

1 Amend **Section 108 – PROSECUTION AND PROGRESS** to read as follows:

2
3 **“108 – PROSECUTION AND PROGRESS**

4
5 **108.01 Notice to Proceed (NTP).** A Notice To Proceed will be issued to the
6 Contractor not more 30 days after the contract certification date. The Engineer
7 may suspend the contract before issuing the Notice To Proceed, in which case
8 the Contractor’s remedies are exclusively those set forth in Subsection 108.10 –
9 Suspension of Work.

10
11 The Contractor shall be allowed up to 60 calendar days after the Notice to
12 Proceed to begin physical work. The Start Work Date will be established when
13 this period ends or on the actual day that physical work begins, whichever is first.
14 Charging of Contract Time will begin on the Start Work Date. The Contractor
15 shall notify the Engineer, in writing, at least five working days before beginning
16 physical work.

17
18 In the event that the Contractor fails to start physical work within the time
19 specified, the Engineer may terminate the contract in accordance with
20 Subsection 108.11 – Termination of Contract for Cause.

21
22 During the period between the Notice to Proceed and the Start Work Date
23 the Contractor should adjust work forces, equipment, schedules, and procure
24 materials and required permits, prior to beginning physical work.

25 Any physical work done prior to the Start Work Date will be considered
26 unauthorized work. If the Engineer does not direct that the unauthorized work be
27 removed, it shall be paid for after the Start Work Date and only if it is acceptable.

28
29 In the event that the Engineer establishes, in writing, a Start Work Date
30 that is beyond 60 calendar days from the Notice to Proceed date, the Contractor
31 may submit a claim in accordance with, Subsection 107.15 – Disputes and
32 Claims for increased labor and material costs which are directly attributable to
33 the delay beyond the first 60 calendar days after the NTP date.

34
35 The Contractor shall notify the Engineer at least 24 hours before restarting
36 physical work after a suspension of work pursuant to Subsection 108.10 –
37 Suspension of Work.

38
39 Once physical work has begun, the Contractor shall work expeditiously
40 and pursue the work diligently to completion with the contract time. If a portion of
41 the work is to be done in stages, the Contractor shall leave the area safe and
42 usable for the user agency and the public at the end of each stage.

43
44 **108.02 Prosecution of Work.** Unless otherwise permitted by the Engineer,
45 in writing, the Contractor shall not commence with physical construction unless
46 sufficient materials and equipment are available for either continuous
47 construction or completion of a specified portion of the work.

49 **108.03 Preconstruction Submittals.** The awardee shall submit to the
50 Engineer for information and review the pre-construction submittals within 30
51 calendar days from notice to proceed. Until the items listed below are received
52 and found acceptable by the Engineer, the Contractor shall not start physical
53 work unless otherwise authorized to do so in writing and subject to such
54 conditions set by the Engineer. Charging of Contract Time will not be delayed,
55 and additional contract time will not be granted due to Contractor delay in
56 submitting acceptable preconstruction submittals. No progress payment will be
57 made to the Contractor until the Engineer acknowledges, in writing, receipt of
58 the following preconstruction submittals acceptable to the Engineer:

- 59
60 (1) List of the Superintendent and other Supervisory Personnel, and
61 their contact information.
- 62
63 (2) Name of person(s) authorized to sign for the Contractor.
- 64
65 (3) Work Schedule including hours of operation.
- 66
67 (4) Initial Progress Schedule (See Subsection 108.06 – Progress
68 Schedule).
- 69
70 (5) Water Pollution and Siltation Control Submittals, including Site-
71 Specific Best Management Practice Plan.
- 72
73 (6) Solid Waste Disposal form.
- 74
75 (7) Tax Rates.
- 76
77 (8) Insurance Rates.
- 78
79 (9) Certificate of Insurance, satisfactory to the Engineer, indicating
80 that the Contractor has in place all insurance coverage required by the
81 contract documents.
- 82
83 (10) Schedule of agreed prices.
- 84
85 (11) List of suppliers.
- 86
87 (12) Traffic Control Plan, if applicable.

88
89 **108.04 Character and Proficiency of Workers.** The Contractor shall at all
90 times provide adequate supervision and sufficient labor and equipment for
91 prosecuting the work to full completion in the manner and within the time required
92 by the contract. The superintendent and all other representatives of the
93 Contractor shall act in a civil and honest manner in all dealings with the Engineer,
94 all other State officials and representatives, and the public, in connection with
95 the work.

97 All workers shall possess the proper license, certification, job
98 classification, skill, training, and experience necessary to properly perform the
99 work assigned to them.

100
101 The Engineer may direct the removal of any worker(s) who does not carry
102 out the assigned work in a proper and skillful manner or who is disrespectful,
103 intemperate, violent, or disorderly. The worker shall be removed forthwith by
104 the Contractor and will not work again without the written permission of the
105 Engineer.

106 107 **108.05 Contract Time.**

108
109 **(A) Calculation of Contract Time.** When the contract time is on a
110 working day basis, the total contract time allowed for the performance of
111 the work will be the number of working days shown in the contract plus
112 any additional working days authorized in writing as provided hereinafter.
113 The count of elapsed working days to be charged against contract time,
114 will begin from the Start Work Date and will continue consecutively to the
115 date of Substantial Completion. When multiple shifts are used to
116 perform the work, the State will not consider the hours worked over the
117 normal eight working hours per day or night as an additional working day.

118
119 When the contract is on a calendar day basis, the total contract time
120 allowed for the performance of the work will be the number of days shown
121 in the contract plus any additional days authorized in writing as provided
122 hereinafter. The count of elapsed days to be charged against contract
123 time will begin from the Start Work Date and will continue consecutively to
124 the date of Substantial Completion. The Engineer will exclude days
125 elapsing between the orders of the Engineer to suspend work and resume
126 work for suspensions not the fault of the Contractor.

127
128 **(B) Modifications of Contract Time.** Whenever the Contractor
129 believes that an extension of contract time is justified, the Contractor shall
130 serve written notice on the Engineer not more than five working days after
131 the occurrence of the event that causes a delay or justifies a contract time
132 extension. Contract time may be adjusted for the following reasons or
133 events, but only if and to the extent the critical path has been affected:

134
135 **(1) Changes in the Work, Additional Work, and Delays**
136 **Caused by the State.** If the Contractor believes that an
137 extension of time is justified on account of any act or omission by
138 the State, and is not adequately provided for in a field order or
139 change order, it must request the additional time as provided
140 above. At the request of the Engineer, the Contractor must show
141 how the critical path will be affected and must also support the time
142 extension request with schedules, as well as statements from its
143 subcontractors, suppliers, or manufacturers, as necessary.

Claims for compensation for any altered or additional work will be determined pursuant to Subsection 104.02 – Changes.

Additional time to perform the extra work will be added to the time allowed in the contract without regard to the date the change directive was issued, even if the contract completion date has passed. A change requiring time issued after contract time has expired will not constitute an excusal or waiver of pre-existing Contractor delay.

(2) Delay for Permits. For delays in the routine application and processing time required to obtain necessary permits, including permits to be obtained from State agencies, the Engineer may grant an extension provided that the permit takes longer than 30 days to acquire and the delay is not caused by the Contractor, and provided that as soon as the delay occurs, the Contractor notifies the Engineer in writing that the permits are not available. Permits required by the contract that take less than 30 days to acquire from the time which the appropriate documents are granted shall be acquired between Notice to Proceed and Start Work Date or accounted for in the contractor's progress schedule. Time extensions will be the exclusive relief granted on account of such delays.

(3) Delays Beyond Contractor's Control. For delays caused by acts of God, a public enemy, fire, inclement weather days or adverse conditions resulting therefrom, earthquakes, floods, epidemics, quarantine restrictions, labor disputes impacting the Contractor or the State, freight embargoes and other reasons beyond the Contractor's control, the Contractor may be granted an extension of time provided that:

(a) In the written notice of delay to the Engineer, the Contractor describes possible effects on the completion date of the contract. The description of delays shall:

1. State specifically the reason or reasons for the delay and fully explain in a detailed chronology how the delay affects the critical path.
2. Include copies of pertinent documentation to support the time extension request.
3. Cite the anticipated period of delay and the time extension requested.
4. State either that the above circumstances have been cleared and normal working conditions restored

as of a certain day or that the above circumstances will continue to prevent completion of the project.

(b) The Contractor shall notify the Engineer in writing when the delay ends. Time extensions will be the exclusive relief granted and no additional compensation will be paid the Contractor for such delays.

(4) Delays in Delivery of Materials or Equipment. For delays in delivery of materials or equipment, which occur as a result of unforeseeable causes beyond the control and without fault of the Contractor, its subcontractor(s) or supplier(s), time extensions shall be the exclusive relief granted and no additional compensation will be paid the Contractor on account of such delay. The delay shall not exceed the difference between the originally scheduled delivery date and the actual delivery date. The Contractor may be granted an extension of time provided that it complies with the following procedures:

(a) The Contractor's written notice to the Engineer must describe the delays and state the effect such delays may have on the critical path.

(b) The Contractor, if requested, must submit to the Engineer within five days after a firm delivery date for the material and equipment is established, a written statement regarding the delay. The Contractor must justify the delay as follows:

1. State specifically all reasons for the delay. Explain in a detailed chronology the effect of the delay on the critical path.

2. Submit copies of purchase order(s), factory invoice(s), bill(s) of lading, shipping manifest(s), delivery tag(s), and any other documents to support the time extension request.

3. Cite the start and end date of the delay and the time extension requested.

(5) Delays for Suspension of Work. When the performance of the work is totally suspended for one or more days (calendar or working days, as appropriate) by order of the Engineer in accordance with Subsections 108.10(A)(1), 108.10(A)(2), or 108.10(A)(5) the number of days from the effective date of the Engineer's order to suspend operations to the effective date of the Engineer's order to resume operations shall not be counted as

contract time and the contract completion date will be adjusted. During periods of partial suspensions of the work, the Contractor will be granted a time extension only if the partial suspension affects the critical path. If the Contractor believes that an extension of time is justified for a partial suspension of work, it must request the extension in writing at least five working days before the partial suspension will affect the critical operation(s) in progress. The Contractor must show how the critical path was increased based on the status of the work and must also support its claim if requested, with statements from its subcontractors. A suspension of work will not constitute a waiver of pre-existing Contractor delay.

(6) Contractor Caused Delays. No time extension will be granted under the following circumstances:

(a) Delays within the Contractor's control in performing the work caused by the Contractor, subcontractor, supplier, or any combination thereof.

(b) Delays within the Contractor's control in arrival of materials and equipment caused by the Contractor, subcontractor, supplier, or any combination thereof, in ordering, fabricating, and delivery.

(c) Delays requested for changes which do not affect the critical path.

(d) Delays caused by the failure of the Contractor to make submittals in a timely manner for review and acceptance by the Engineer, such as but not limited to shop drawings, descriptive sheets, material samples, and color samples except as covered in Subsection 108.05(B)(3) and 108.05(B)(4).

(e) Delays caused by the failure to submit sufficient information and data in a timely manner in the proper form in order to obtain necessary permits related to the work.

(f) Failure to follow the procedure within the time allowed by contract to request a time extension.

(g) Failure of the Contractor to provide evidence sufficient to support the time extension request.

(7) Reduction in Time. If the State deletes or modifies any portion of the work, an appropriate reduction of contract time may be made in accordance with Subsection 104.02 - Changes.

288
289 **108.06 Progress Schedules.**
290

291 **(A) Forms of Schedule.** All schedules shall be submitted using the
292 specific computer program designated in the bid documents. If no such
293 scheduling software program is designated, then all schedules shall be
294 submitted using the latest version of Microsoft Project by Microsoft or
295 approved equivalent software program.
296

297 Schedule submittals shall be as follows:
298

299 **(1) For Contracts \$2,000,000 or less or For Contract Time**
300 **100 Working Days or 140 Calendar Days or Less.** For
301 contracts of \$2,000,000 or less or for contract time of 100 working
302 days or 140 calendar days or less, the progress schedule will be a
303 Time Scaled Logic Diagram (TSLD). The Contractor shall submit
304 a TSLD submittal package meeting the following requirements and
305 having these essential and distinctive elements:
306

307 **(a)** The major features of work, such as but not limited to
308 BMP installation, grubbing, roadway excavation, structure
309 excavation, structure construction, shown in the
310 chronological order in which the Contractor proposes to work
311 that feature or work and its location on the project. The
312 schedule shall account for normal inclement weather,
313 unusual soil or other conditions that may influence the
314 progress of the work, schedules, and coordination required
315 by any utility, off or on site fabrications, and other pertinent
316 factors that relate to progress;
317

318 **(b)** All features listed or not listed in the contract
319 documents that the Contractor considers a controlling factor
320 for the timely completion of the contract work.
321

322 **(c)** The time span and sequence of the activities or
323 events for each feature, and its interrelationship and
324 interdependencies in time and logic to other features in order
325 to complete the project.
326

327 **(d)** The total anticipated time necessary to complete work
328 required by the contract.
329

330 **(e)** A chronological listing of critical intermediate dates or
331 time periods for features or milestones or phases that can
332 affect timely completion of the project.
333

334 **(f)** Major activities related to the location on the project.
335

(g) Non-construction activities, such as submittal and acceptance periods for shop drawings and material, procurement, testing, fabrication, mobilization, and demobilization or order dates of long lead material.

(h) Set schedule logic for out of sequence activities to retain logic. In addition, open ends shall be non-critical.

(i) Show target bars for all activities.

(j) Vertical and horizontal sight lines both major and minor shall be used as well as a separator line between groups. The Engineer will determine frequency and style.

(k) The file name, print date, revision number, data and project title and number shall be included in the title block.

(l) Have columns with the appropriate data in them for activity ID, description, original duration, remaining duration, early start, early finish, total float, percent complete, resources. The resource column shall list who is responsible for the work to be done in the activity. These columns shall be to the left of the bar chart.

(2) For Contracts Which Have A Contract Amount More Than \$2,000,000 Or Having A Contract Time Of More Than 100 Working Days Or 140 Calendar Days. For contracts which have a contract amount more than \$2,000,000 or contract time of more than 100 working days or 140 calendar days, the Contractor shall submit a Timed-Scaled Logic Diagram (TSLD) meeting the following requirements and having these essential and distinctive elements:

(a) The information and requirements listed in Subsection 108.06(A)(1) – For Contracts \$2,000,000 or Less or For Contract Time 100 Working Days or 140 Calendar Days or Less.

(b) Additional reports and graphics available from the software as requested by the Engineer.

(c) Sufficient detail to allow at least weekly monitoring of the Contractor and subcontractor's operations.

(d) The time scaled schematic shall be on a calendar or working days basis. What will be used shall be determined by how the contract keeps track of time. It will be the same. Plot the critical calendar dates anticipated.

384 (e) Breakdown of activity, such as forming, placing
385 reinforcing steel, concrete pouring and curing, and stripping
386 in concrete construction. Indicate location of work to be
387 done in such detail that it would be easily determined where
388 work would be occurring within approximately 200 feet.

389
390 (f) Latest start and finish dates for critical path activities.

391
392 (g) Identify responsible subcontractor, supplier, and
393 others for their respective activity.

394
395 (h) No individual activity shall have duration of more than
396 20 calendar days unless requested and approved by the
397 Engineer.

398
399 (i) All activities shall have work breakdown structure
400 codes and activity codes. The activity codes shall have
401 coding that incorporates information for phase, location,
402 who is responsible for doing work and type of operation and
403 activity description.

404
405 j) Incorporate all physical access and availability
406 restraints.

407
408 **(B) Inspection and Testing.** All schedules shall provide reasonable
409 time and opportunity for the Engineer to inspect and test each work
410 activity.

411
412 **(C) Engineer's Acceptance of Progress Schedule.** The submittal
413 of, and the Engineer's receipt of any progress schedule, shall not be
414 deemed an agreement to modify any terms or conditions of the contract.
415 Any modifications to the contract terms and conditions that appear in or
416 may be inferred from an acceptable schedule will not be valid or
417 enforceable unless and until the Engineer exercises discretion to issue an
418 appropriate change order. Nor shall any submittal or receipt imply the
419 Engineer's approval of the schedule's breakdown, its individual elements,
420 any critical path that may be shown, nor shall it obligate the State to make
421 its personnel available outside normal working hours or the working hours
422 established by the Contract in order to accommodate such schedule.
423 The Contractor has the risk of all elements (whether or not shown) of the
424 schedule and its execution. No claim for additional compensation, time,
425 or both, shall be made by the Contractor or recognized by the Engineer
426 for delays during any period for which an acceptable progress schedule or
427 an updated progress schedule as required by Subsection 108.06(E) –
428 Contractor's Continuing Schedule Submittal Requirements had not been
429 submitted. Any acceptance or approval of the schedule shall be for
430 general format only and shall not be deemed an agreement by the State
431 that the construction means, methods, and resources shown on the

schedule will result in work that conforms to the contract requirements or that the sequences or durations indicated are feasible.

(D) Initial Progress Schedule. The Contractor shall submit an initial progress schedule. The initial progress schedule shall consist of the following:

- (1)** Four sets of the TSLD schedule.
- (2)** All the software files and data to re-create the TSLD in a computerized software format as specified by the Engineer.
- (3)** A listing of equipment that is anticipated to be used on the project. Including the type, size, make, year of manufacture, and all information necessary to identify the equipment in the Rental Rate Blue Book for Construction Equipment.
- (4)** An anticipated manpower requirement graph plotting contract time and total manpower requirement. This may be superimposed over the payment graph.
- (5)** A Method Statement that is a detailed narrative describing the work to be done and the method by which the work shall be accomplished for each major activity. A major activity is an activity that:
 - (a)** Has a duration longer than five days.
 - (b)** Is a milestone activity.
 - (c)** Is a contract item that exceeds \$10,000 on the contract cost proposal.
 - (d)** Is a critical path activity.
 - (e)** Is an activity designated as such by the Engineer.

Each Method Statement shall include the following items needed to fulfill the schedule:

- (a)** Quantity, type, make, and model of equipment.
- (b)** The manpower to do the work, specifying worker classification.
- (c)** The production rate per eight hour day, or the working hours established by the contract documents needed to meet the time indicated on the schedule. If the production

rate is not for eight hours, the number of working hours shall be indicated.

(6) Two sets of color time-scaled project evaluation and review technique charts ("PERT") using the activity box template of Logic – Early Start or such other template designated by the Engineer.

If the contract documents establish a sequence or order for the work, the initial progress schedule shall conform to such sequence or order.

(E) Contractor's Continuing Schedule Submittal Requirements.

After the acceptance of the initial TSLD and when construction starts, the Contractor shall submit four plotted progress schedules, two PERT charts, and reports on all construction activities every two weeks (bi-weekly). This scheduled bi-weekly submittal shall also include an updated version of the project schedule in a computerized software format as specified by the Engineer. The submittal shall have all the information needed to re-create that time period's TSLD plot and reports. The bi-weekly submittal shall include, but not limited to, an update of activities based on actual durations, all new activities and any changes in duration or start or finish dates of any activity.

The Contractor shall submit with every update, in report form acceptable to the Engineer, a list of changes to the progress schedule since the previous schedule submittal. The Engineer may change the frequency of the submittal requirements but may not require a submittal of the schedule to be more than once a week. The Engineer may decrease the frequency of the submittal of the bi-weekly schedule.

The Contractor shall submit updates of the anticipated work completion graph, equipment listing, manpower requirement graph or method statement when requested by the Engineer. The Contractor shall submit such updates within 4 calendar days from the date of the request by the Engineer.

The Engineer may withhold progress payment until the Contractor is in compliance with all schedule update requirements

(F) Float. All float appearing on a schedule is a shared commodity. Float does not belong to or exist for the exclusive use or benefit of either the State or the Contractor. The State or the Contractor has the opportunity to use available float until it is depleted. Float has no monetary value.

(G) Scheduled Meetings. The Contractor shall meet on a bi-weekly basis with the Engineer to review the progress schedule. The

Contractor shall have someone attending the meeting that can answer all questions on the TSLD and other schedule related submittals.

(H) Accelerated Schedule; Early Completion. If the Contractor submits an accelerated schedule (shorter than the contract time), the Engineer's review and acceptance of an accelerated schedule does not constitute an agreement or obligation by the State to modify the contract time or completion date. The Contractor is solely responsible for and shall accept all risks and any delays, other than those that can be directly and solely attributable to the State, that may occur during the work, until the contract completion date. The contract time or completion date is established for the benefit of the State and cannot be changed without an appropriate change order or Substantial Completion granted by the State. The State may accept the work before the completion date is established, but is not obligated to do so.

If the TSLD indicates an early completion of the project, the Contractor shall, upon submittal of the schedule, cooperate with the Engineer in explaining how it will be achieved. In addition, the Contractor shall submit the above explanation in writing which shall include the State's part, if any, in achieving the early completion date. Early completion of the project shall not rely on changes to the Contract Documents unless approved by the Engineer.

(I) Contractor Responsibilities. The Contractor shall promptly respond to any inquiries from the Engineer regarding any schedule submission. The Contractor shall adjust the schedule to address directives from the Engineer and shall resubmit the TSLD package to the Engineer until the Engineer finds it acceptable.

The Contractor shall perform the work in accordance with the submitted TSLD. The Engineer may require the Contractor to provide additional work forces and equipment to bring the progress of the work into conformance with the TSLD at no increase in contract price or contract time whenever the Engineer determines that the progress of the work does not insure completion within the specified contract time.

108.07 Weekly Meeting. In addition to the bi-weekly schedule meetings, the Contractor shall be available to meet once a week with the Engineer at the time and place as determined by the Engineer to discuss the work and its progress including but not limited to, the progress of the project, potential problems, coordination of work, submittals, erosion control reports, etc. The Contractor's personnel attending shall have the authority to make decisions and answer questions.

The Contractor shall bring to weekly meetings a detailed work schedule showing the next three weeks' work. Number of copies of the detailed work schedule to be submitted will be determined by the Engineer. The three-week

575 schedule is in addition to the TSLD and shall in no way be considered as a
576 substitute for the TSLD or vice versa. The three-week schedule shall show:

577
578 (a) All construction events, traffic control and BMP related activities in
579 such detail that the Engineer will be able to determine at what location and
580 type of work will be done for any day for the next three weeks. This is
581 for the State to use to plan its manpower requirements for that time period.

582
583 (b) The duration of all events and delays.

584
585 (c) The critical path clearly marked in red or marked in a manner that
586 makes it clearly distinguishable from other paths and is acceptable to the
587 Engineer.

588
589 (d) Critical submittals and requests for information (RFI's).

590
591 (e) The project title, project number, date created, period the schedule
592 covers, Contractor's name and creator of the schedule on each page.

593
594 Two days prior to each weekly meeting, the Contractor shall
595 submit a list of outstanding submittals, RFIs and issues that require
596 discussion.

597
598 **108.08 Liquidated Damages for Failure to Complete the Work or Portions**
599 **of the Work on Time.**

600 The actual amount of damages resulting from the
601 Contractor's failure to complete the contract in a timely manner is difficult to
602 accurately determine. Therefore the amount of such damages shall be
603 liquidated damages as set forth herein and in the special provisions. The State
604 may, at its discretion, deduct the amount from monies due or that may become
605 due under the contract.

606 When the Contractor fails to reach substantial completion of the work for
607 which liquidated damages are specified, within the time or times fixed in the
608 contract or any extension thereof, in addition to all other remedies for breach
609 that may be available to the State, the Contractor shall pay liquidated damages
610 to the State, in the amount of \$1000 per working day.

611
612
613 (A) **Liquidated Damages Upon Termination.** If the State
614 terminates on account of Contractor's default, liquidated damages may be
615 charged against the defaulting Contractor and its surety until final
616 completion of work.

617
618 (B) **Liquidated Damages for Failure to Complete the Punchlist.**
619 The Contractor shall complete the work on any punchlist created after the
620 pre-final inspection, within the contract time or any extension thereof.

When the Contractor fails to complete the work on such punchlist within the contract time or any extension thereof, the Contractor shall pay liquidated damages to the State of 20 percent of the amount of liquidated damages established for failure to substantially complete the work within contract time. Liquidated damages shall not be assessed for the period between:

(1) Notice from the Contractor that the project is substantially complete and the time the punchlist is delivered to the Contractor.

(2) The date of the completion of punchlist as determined by the Engineer and the date of the successful final inspection, and

(3) The date of the Final Inspection that results in Substantial Completion and the receipt by the Contractor of the written notice of Substantial Completion.

(C) Actual Damages Recoverable If Liquidated Damages Deemed Unenforceable. In the event a court of competent jurisdiction holds that any liquidated damages assessed pursuant to this contract are unenforceable, the State will be entitled to recover its actual damages for Contractor's failure to complete the work, or any designated portion of the work within the time set by the contract.

108.09 Rental Fees for Unauthorized Lane Closure or Occupancy. In addition to all other remedies available to the State for Contractor's breach of the terms of the contract, the Engineer will assess the rental fees in the amount of \$500 for every one-to fifteen-minute increment for each roadway lane closed to public use or occupied beyond the time periods authorized in the contract or by the Engineer. The State may, at its discretion, deduct the amount from monies due or that may become due under the contract. The rental fee may be waived in whole or part if the Engineer determines that the unauthorized period of lane closure or occupancy was due to factors beyond the control of the Contractor. Equipment breakdown is not a cause to waive liquidated damages.

108.10 Suspension of Work.

(A) Suspension of Work. The Engineer may, by written order, suspend the performance of the work, either in whole or in part, for such periods as the Engineer may deem necessary, for any cause, including but not limited to:

(1) Weather or soil conditions considered unsuitable for prosecution of the work.

(2) Whenever a redesign that may affect the work is deemed necessary by the Engineer.

(3) Unacceptable noise or dust arising from the construction even if it does not violate any law or regulation.

(4) Failure on the part of the Contractor to:

(a) Correct conditions unsafe for the general public or for the workers.

(b) Carry out orders given by the Engineer.

(c) Perform the work in strict compliance with the provisions of the contract.

(d) Provide adequate supervision on the jobsite.

(5) The convenience of the State.

(B) Partial and Total Suspension. Suspension of work on some but not all items of work shall be considered a "partial suspension". Suspension of work on all items shall be considered "total suspension". The period of suspension shall be computed from the date set out in the written order for work to cease until the date of the order for work to resume.

(C) Reimbursement to Contractor. In the event that the Contractor is ordered by the Engineer in writing as provided herein to suspend all work under the contract for the reasons specified in Subsections 108.10(A)(2), 108.10(A)(3), or 108.10(A)(5) of the "Suspension of Work" paragraph, the Contractor may be reimbursed for actual direct costs incurred on work at the jobsite, as authorized in writing by the Engineer, including costs expended for the protection of the work. An allowance of 5 percent for indirect categories of delay costs will be paid on any reimbursed direct costs, including extended branch and home-office overhead and delay impact costs. No allowance will be made for anticipated profits. Payment for equipment which is ordered to standby during such suspension of work shall be made as described in Subsection 109.06(H) - Idle and Standby Equipment.

(D) Cost Adjustment. If the performance of all or part of the work is suspended for reasons beyond the control of the Contractor except an adjustment shall be made for any increase in cost of performance of this contract (excluding profit) necessarily caused by such suspension, and the contract modified in writing accordingly.

However, no adjustment to the contract price shall be made for any suspension, delay, or interruption:

(1) For weather related conditions.

(2) To the extent that performance would have been so suspended, delayed, or interrupted by any other cause, including the fault or negligence of the Contractor.

(3) Or, for which an adjustment is provided for or excluded under any other provision of this Contract.

(E) Claims for Adjustment. Any adjustment in contract price made shall be determined in accordance with Subsections 104.02 – Changes and 104.06 – Methods of Price Adjustment.

Any claims for such compensation shall be filed in writing with the Engineer within 30 days after the date of the order to resume work or the claim will not be considered. The claim shall conform to the requirements of Subsection 107.15(D) – Making of a Claim. The Engineer will take the claim under consideration, may make such investigations as are deemed necessary and will be the sole judge as to the equitability of the claim. The Engineer's decision will be final.

(F) No Adjustment. No provision of this clause shall entitle the Contractor to any adjustments for delays due to failure of its surety, the cancellation or expiration of any insurance coverage required by the contract documents, for suspensions made at the request of the Contractor, for any delay required under the contract, for suspensions, either partial or whole, made by the Engineer under Subsection 108.10(A)(4) of the "Suspension of work" paragraph.

108.11 Termination of Contract for Cause.

(A) Default. If the Contractor refuses or fails to perform the work, or any separable part thereof, with such diligence as will assure its completion within the time specified in this contract, or any extension thereof, or commits any other material breach of this contract, and further fails within seven days after receipt of written notice from the Engineer to commence and continue correction of the refusal or failure with diligence and promptness, the Engineer may, by written notice to the Contractor, declare the Contractor in breach and terminate the Contractor's right to proceed with the work or the part of the work as to which there has been delay or other breach of contract. In such event, the State may take over the work, perform the same to completion, by contract or otherwise, and may take possession of, and utilize in completing the work, the materials, appliances, and plants as may be on the site of the work and necessary therefore. Whether or not the Contractor's right to proceed with the work is terminated, the Contractor and the Contractor's sureties shall be liable for any damage to the State resulting from the Contractor's refusal or failure to complete the work within the specified time.

766 **(B) Additional Rights and Remedies.** The rights and remedies of
767 the State provided in this contract are in addition to any other rights and
768 remedies provided by law.
769

770 **(C) Costs and Charges.** All costs and charges incurred by the
771 State, together with the cost of completing the work under contract, will
772 be deducted from any monies due or which would or might have become
773 due to the Contractor had it been allowed to complete the work under the
774 contract. If such expense exceeds the sum which would have been
775 payable under the contract, then the Contractor and the surety shall be
776 liable and shall pay the State the amount of the excess.
777

778 In case of termination, the Engineer will limit any payment to the
779 Contractor to the part of the contract satisfactorily completed at the time of
780 termination. Payment will not be made until the work has satisfactorily
781 been completed and all required documents, including the tax clearance
782 required by Subsection 109.11 – Final Payment are submitted by the
783 Contractor. Termination shall not relieve the Contractor or Surety from
784 liability for liquidated damages.
785

786 **(D) Erroneous Termination for Cause.** If, after notice of
787 termination of the Contractor's right to proceed under this section, it is
788 determined for any reason that good cause did not exist to allow the State
789 to terminate as provided herein, the rights and obligations of the parties
790 shall be the same as, and the relief afforded the Contractor shall be
791 limited to, the provisions contained in Subsection 108.12 – Termination
792 for Convenience.
793

794 **108.12 Termination For Convenience.**

795
796 **(A) Terminations.** The Director may, when the interests of the State
797 so require, terminate this contract in whole or in part, for the convenience
798 of the State. The Director will give written notice of the termination to
799 the Contractor specifying the part of the contract terminated and when
800 termination becomes effective.
801

802 **(B) Contractor's Obligations.** The Contractor shall incur no further
803 obligations in connection with the terminated work and on the date set in
804 the notice of termination the Contractor shall stop work to the extent
805 specified. The Contractor shall also terminate outstanding orders and
806 subcontracts as they relate to the terminated work. The Contractor shall
807 settle the liabilities and claims arising out of the termination of
808 subcontracts and orders connected with the terminated work subject to the
809 State's approval. The Engineer may direct the Contractor to assign the
810 Contractor's right, title, and interest under terminated orders or
811 subcontracts to the State. The Contractor must still complete the work
812 not terminated by the notice of termination and may incur obligations as
813 necessary to do so.

814
815 **(C) Right to Construction and Goods.** The Engineer may require
816 the Contractor to transfer title and to deliver to the State in the manner and
817 to the extent directed by the Engineer, the following:

818
819 (1) Any completed work.

820
821 (2) Any partially completed construction, goods, materials,
822 parts, tools, dies, jigs, fixtures, drawings, information, and
823 contract rights (hereinafter called "construction material") that the
824 Contractor has specifically produced or specially acquired for the
825 performance of the terminated part of this contract.

826
827 (3) The Contractor shall protect and preserve all property in the
828 possession of the Contractor in which the State has an interest. If
829 the Engineer does not elect to retain any such property, the
830 Contractor shall use its best efforts to sell such property and
831 construction materials for the State's account in accordance with
832 the standards of HRS Chapter 490:2-706.

833
834 **(D) Compensation.**

835
836 (1) The Contractor shall submit a termination claim specifying
837 the amounts due because of the termination for convenience
838 together with cost or pricing data, submitted to the extent required
839 by HAR Subchapter 15, Chapter 3-122. If the Contractor fails to
840 file a termination claim within one year from the effective date of
841 termination, the Engineer may pay the Contractor, if at all, an
842 amount set in accordance with Subsection 108.12(D)(3).

843
844 (2) The Engineer and the Contractor may agree to a settlement
845 provided the Contractor has filed a termination claim supported by
846 cost or pricing data submitted as required and that the settlement
847 does not exceed the total contract price plus settlement costs
848 reduced by payments previously made by the State, the proceeds
849 of any sales of construction, supplies, and construction materials
850 under Subsection 108.12(C)(3), and the proportionate contract
851 price of the work not terminated.

852
853 (3) Absent complete agreement, the Engineer will pay the
854 Contractor the following amounts less any payments previously
855 made under the contract:

856
857 (a) The cost of all contract work performed prior to the
858 effective date of the notice of termination work plus a 5
859 percent markup on the actual direct costs, including
860 amounts paid to subcontractor, less amounts paid or to be
861 paid for completed portions of such work; provided,

however, that if it appears that the Contractor would have sustained a loss if the entire contract would have been completed, no markup shall be allowed or included and the amount of compensation shall be reduced to reflect the anticipated rate of loss. No anticipated profit or consequential damage will be due or paid.

(b) Subcontractors shall be paid a markup of 10 percent on their direct job costs incurred to the date of termination. No anticipated profit or consequential damage will be due or paid to any subcontractor. These costs must not include payments made to the Contractor for subcontract work during the contract period.

(c) The total sum to be paid the Contractor shall not exceed the total contract price reduced by the amount of any sales of construction supplies, and construction materials.

(4) Cost claimed, agreed to, or established by the State shall be in accordance with HAR Chapter 3-123.

108.13 Pre-Final and Final Inspections.

(A) **Inspection Requirements.** Before the Engineer undertakes a final inspection of any work, a pre-final inspection must first be conducted. The Contractor shall notify the Engineer that the work has reached substantial completion and is ready for pre-final inspection.

(B) **Pre-Final Inspection.** Before notifying the Engineer that the work has reached substantial completion, the Contractor shall inspect the project and test all installed items with all of its subcontractors as appropriate. The Contractor shall also submit the following documents as applicable to the work:

- (1) All written guarantees required by the contract.
- (2) Two accepted final field-posted drawings as specified in Section 648 – Field-Posted Drawings;
- (3) Complete weekly certified payroll records for the Contractor and Subcontractors.
- (4) Certificate of Plumbing and Electrical Inspection.
- (5) Certificate of building occupancy as required.
- (6) Certificate of Soil and Wood Treatments.

(7) Certificate of Water System Chlorination.

(8) Certificate of Elevator Inspection, Boiler and Pressure Pipe Inspection.

(9) Maintenance Service Contract and two copies of a list of all equipment installed.

(10) Current Tax clearance. The contractor will be required to submit an additional tax clearance certificate when the final payment is made.

(11) And any other final items and submittals required by the contract documents.

(C) Procedure. When in compliance with the above requirements, the Contractor shall notify the Engineer in writing that the project has reached substantial completion and is ready for pre-final inspection.

The Engineer will then make a preliminary determination as to whether or not the project is substantially complete and ready for pre-final inspection. The Engineer may, in writing, postpone until after the pre-final inspection the Contractor's submittal of any of the items listed in Subsection 108.13(B) – Pre-Final Inspection, herein, if in the Engineer's discretion it is in the interest of the State to do so.

If, in the opinion of the Engineer, the project is not substantially complete, the Engineer will provide the Contractor a punchlist of specific deficiencies in writing which must be corrected or finished before the work will be ready for a pre-final inspection. The Engineer may add to or otherwise modify this punchlist from time to time. The Contractor shall take immediate action to correct the deficiencies and must repeat all steps described above including written notification that the work is ready for pre-final inspection.

After the Engineer is satisfied that the project appears substantially complete a final inspection shall be scheduled within ten working days after receipt of the Contractor's latest letter of notification that the project is ready for final inspection.

If, as a result of the pre-final inspection, the Engineer determines the work is not substantially complete, the Engineer will inform the Contractor in writing as to specific deficiencies which must be corrected before the work will be ready for another pre-final inspection. If the Engineer finds the work is substantially complete but finds deficiencies that must be corrected before the work is ready for final inspection, the Engineer will prepare in writing and deliver to the Contractor a punchlist describing such deficiencies.

At any time before final acceptance, the Engineer may revoke the determination of substantial completion if the Engineer finds that it was not warranted and will notify the Contractor in writing the reasons therefore together with a description of the deficiencies negating the declaration.

When the date of substantial completion has been determined by the State, liquidated damages for the failure to complete the punchlist, if due to the State will be assessed in pursuant to Subsection 108.08(B) - Liquidated Damages for Failure to Complete the Punchlist.

(D) Punchlist; Clean Up and Final Inspection. Upon receiving a punchlist after pre-final inspection, the Contractor shall promptly devote all required time, labor, equipment, materials and incidentals to correct and remedy all punchlist deficiencies. The Engineer may add to or otherwise modify this punchlist until substantial completion of the project.

Before final inspection of the work, the Contractor shall clean all ground occupied by the Contractor in connection with the work of all rubbish, excess materials, temporary structures and equipment, shall remove all graffiti and defacement of the work and all parts of the work and the worksite must be left in a neat and presentable condition to the satisfaction of the Engineer.

Final inspection will occur within ten working days after the Contractor notifies the Engineer in writing that all punchlist deficiencies remaining after the pre-final inspection have been completed and the Engineer concurs. If the Engineer determines that deficiencies still remain at the final inspection, the work will not be accepted and the Engineer will notify the Contractor, in writing, of the deficiencies which shall be corrected and the steps above repeated.

If the Contractor fails to correct the deficiencies and complete the work by the established or agreed date, the State may correct the deficiencies by whatever method it deems appropriate and deduct the cost from any payments due the Contractor.

108.14 Substantial Completion and Final Acceptance.

(A) Substantial Completion. When the Engineer finds that the Contractor has satisfactorily completed all work for the project in compliance with the contract, with the exception of the planting period and the plant establishment period, the Engineer will notify the Contractor, in writing, of the project's substantial completion, effective as of the date of the final inspection. The substantial completion date shall determine end of contract time and relieve contractor of any additional accumulation of liquidated damages for failure to complete the punchlist.

(B) Final Acceptance. When the Engineer finds that the Contractor has satisfactorily completed all contract work in compliance with the contract including all plant establishment requirements, and all the materials have been accepted by the State, the Engineer will issue a Final Acceptance Letter. The Final Acceptance date shall determine the commencement of all guaranty periods subject to Subsection 108.16 – Contractor’s Responsibility for Work; Risk of Loss or Damage.

108.15 Use of Structure or Improvement. The State has the right to use the structure, equipment, improvement, or any part thereof, at any time after it is considered by the Engineer as available. In the event that the structure, equipment or any part thereof is used by the State before final acceptance, the Contractor is not relieved of its responsibility to protect and preserve all the work until final acceptance.

108.16 Contractor’s Responsibility for Work; Risk of Loss or Damage. Until the written notice of final acceptance has been received, the Contractor shall take every precaution against loss or damage to any part of the work by the action of the elements or from any other cause whatsoever, whether arising from the performance or from the non-performance of the work. The Contractor shall rebuild, repair, restore and make good all loss or damage to any portion of the work resulting from any cause before its receipt of the written notice of final acceptance and shall bear the risk and expense thereof.

The risk of loss or damage to the work from any hazard or occurrence that may or may not be covered by a builder’s risk policy is that of the Contractor and Surety, unless such risk of loss is placed elsewhere by express language in the contract documents.

108.17 Guarantee of Work.

(1) Regardless of, and in addition to, any manufacturers’ warranties, all work and equipment shall be guaranteed by the Contractor against defects in materials, equipment or workmanship for one year from the date of final acceptance or as otherwise specified in the contract documents.

(2) When the Engineer determines that repairs or replacements of any guaranteed work and equipment is necessary due to materials, equipment, or workmanship which are inferior, defective, or not in accordance with the terms of the contract, the Contractor shall, at no increase in contract price or contract time, and within five working days of receipt of written notice from the State, commence to all of the following:

(a) Correct all noted defects and make replacements, as directed by the Engineer, in the equipment and work.

1053 (b) Repair or replace to new or pre-existing condition any
1054 damages resulting from such defective materials, equipment or
1055 installation thereof.

1056
1057 (3) The State will be entitled to the benefit of all manufacturers and
1058 installers warranties that extend beyond the terms of the Contractor's
1059 guaranty regardless of whether or not such extended warranty is required
1060 by the contract documents. The Contractor shall prepare and submit all
1061 documents required by the providers of such warranties to make them
1062 effective, and submit copies of such documents to the Engineer. If an
1063 available extended warranty cannot be transferred or assigned to the
1064 State as the ultimate user, the Contractor shall notify the Engineer who
1065 may direct that the warranted items be acquired in the name of the State
1066 as purchaser.

1067
1068 (4) If a defect is discovered during a guarantee period, all repairs and
1069 corrections to the defective items when corrected shall be guaranteed for
1070 a new duration equal to the original full guarantee period. The running
1071 of the guarantee period shall be suspended for all other work affected by
1072 any defect. The guarantee period for all other work affected by any such
1073 defect shall restart for its remaining duration upon confirmation by the
1074 Engineer that the deficiencies have been repaired or remedied.

1075
1076 (5) Nothing in this section is intended to limit or affect the State's rights
1077 and remedies arising from the discovery of latent defects in the work after
1078 the expiration of any guarantee period.

1079
1080 **108.18 No Waiver of Legal Rights.** The following will not operate or be
1081 considered as a waiver of any portion of the contract, or any power herein
1082 reserved, or any right to damages provided herein or by law:

1083
1084 (1) Any payment for, or acceptance of, the whole or any part of the
1085 work.

1086
1087 (2) Any extension of time.

1088
1089 (3) Any possession taken by the Engineer.

1090
1091 A waiver of any notice requirement or of any noncompliance with the
1092 contract will not be held to be a waiver of any other notice requirement or any
1093 other noncompliance with the contract.

1094
1095 **108.19 Final Settlement of Contract.**

1096
1097 (A) **Closing Requirements.** The contract will be considered settled
1098 after the project acceptance date and when the following items have been
1099 satisfactorily submitted, where applicable:

- 1101 (1) All written guarantees required by the contract.
1102
1103 (2) Complete and certified weekly payrolls for the Contractor
1104 and its subcontractor's.
1105
1106 (3) Certificate of plumbing and electrical inspection.
1107
1108 (4) Certificate of building occupancy.
1109
1110 (5) Certificate for soil treatment and wood treatment.
1111
1112 (6) Certificate of water system chlorination.
1113
1114 (7) Certificate of elevator inspection, boiler and pressure pipe
1115 installation.
1116
1117 (8) Tax clearance.
1118
1119 (9) All other documents required by the Contract or by law.
1120

1121 **(B) Failure to Meet Closing Requirements.** The Contractor shall
1122 meet the applicable closing requirements within 60 days from the date of
1123 Project Acceptance or the agreed to Punchlist complete date. Should
1124 the Contractor fail to comply with these requirements, the Engineer may
1125 terminate the contract for cause.”
1126
1127
1128

1129 **END OF SECTION 108**
1130