & Shoulders	Has IA/IV performed all required testing of Subgrade and Shoulders?					Y		
TAC001	Road and Bridge Specifications	310.03	Tack Coat	During the application of liquid asphalt has it been placed at the required rate and coverage profile as per contract requirements?	Y		Y		Y		
TAC002	Road and Bridge Specifications	310.03	Tack Coat	When not in use, has the distributor(s) been parked so that the spray bar or mechanism will not drip asphalt on the surface of the traveled way?	Y		Y		Y		
TAC003	Road and Bridge Specifications	310.03	Tack Coat	Have the vertical edges of the existing pavements that are adjacent to new pavements been cleaned to permit adhesion of the asphalt?	Y		Y		Y		
TAC004	Road and Bridge Specifications	310.03	Tack Coat	Has the tack coat been applied in accordance with the same weather limitations that apply to the course being placed?	Y		Y		Y		
TCD001	Road and Bridge Specifications	700	Traffic Control Devices - General	Do the materials used in traffic control devices meet the requirements of the appropriate sections of the specifications?	Y		Y		Y		

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TCD002	Road and Bridge Specifications	700	Traffic Control Devices - General	Does the Contractor submit to the Department working drawings, including design calculations and catalog cuts, in accordance with section 105.10 except that each copy shall be submitted with the manufacturer's name and address clearly noted? (2002 - Ref 105.02)	Y			Y	Y		
TCD003	Road and Bridge Specifications	700	Traffic Control Devices - General	In lieu of submitting working drawings and catalog cuts, did the Contractor submit a letter indicating the brands, types, and models of equipment along with the approval numbers and contract item numbers?	Y		Y		Y		
TCD004	Road and Bridge Specifications	700	Traffic Control Devices - General	Does the Contractor include the words "Testing Required" with the approval numbers when material testing is required for the equipment?	Y		Y		Y		
TCD005	Road and Bridge Specifications	700	Traffic Control Devices - General	Are ground electrodes installed according to this section?	Y		Y		Y		
TCD006	Road and Bridge Specifications	700	Traffic Control Devices - General	Are concrete foundations constructed and cured in accordance with Section 404, Hydraulic Cement Concrete Operations?	Y		Y		Y		
TCD007	Road and Bridge Specifications	700	Traffic Control Devices - General	Have all concrete foundations reached their required compressive strength or 28 day time limit prior to any item being erected on them?	Y		Y		Y		
TCD008	Road and Bridge Specifications	700	Traffic Control Devices - General	Have the bolts for the structure been verified to have the proper torque and has QC and QA recorded them and have them on file?				Y	Y		
TCD009	Road and Bridge Specifications	700	Traffic Control Devices - General	Have foundation designs for signal poles, high mast lighting poles, and overhead sign structures been furnished by the Contractor?	Y			Y	Y		
TCD010	Road and Bridge Specifications	700	Traffic Control Devices - General	Has the location of each pole, post, and sign structure been established by the Contractor with a stake bearing the number or identification designated on the plans?	Y			Y	Y		
TCD011	Road and Bridge Specifications	700	Traffic Control Devices - General	If a pole, overhead sign structure, or span wire is located within 10 feet in any direction of an electric power line, did the Contractor notify the Engineer immediately?	Y			Y	Y		
TCD012	Road and Bridge Specifications	700	Traffic Control Devices - General	Has a noncorrosive metal tag been permanently attached to each signal, pedestal and lighting pole, overhead sign structure, and I-beam steel sign post (except U-channel sign post) approximately 30 inches above the foundation?	Y		Y		Y		
TCD013	Road and Bridge Specifications	700	Traffic Control Devices - General	Has installation of materials been accomplished in accordance with the manufacturer's instructions except when otherwise indicated?	Y		Y		Y		
TCD014	Road and Bridge Specifications	700	Traffic Control Devices - General	Have test bores been performed in accordance with the requirements of the contract?	Y			Y	Y		
TCD015	Road and Bridge Specifications	700	Traffic Control Devices - General	Have test bore logs been submitted in accordance with the requirements of the contract?	Y			Y	Y		
TCD016	Road and Bridge Specifications	700	Traffic Control Devices - General	Are hand holes provided on poles, and are they located on the side away from traffic?	Y		Y		Y		
TCD017	Road and Bridge Specifications	700	Traffic Control Devices - General	Are the hand holes at least 3 inches by 5 inches and provided with a cover, gasket, and safety chain?	Y		Y		Y		
TCD018	Road and Bridge Specifications	700	Traffic Control Devices - General	Are breakaway support systems installed in lighting and pedestal poles when required by the plans in accordance with this section?	Y		Y		Y		
TCD019	Road and Bridge Specifications	700	Traffic Control Devices - General	Has conductor cables been installed in accordance with this section and has a megger test been performed?	Y		Y		Y		
TCD020	Road and Bridge Specifications	700	Traffic Control Devices - General	Have conduit systems been installed in accordance with this section?	Y		Y		Y		
TCD021	Road and Bridge Specifications	700	Traffic Control Devices - General	When accessible to the public, was PVC or fiberglass conduit covered with a protective shield for a distance of at least 8 feet above finished grade?	Y		Y		Y		
TCD022	Road and Bridge Specifications	700	Traffic Control Devices - General	When disturbed by the installation of equipment, was sidewalk replaced in accordance with Section 504, Sidewalk, Steps and Handrail along existing joint lines?	Y		Y		Y		
TCD023		QA/QC Plan	Traffic Control Devices - General	Have all documentation and required testing been performed by QA & QC prior to the associated activity being paid?				Y	Y		
TPS001	Road and Bridge Specifications	602	Topsoil	Are all areas designated to receive topsoil graded, shaped and then scarified or tilled by disking, harrowing, or other approved methods to a depth of approximately 2 inches?	Y		Y		Y		

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TPS002	Road and Bridge Specifications	602	Topsoil	Is topsoil spread only on designated areas to the depth shown on the plans or as established by the Engineer?	Y		Y		Y		
TPS003	Road and Bridge Specifications	602	Topsoil	Is topsoil spread only when the subsoil is in a loose, friable condition?	Y		Y		Y		
TPS004	Road and Bridge Specifications	602	Topsoil	Does the applied loose depth of the topsoil allow the area to conform to the elevations shown on the plans after the topsoil settles?	Y		Y		Y		
TPS005	Road and Bridge Specifications	602	Topsoil	After applying topsoil, have large clods, stones > 3" in diameter, brush, roots, stumps, litter, etc. been removed from the area?	Y		Y		Y		
TPS006	Road and Bridge Specifications	602	Topsoil	Is the area seeded within 7 days after topsoil is applied?	Y		Y		Y		
TRA001	Part 2	2.1	Traffic	Did the Design-Builder prepare a Transportation Management Plan in accordance with IIM-241/TE-351?	Y	Y			Y		
TRA002	Part 2	2.1	Traffic	Was the daily implementation of the Design-Builder's Traffic Management Plan (TMP) in accordance with the VWAPM?	Y		Y		Y		
TRA003	Part 2	2.9.1	Traffic	Did the Design-Builder complete and submit an existing sign inventory prior to site demolition?	Y	Y			Y		
TRA004	Part 2	2.9.1.2	Traffic	Does the signing plan show the location and messages of all existing signs, existing sign removals, and location and type of delineation devices?	Y	Y			Y		
TRA005	Part 2	2.10.1	Traffic	Does the Transportation Management Plan include a Maintenance of Traffic Plan detailing all phases of work, proposed lane closures, maintenance of traffic through the work area, and all construction accesses?	Y	Y			Y		
TRA006	Part 2	2.10.2	Traffic	Did the Design-Builder submit an approved Incident Management Plan?	Y	Y			Y		
TRA007	Part 2	2.10.3	Traffic	Were lane closure restrictions and timings adhered to in accordance with the contract requirements?	Y		Y		Y		
TRA008	Part 2	2.10.3	Traffic	Does the Design-Builder have an approved detour plan for any proposed temporary total road closures exceeding 20 minutes?	Y				Y		
TRA009	Part 2	2.10.3	Traffic	Did the Design-Builder provide advance notification via variable message and required static signing for lane and/or shoulder and complete road closures in accordance with the 2011 Virginia Work Area Protection Manual?	Y		Y		Y		
TRA010	Part 2	2.10.4	Traffic	Did the Design-Builder submit to VDOT reasons for failure to restore traffic lanes within the contract lane closure restrictions within two days of occurrence?	Y				Y		
TRA011	Part 2	2.10.6	Traffic	Were Portable Changeable Message Signs used by the Design-Builder in advance of the work zone when closing or shifting lanes within the Project limits?	Y		Y		Y		
TRA012	Part 2	2.11	Traffic	Did the Design-Builder notify VDOT one month in advance of any major impact that causes traffic delays which exceed existing conditions?	Y				Y		
TRA013	SP	105.14	Traffic	Does the Design-Builder have a person on site during all work operations who is certified by the Department's Intermediate Work Zone Traffic Control training or by the American Traffic Safety Services Association (ATSSA) Virginia Intermediate Traffic Control Supervisor (TCS) training?	Y		Y		Y		
TRA014	SP	105.14	Traffic	Are sufficient flaggers provided for the control and protection of vehicular and pedestrian traffic in accordance with the VWAPM?	Y		Y		Y		
TRA015	SP	105.14	Traffic	Are sign faces and reflective surfaces of warning devices kept in a clean and visible condition?	Y		Y		Y		
TRA016	SP	105.14	Traffic	Are signs covered or removed when they are not applicable?	Y		Y		Y		
TRS001	Road and Bridge Specifications	703	Traffic Signals	Are the traffic signals being installed in accordance with the specifications, plans, or as directed by the Engineer?	Y		Y		Y		
TRS002	Road and Bridge Specifications	703	Traffic Signals	Has the manufacturer provided certification from an independent testing lab that controller model, auxiliary equipment, and flasher conform to NEMA environmental and test procedures and any exceptions stated herein unless otherwise specified?	Y			Y	Y		
TRS003	Road and Bridge Specifications	703	Traffic Signals	Are controllers furnished completely housed in a weatherproof cabinet?	Y		Y		Y		
TRS004	Road and Bridge Specifications	703	Traffic Signals	Has the Contractor furnished the manufacturer's instructions for installing and maintaining the equipment?	Y		Y		Y		

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TRS005	Road and Bridge Specifications	703	Traffic Signals	Does the Contractor furnish the Department 3 copies of the timing data and documents used in calculating the timings 60 days prior to timing implementation?	Y			Y	Y		
TRS006	Road and Bridge Specifications	703	Traffic Signals	Did the Contractor provide the final timing plan at least 90 days in advance of implementation or as noted in the contract?	Y			Y	Y		
TRS007	Road and Bridge Specifications	703	Traffic Signals	Has the Contractor installed 2 blue and white prints of the circuit diagram inside the controller cabinet and furnished 3 additional copies to the Engineer?	Y			Y	Y		
TRS008	Road and Bridge Specifications	703	Traffic Signals	Are cast aluminum signal heads used for span wire installations, free-swinging mast arm installations, and pedestal-mounted installations that use only slipfitters?	Y		Y		Y		
TRS009	Road and Bridge Specifications	703	Traffic Signals	Are traffic signal backplates specifically manufactured for the type and brand of signal heads used to ensure proper fit with a border width of 5 inches, of one piece construction, and without louvers?	Y		Y		Y		
TRS010	Road and Bridge Specifications	703	Traffic Signals	Do standard signal head sections conform to the ITE Standard for Vehicle Traffic Control Signal Heads and Section 238, Electrical and Signal Components?	Y		Y		Y		
TRS011	Road and Bridge Specifications	703	Traffic Signals	Do selective view traffic signal head sections conform to the requirements of Section 238, Electrical and Signal Components?	Y		Y		Y		
TRS012	Road and Bridge Specifications	703	Traffic Signals	Do pedestrian signal heads conform to ITE Standards for Pedestrian Traffic Control Signal Indications and Section 238, Electrical and Signal Components?	Y		Y		Y		
TRS013	Road and Bridge Specifications	703	Traffic Signals	Do Lane-use control signal heads conform to ITE Standards for Lane-Use Traffic Control Signal Heads and Section 238, Electrical and Signal Components?	Y		Y		Y		
TRS014	Road and Bridge Specifications	703	Traffic Signals	Did the Contractor obtain approval from the Engineer at least 48 hours prior to discontinuing operation of an existing signal?	Y			Y	Y		
TRS015	Road and Bridge Specifications	703	Traffic Signals	Does the Contractor provide necessary traffic control for maintenance of traffic, as approved by the Engineer, while modifying or replacing existing traffic signals?	Y			Y	Y		
TRS016	Road and Bridge Specifications	703	Traffic Signals	Has the Contractor furnished the Engineer with the name and telephone number of the supervisory employee responsible for responding to repair calls during non-working hours?	Y			Y	Y		
TRS017	Road and Bridge Specifications	703	Traffic Signals	Does the Contractor repair signal malfunctions within four hours from the time of notification?	Y			Y	Y		
TRS018	Road and Bridge Specifications	703	Traffic Signals	Have new or modified signal heads been covered with a durable, non-transparent cover until put into operation?	Y		Y		Y		
TRS019	Road and Bridge Specifications	703	Traffic Signals	Has the Contractor verified the location and alignment of each signal head for orientation to its approach lane(s) prior to installing the signal conductor cable?	Y			Y	Y		
TRS020	Road and Bridge Specifications	703	Traffic Signals	Is the bottom of the housing of all pedestal or bracket-mounted signal faces adjacent to the pavement at least 8 but not more than 15 feet above the sidewalk or pavement grade at the center of the roadway?	Y		Y		Y		
TRS021	Road and Bridge Specifications	703	Traffic Signals	Is the lowest point of the signal head assembly, including backplates and tether wire attachments, at least 15 feet for mast arm and 16 feet for span wire installations above the pavement grade at center of roadway?	Y		Y		Y		
TRS022	Road and Bridge Specifications	703	Traffic Signals	Are pedestrian signal heads mounted with the bottom of the lower signal unit at least 7 but no more than 10 feet above the sidewalk?	Y		Y		Y		
TRS023	Road and Bridge Specifications	703	Traffic Signals	When mounted on the same support, are pedestrian indications mounted below vehicular indications and are they at least 1 foot apart?	Y		Y		Y		
TRS024	Road and Bridge Specifications	703	Traffic Signals	Has the Contractor submitted a detailed drawing for the Designer's written approval if detector locations vary more than (+/-) 2 feet from plan location?	Y			Y	Y		
TRS025	Road and Bridge Specifications	703	Traffic Signals	Are inductive loop detectors not installed in pavement that has been open cut, repaired, or rebuilt in a manner where the pavement structure is not sound and continuous?	Y		Y		Y		
TRS026	Road and Bridge Specifications	703	Traffic Signals	Were Megger tests performed before and after sealant installation in accordance with the requirements of this section?	Y		Y		Y		
TRS027	Road and Bridge Specifications	703	Traffic Signals	Does the Contractor conduct a demonstration test of each signalized intersection for 30 continuous days?				Y	Y		

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TRS028	Road and Bridge Specifications	703	Traffic Signals	Have Phase I & II tests of the traffic control signal system master controller and system coordination been conducted upon completion of the demonstration test for each signalized intersection?	Y			Y	Y		
TRS029	Road and Bridge Specifications	703	Traffic Signals	Did the Contractor furnish the Department written certification that the system control equipment has been installed in accordance with the manufacturer's specifications?	Y			Y	Y		
TRS030		QA/QC Plan	Traffic Signals	Have all documentation and required testing been performed by QA & QC prior to the associated activity being paid?				Y	Y		
TSI001	Road and Bridge Specifications	701	Traffic Signs	Did the reflective sheeting used in traffic signs conform to the requirements of the Materials Section 247 - Reflective Sheeting or the special provision on reflective sheeting?	Y		Y		Y		
TSI002	Road and Bridge Specifications	701	Traffic Signs	Are sign panels smooth, flat, and free from metal burrs and splinters and fabricated of aluminum 0.100 inch in thickness?	Y		Y		Y		
TSI003	Road and Bridge Specifications	701	Traffic Signs	Was the prohibition on joints, splices, or laps on sign panels less than 16 square feet in area, except for one factory splice from the roll or for sign panels fabricated with fluorescent prismatic lens orange sheeting, adhered to?	Y			Y	Y		
TSI004	Road and Bridge Specifications	701	Traffic Signs	When more than one width of sheeting, except fluorescent prismatic lens orange, has been applied to a sign panel, do sheeting edges form a vertical butt joint or overlap <= 3/8 inch or overlap not more than 3/8 inch shingle style for horizontal joints?	Y		Y		Y		
TSI005	Road and Bridge Specifications	701	Traffic Signs	Are the finished sign panels free from cracks, gaps, streaks, wrinkles, blisters, discoloration, buckles, and warps and have a smooth surface of uniform color?	Y		Y		Y		
TSI006	Road and Bridge Specifications	701	Traffic Signs	Do all of the messages, symbols, and other features of the sign message conform to the requirements of the MUTCD?	Y		Y		Y		
TSI007	Road and Bridge Specifications	701	Traffic Signs	Are lines of message and features straight and properly spaced with letters, numerals, and borders smooth and free of irregular edges?	Y		Y		Y		
TSI008	Road and Bridge Specifications	701	Traffic Signs	Has the complete outer edge, splices, messages, and borders of the signs been sealed?	Y		Y		Y		
TSI009	Road and Bridge Specifications	701	Traffic Signs	Have all new or relocated signs been transported, stored, and protected in accordance with the requirements of these sections?	Y		Y		Y		
TSI010	Road and Bridge Specifications	701	Traffic Signs	Have sign panels been installed in accordance with this section?	Y		Y		Y		
TSI011	Road and Bridge Specifications	701	Traffic Signs	When sign panels are installed prior to their need, was a porous cloth cover rendering the message nonvisible placed over the sign panel and properly secured?	Y		Y		Y		
TSI012	Road and Bridge Specifications	701	Traffic Signs	Is damage to reflective sheeting repaired in accordance with the requirements of this section?	Y		Y		Y		
TSI013		QA/QC Plan	Traffic Signs	Have all documentation and required testing been performed by QA & QC prior to the associated activity being paid?				Y	Y		
UDR001	Road and Bridge Specifications	501	Underdrains	Are underdrain trenches excavated to the dimensions and grade required by the standard drawings, plans, or the Engineer?	Y		Y		Y		
UDR002	Road and Bridge Specifications	501	Underdrains	When polyethylene (PE) corrugated pipe is used for underdrains or outlet pipe, was the pipe smooth wall, non-perforated at the outlet? [Ref.Section 232.02(j)]	Y		Y		Y		
UDR003	Road and Bridge Specifications	501	Underdrains	Are the perforations on perforated pipe placed facing downward on a bed of aggregate material and pipe sections joined with appropriate couplings?	Y		Y		Y		
UDR004	Road and Bridge Specifications	501	Underdrains	If semiround pipe is used, is the rounded side placed down?	Y		Y		Y		
UDR005	Road and Bridge Specifications	501	Underdrains	Are the upgrade ends of pipe, except for combination underdrains, closed with suitable plugs?	Y		Y		Y		
UDR006	Road and Bridge Specifications	501	Underdrains	Where an underdrain connects with a manhole or catch basin, was a suitable connection made through the wall of the manhole or catch basin?	Y		Y		Y		
UDR007	Road and Bridge Specifications	501	Underdrains	Has Geotextile drainage fabric been installed as designated and has torn or punctured material been replaced with same type of fabric?	Y		Y		Y		

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UDR008	Road and Bridge Specifications	501	Underdrains	After the pipe installation has been approved by the Engineer, was aggregate backfill placed and compacted?	Y		Y		Y		
UDR009	Road and Bridge Specifications	501	Underdrains	Is nonperforated pipe used for combination underdrain outlets?	Y		Y		Y		
UDR010		QA/QC Plan	Underdrains	Have all documentation and required testing been performed by QA & QC prior to the associated activity being paid?				Y	Y		
UTL001	Part 2	2.13	Utilities	Did the Design-Builder make all reasonable efforts to design the Project to avoid conflicts with utilities, and minimize impacts where conflicts cannot be avoided?	Y	Y			Y		
UTL002	Part 2	2.13	Utilities	Did the Design-Builder coordinate and conduct a preliminary utility review meeting with all affected utility owners, VDOT's Project Manager and Regional Utilities Manager/Design Build Projects Utility Coordinator?	Y				Y		
UTL003	Part 2	2.13	Utilities	Did the Design-Builder prepare and submit to VDOT a Preliminary Utility Status Report within 120 days of the Date of Commencement?	Y				Y		
UTL004	Part 2	2.13	Utilities	Did the Design-Builder submit all utility relocation plans to VDOT?	Y				Y		
UTL005	Part 2	2.13	Utilities	Did the Design-Builder receive written approval from VDOT prior to authorizing utilities to commence relocation construction?	Y				Y		
UTL006	Part 2	2.13	Utilities	Are all utility relocation plans certified by the Design-Builder stating that the proposed relocation will not conflict with the proposed roadway improvement and another utility owner's relocation plan?	Y				Y		
UTL007	SP	105.08	Utilities	Did the Design-Builder report to VDOT any failure on the part of a utility owner to cooperate or proceed with the planned utility adjustments?	Y				Y		
VCM001	Road and Bridge Specifications	109.05	VDOT'S Contract Management	Has extra work been documented and items that require work orders approved prior to work being performed?	Y			Y	Y		
VCM002	Road and Bridge Specifications	104-700	VDOT'S Contract Management	Does the Inspector promptly notify the Contractor of non-conformance with the contract documents by the Contractor?	Y		Y		Y		
VCM003	Road and Bridge Specifications	104-700	VDOT'S Contract Management	Has the Department obtained the appropriate environmental permits if any are required?					Y		
VCM004	Road and Bridge Specifications	104-700	VDOT'S Contract Management	Are all permits and special provision maintained on-site and are dates still applicable?		Y		Y	Y		
VCM005	Road and Bridge Specifications	104-700	VDOT'S Contract Management	Have asphalt surfaces been straight edged as required?	Y		Y		Y		
VCM006	Road and Bridge Specifications	104-700	VDOT'S Contract Management	Has the pavement smoothness been determined as specified?	Y		Y		Y		
VCM007	Road and Bridge Specifications	104-700	VDOT'S Contract Management	Following concrete set and prior to placement of other slabs, was the deck surface tested and approved by the Engineer and in accordance with this section?	Y			Y	Y		
VCM008	Road and Bridge Specifications	104-700	VDOT'S Contract Management	Have prestressed items been checked for cracks and the Construction Manager notified as per Section 405 of the Construction Manual?	Y		Y		Y		
VCM009	Road and Bridge Specifications	104-700	VDOT'S Contract Management	Did the Inspector check the bearing pads and the vertical and horizontal alignment of the beams prior to the Contractor installing the diaphragms?	Y		Y		Y		
VCM010	Road and Bridge Specifications	104-700	VDOT'S Contract Management	Are inspections of work zones that affect traffic conducted and documented in accordance with applicable IIM?				Y	Y		
VCM011	Road and Bridge Specifications	104-700	VDOT'S Contract Management	Do the Work Zone Traffic Coordinator and/or other required project personnel have available a current copy of the MUTCD and/or Work Area Protection Manual? (Construction Manual)	Y		Y		Y		
VCM012	Road and Bridge Specifications	104-700	VDOT'S Contract Management	Has the QC/QA approved the Contractor's daily record and mapping format prior to commencement of work (Paint coatings) as required in this section?				Y	Y		
VCM013	Road and Bridge Specifications	104-700	VDOT'S Contract Management	Has the Design-Builder verified the site-specific environmental plan contains all the necessary elements stated in this section?				Y	Y		
VCM014	Road and Bridge Specifications	104-700	VDOT'S Contract Management	Has the Contractor implemented required environmental protections when project work involves the removal of greater than 100 square feet of coating from a Type B structure?	Y			Y	Y		
VCM015	Road and Bridge Specifications	705	VDOT'S Contract Management	Was a process timeline for making decisions and managing communications agreed upon by VDOT and the Contractor at the Pre-Construction Conference?	Y				Y		

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					Design-Builder	Design-Builder's Design Firm	Quality Control	Quality Assurance	Independent Assurance/ Independent Verification		
WRR001	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Was cleaning performed by sandblasting, waterblasting, or other approved methods in order to remove concrete or other materials detrimental to achieving a bond?	Y			Y	Y		
WRR002	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Were dimensions of existing structures pertinent to construction field-checked by the Contractor?	Y		Y		Y		
WRR003	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Did QC note in their diaries when dimensions were checked and did they document the measurements in he project documents?			Y	Y	Y		
WRR004	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Has QA verified and checked sample size of measurements and documented their information in the project records?				Y	Y		
WRR005	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Has the deck repair concrete attained 93% of the minimum design compressive strength before overlays are placed?	Y		Y		Y		
WRR006	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Was vehicular traffic not allowed on the bridge until the overlay obtained a compressive strength of 3,500 psi?	Y		Y		Y		
WRR007	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Have expansion joints and dams been maintained through the overlay by use of bulkheads equal in thickness to the width of the joint and installed to the required grade and profile?	Y		Y		Y		
WRR008	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Was the end of the overlay placement protected from drying during delays of 1 hour or less?	Y		Y		Y		
WRR009	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Within 24 hours immediately preceding the beginning of latex or silica fume concrete overlay, was the entire surface to be overlaid thoroughly cleaned?	Y		Y		Y		
WRR010	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Was the surface to be overlaid continuously and thoroughly water soaked for at least 1 hour prior to overlay placement?	Y		Y		Y		
WRR011	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Is overlay placed only when the ambient air temperature is 50 degrees F and rising?	Y		Y		Y		
WRR012	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Was a thorough, even coating of latex concrete or silica fume brushed onto the prepared surface prior to overlay placement?	Y		Y		Y		
WRR013	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Was the latex concrete surface cured through prompt application of wet burlap, covered with polyethylene, and kept continuously moist for the initial 48 hour curing period, followed by 48 hours of air curing?	Y		Y		Y		
WRR014	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Were the methods used to remove asphalt wearing surfaces from bridge decks and approach slabs of such nature as to promote bonding with subsequent treatments?	Y		Y		Y		
WRR015	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Was substructure surface repair performed in accordance with Type B patching?	Y		Y		Y		
WRR016	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Was concrete removed to a depth as specified on the plans or as directed by the Engineer?	Y			Y	Y		
WRR017	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Did the Contractor submit a method of jacking and blocking beams for seat repair for the Engineer's approval?	Y			Y	Y		

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WRR018	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Prior to deck placement, did the Contractor perform a yield test for each mixing unit according to the requirements of this section?	Y		Y		Y		
WRR019	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Were measures taken to reduce the rate of evaporation if the rate exceeds 0.05 lb/sq ft/hr during placement?	Y			Y	Y		
WRR020	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Were silica fume concrete surfaces cured through prompt application of wet burlap kept continuously moist for the initial 72 hour curing period, followed immediately by the application of curing compound?	Y		Y		Y		
WRR021	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Was the minimum thickness of Class A, Class B, or shotcrete containing silica fume as specified for cover over reinforcing steel?	Y		Y		Y		
WRR022	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Did the Contractor submit for the Engineer's approval shotcrete mixture proportions and performance test data for each class of shotcrete based on the materials to be used in the project?	Y		Y		Y		
WRR023	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Was shotcrete delivery equipment approved by the Engineer prior to commencement of the work?	Y		Y		Y		
WRR024	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Was gunning of test panels required for approval of inexperienced nozzlemen or supervisors?	Y			Y	Y		
WRR025	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Did temperature requirements and application methods conform to the requirements of this section?	Y		Y		Y		
WRR026	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Was initial and final finishing performed as specified?	Y		Y		Y		
WRR027	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Was the shotcrete fogged, if necessary, and moist cured for at least 7 days or cured using a curing compound?	Y		Y		Y		
WRR028	Road and Bridge Specifications	412	Widen, Repair, & Reconstruct Exist. Structures	Were test panels for compressive strength and for preconstruction testing, if required, prepared as specified?	Y			Y	Y		
WRR029	Road and Bridge Specifications	412.03(a)	Widen, Repair, & Reconstruct Exist. Structures	Was the repair area surface sounded with a masonry hammer in accordance with ASTM D4580?	Y			Y	Y		
WRR030	Road and Bridge Specifications	412.03(a)	Widen, Repair, & Reconstruct Exist. Structures	Have exposed reinforcing bars been cleaned as per the contract documents?	Y		Y		Y		
WRR031	Road and Bridge Specifications	412.03(a)	Widen, Repair, & Reconstruct Exist. Structures	Have reinforcing bars that have lost 1/4 or more of their original cross-sectional area been repaired in accordance the contract documents?	Y		Y		Y		
WRR032	Road and Bridge Specifications	412.03(a)	Widen, Repair, & Reconstruct Exist. Structures	Was dust and debris removed by blowing with compressed air or by hosing with water?	Y		Y		Y		
WRR033	Road and Bridge Specifications	412.03(a)	Widen, Repair, & Reconstruct Exist. Structures	Were dowels or expansion bolts provided when joining new and existing concrete?	Y		Y		Y		
WRR034	Road and Bridge Specifications	412.03(a)	Widen, Repair, & Reconstruct Exist. Structures	Was concrete work done in accordance with the section 404 on Hydraulic Cement Concrete Operations except that surfaces were finished to match the existing adjacent surfaces?	Y		Y		Y		

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WRR035	Road and Bridge Specifications	412.03(a)	Widen, Repair, & Reconstruct Exist. Structures	Were areas to be repaired outlined with saw cuts to a depth of at least 1 inch or that which will clear the top of reinforcing steel?	Y		Y		Y		
WRR036	Road and Bridge Specifications	412.03(a)	Widen, Repair, & Reconstruct Exist. Structures	Has all the loose and unsound material been removed using hand tools or pneumatic hammers weighing 35 pounds or less and worked at an angle of 45 to 60 degrees to the plane of the concrete surface being removed or as per the contract documents?	Y		Y		Y		
WRR037	Road and Bridge Specifications	412.03(a)	Widen, Repair, & Reconstruct Exist. Structures	Were plan details not adaptable to existing structures modified as per the contract documents?	Y			Y	Y		
WRR038	Road and Bridge Specifications	412.03(b)	Widen, Repair, & Reconstruct Exist. Structures	Were epoxy mortar patches exceeding 8 feet in a longitudinal direction and intended for use as a finished riding surface tested according to the section 404.04 Bridge Deck Construction?	Y		Y		Y		
WRR039	Road and Bridge Specifications	412.03(b)	Widen, Repair, & Reconstruct Exist. Structures	Have structural or dormant cracks been V-grooved to a depth of approximately 1/2 inch, blown clean, and filled with neat epoxy?	Y		Y		Y		
WRR040	Road and Bridge Specifications	412.03(b)	Widen, Repair, & Reconstruct Exist. Structures	Was superstructure surface repair performed in accordance with Type B patching?	Y		Y		Y		
WRR041	Road and Bridge Specifications	412.03(b)	Widen, Repair, & Reconstruct Exist. Structures	When concrete surface repairs are made, was a cover of at least 2 inches maintained over all reinforcing steel, expansion bolts, and welded wire fabric, except in transition areas, at patches less than 2" in depth over existing concrete?	Y		Y		Y		
WRR042	Road and Bridge Specifications	412.04	Widen, Repair, & Reconstruct Exist. Structures	Has all Contractor responsibilities been satisfied prior to payment of activity?	Y			Y	Y		
WRR043	Road and Bridge Specifications	412.04	Widen, Repair, & Reconstruct Exist. Structures	Has all QA/QC/IA responsibilities been satisfied prior to payment of activity?				Y	Y		
WRR044		QA/QC Plan	Widen, Repair, & Reconstruct Exist. Structures	Have all documentation and required testing been performed by QA & QC prior to the associated activity being paid?				Y	Y		
WSS001	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Do water and sewer materials conform to the requirements of this section?	Y		Y		Y		
WSS002	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Have all underground utilities and obstructions been located in accordance with the general provisions of Section 105.08, Cooperation with Regard to Utilities? (2002 - Ref Section 105.07)	Y		Y		Y		
WSS003	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Have the trenches been opened a sufficient distance ahead of the work or test pits made to verify the exact locations and inverts of the utility to allow for changes in line of grade?	Y		Y		Y		
WSS004	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Have provisions been made to maintain adequate and safe passage over excavations to accommodate pedestrians or vehicles?	Y		Y		Y		
WSS005	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Are water supplies protected from contamination by sewage in accordance with this section?	Y		Y		Y		
WSS006	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Is excavation, backfill and compaction performed in accordance with Section 302 and this section?	Y		Y		Y		
WSS007	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Are pipe and fittings inspected for cracks and defects in accordance with this section?	Y		Y		Y		
WSS008	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Is pipe placed in accordance with this section?	Y		Y		Y		
WSS009	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Is pipe for fittings or closure pieces cut in a neat and orderly manner without damage to the pipe?	Y		Y		Y		
WSS010	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Is pipe joined in accordance with this section?	Y		Y		Y		

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WSS011	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Are plugs, caps, tees, and bends placed in accordance with this section?	Y		Y		Y		
WSS012	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Is encasement pipe installed in accordance with the Section 302, Drainage Structures?	Y		Y		Y		
WSS013	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Prior to installation, has existing pipe to be encased been cleaned and foreign material removed?	Y		Y		Y		
WSS014	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Are valves, valve boxes and manholes constructed in accordance with this section?	Y		Y		Y		
WSS015	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Are fire hydrants set in accordance with this section?	Y		Y		Y		
WSS016	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Are corporation stops made while the main is under pressure and at a 45-degree angle to the horizontal plane?	Y		Y		Y		
WSS017	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Are water meters and yokes placed in accordance with this section and local authorities requirements?	Y		Y		Y		
WSS018	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Is jacked encasement pipe installed in accordance with Section 302, Drainage Structures for Jacked Method of Pipe Culverts?	Y		Y		Y		
WSS019	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Are sanitary service lateral connections made in accordance with this section?	Y		Y		Y		
WSS020	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Are sanitary manholes and manhole frames and covers constructed in accordance with Section 302, Drainage Structures?	Y		Y		Y		
WSS021	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Are sanitary drop connections constructed in accordance with Section 302 Drainage Structures, 303 Earthwork, 404 Hydraulic Cement Concrete Operations and 406 Reinforcing Steel?	Y		Y		Y		
WSS022	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Are sewer cleanouts constructed in accordance with Section 302 Drainage Structures, 303 Earthwork, 404 Hydraulic Cement Concrete Operations and 406 Reinforcing Steel?	Y		Y		Y		
WSS023	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Is conveying sewage performed in accordance with this section?	Y		Y		Y		
WSS024	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Have water mains and appurtenances been tested for leakage in accordance with this section?	Y			Y	Y		
WSS025	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Have gravity sanitary sewers been tested for leakage in accordance with this section?	Y			Y	Y		
WSS026	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Have force main sanitary sewers been tested for leakage in accordance with this section?	Y			Y	Y		
WSS027	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Are offsets of existing pipes placed in accordance with this section?	Y		Y		Y		
WSS028	Road and Bridge Specifications	520	Water & Sanitary Sewer Facilities	Have all water mains and accessories been disinfected prior to tie-ins in accordance with AWWA C651?	Y		Y		Y		
WSS029		QA/QC Plan	Water & Sanitary Sewer Facilities	Have all documentation and required testing been performed by QA & QC prior to the associated activity being paid?				Y	Y		

Note: QA/QC in the reference column refers to the Minimum Requirements for Quality Assurance and Quality Control on Design-Build and P3 Projects.

Responsibility of	Scored 1,2	Scored 3,4	Total Q's	CQIP Score
Design-Builder	0	0	0	#DIV/0!
Design-Builder's Design Firm	0	0	0	#DIV/0!
Quality Control Firm	0	0	0	#DIV/0!
Quality Assurance Firm	0	0	0	#DIV/0!
Owner's Independent Assurance/Independent Verification	0	0	0	#DIV/0!
OVERALL:	**0**	**0**	**0**	**#DIV/0!**