

1 Make the following Section a part of the Standard Specifications:

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3 **SECTION 636 – E-CONSTRUCTION**
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6 **636.01 Description.** This section specifies requirements for performing the
7 Project in a “paperless” manner, using electronic tools for all submittals,
8 communications, quantity tracking, testing, and sampling, scheduling, quality
9 control, and performance monitoring.

10
11 **636.02 General Requirements.** The Contractor shall implement the use of the
12 E-Construction platform, as provided by the HDOT and directed by the Engineer,
13 for use throughout the project. Paper-based or hard copy submittals will not be
14 accepted.

15
16 This Special Provision shall take precedence over all other Specification
17 sections with respect to providing and receiving paper copy communications,
18 submittals, and any project records. Where conflicts exist, and a decision between
19 a hard-copy item and a corresponding electronic version is needed, the electronic
20 version shall be selected, unless otherwise directed by the Engineer.

21
22 **636.03 Construction**
23

24 **(A) Plans and Specifications.** Project drawings will not be provided to
25 the Contractor in hard copy format. An electronic version will be provided
26 in the E-Construction platform for use during the project.
27

28 The Contractor shall note all changes to the work, including all
29 subcontractor’s work, in electronic format using the E-Construction platform
30 Red annotations shall be used to note changes. Blue annotations shall be
31 used for any additional notes that will be helpful for the State in interpreting
32 the field posted drawings. Other drafting standards may be implemented
33 by the Engineer and shall be adhered to by the Contractor. Changes shall
34 be input by the Contractor and reviewed by the Engineer monthly. The
35 Contractor shall make any changes that the Engineer requires.
36

37 **(B) Submittals.** The Contractor shall provide all required submittals, as
38 listed within the contract documents, via the E-Construction platform. All
39 review, approval, and resubmittal regarding submittals shall also be
40 documented within the E-Construction platform
41

42 **(C) Correspondence.** Electronic mail (email) shall be the preferred
43 method of electronic communication. All communications that affect project
44 scope, schedule, cost, or quality, including changes and requests for
45 information, shall be submitted as directed by the Engineer.
46

47 **(D) Prosecution and Progress.** The Contractor shall provide all
48 administrative, management, and project support documents required by
49 various specification sections, using the E-Construction platform. These
50 elements include, but are not limited to:
51

- 52 (1) Preconstruction Submittals (Section 108.03)
- 53 (2) Correspondence regarding Contract Time and Delays
54 (Section 108.05)
- 55 (3) Progress Schedules (Section 108.06)
- 56 (4) Weekly Meeting preparatory materials (Section 108.07)
- 57 (5) Samples, certifications, material data, installation instructions,
58 and shop drawings (Sections 105 and 106)
- 59 (6) Field-posted Drawings (Section 648)
- 60 (7) Pre-Final Inspection submittals (Section 108.13)
- 61 (8) Warranty documentation (Section 108.17)
- 62 (9) Project Closing Documents (Section 108.19)
- 63

64 In addition to the foregoing, the Contractor shall provide any
65 other materials, correspondence, and submittals using the E-
66 Construction platform as directed by the Engineer.
67

68 **(E) Resources.** The Contractor shall provide a comprehensive list of
69 Contractor labor and equipment, including all subcontractor labor and
70 equipment, that will be deployed on the project, using spreadsheet-based
71 templates provided in the E-Construction platform. All template fields shall
72 be completed. The submitted information shall comply with the
73 requirements of Specification Section 108 – Prosecution and Progress
74 (identification of labor and equipment resources) and Specification Section
75 109 - Measurement and Payment (cost data) and represent all individual
76 personnel with labor categories and rates, and all equipment owned or
77 rented, with associated rates, on this project. Updates for additional
78 personnel or equipment shall be accomplished by the Contractor at will and
79 shall be completed when directed by the Engineer.
80

81 **636.04 Measurement.** The Engineer will measure additional E-Construction
82 programs, additional licenses, or additional equipment, if ordered by the Engineer,
83 on a force account basis in accordance with Subsection 109.06 – Force Account
84 Provisions and Compensation.

85
86 **636.05 Payment.** The Engineer will pay for the additional E-Construction
87 programs, additional licenses, or additional equipment,-on a force account basis in
88 accordance with Subsection 109.06 – Force Account Provisions and
89 Compensation.

90
91 The Engineer may withhold progress payment until the Contractor is in
92 compliance with all E-Construction requirements.

93	94	95	96	97	98	99
		Pay Item			Pay Unit	
		Additional E-Construction Programs,				
		additional licenses or additional equipment			Force Account	

100 An estimated amount for force account may be allocated in the proposal
101 schedule under “Additional E-Construction Programs, additional licenses or
102 additional equipment.” The actual amount to be paid will be the sum shown on
103 accepted force account records.

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105
106
107
108 **END SECTION 636**
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