

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.

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

- (1) List of the Superintendent and other Supervisory Personnel, and their contact information.
- (2) Name of person(s) authorized to sign for the Contractor.
- (3) Work Schedule including hours of operation.
- (4) Initial Progress Schedule (See Subsection 108.06 – Progress Schedule).
- (5) Water Pollution and Siltation Control Submittals, including Site-Specific Best Management Practice Plan.
- (6) Solid Waste Disposal form.
- (7) Tax Rates.
- (8) Insurance Rates.
- (9) Certificate of Insurance, satisfactory to the Engineer, indicating that the Contractor has in place all insurance coverage required by the contract documents.
- (10) Schedule of agreed prices.
- (11) List of suppliers.
- (12) Traffic Control Plan, if applicable.

**108.04 Character and Proficiency of Workers.** The Contractor shall at all times provide adequate supervision and sufficient labor and equipment for prosecuting the work to full completion in the manner and within the time required by the contract. The superintendent and all other representatives of the Contractor shall act in a civil and honest manner in all dealings with the Engineer, all other State officials and representatives, and the public, in connection with 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) - Delays Beyond Contractor's Control and 108.05(B)(4) - Delays in Delivery of Materials or Equipment.

**(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.

**108.06 Progress Schedules.**

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

Schedule submittals shall be as follows:

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

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

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

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

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

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

- 334
- 335 (f) Major activities related to the location on the project.
- 336
- 337 (g) Non-construction activities, such as submittal and
- 338 acceptance periods for shop drawings and material,
- 339 procurement, testing, fabrication, mobilization, and
- 340 demobilization or order dates of long lead material.
- 341
- 342 (h) Set schedule logic for out of sequence activities to
- 343 retain logic. In addition, open ends shall be non-critical.
- 344
- 345 (i) Show target bars for all activities.
- 346
- 347 (j) Vertical and horizontal sight lines both major and
- 348 minor shall be used as well as a separator line between
- 349 groups. The Engineer will determine frequency and style.
- 350
- 351 (k) The file name, print date, revision number, data and
- 352 project title and number shall be included in the title block.
- 353
- 354 (l) Have columns with the appropriate data in them for
- 355 activity ID, description, original duration, remaining duration,
- 356 early start, early finish, total float, percent complete,
- 357 resources. The resource column shall list who is
- 358 responsible for the work to be done in the activity. These
- 359 columns shall be to the left of the bar chart.
- 360

361 **(2) For Contracts Which Have A Contract Amount More**

362 **Than \$2,000,000 Or Having A Contract Time Of More Than 100**

363 **Working Days Or 140 Calendar Days.** For contracts which

364 have a contract amount more than \$2,000,000 or contract time of

365 more than 100 working days or 140 calendar days, the Contractor

366 shall submit a Timed-Scaled Logic Diagram (TSLD) meeting the

367 following requirements and having these essential and distinctive

368 elements:

369

- 370 (a) The information and requirements listed in Subsection
- 371 108.06(A)(1) – For Contracts \$2,000 or Less or For Contract
- 372 Time 100 Working Days or 140 Calendar Days or Less.
- 373
- 374 (b) Additional reports and graphics available from the
- 375 software as requested by the Engineer.
- 376
- 377 (c) Sufficient detail to allow at least weekly monitoring of
- 378 the Contractor and subcontractor's operations.
- 379
- 380 (d) The time scaled schematic shall be on a calendar or
- 381 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.

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

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

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

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

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

j) Incorporate all physical access and availability restraints.

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

**(C) Engineer's Acceptance of Progress Schedule.** The submittal of, and the Engineer's receipt of any progress schedule, shall not be deemed an agreement to modify any terms or conditions of the contract. Any modifications to the contract terms and conditions that appear in or may be inferred from an acceptable schedule will not be valid or enforceable unless and until the Engineer exercises discretion to issue an appropriate change order. Nor shall any submittal or receipt imply the Engineer's approval of the schedule's breakdown, its individual elements, any critical path that may be shown, nor shall it obligate the State to make its personnel available outside normal working hours or the working hours established by the Contract in order to accommodate such schedule. The Contractor has the risk of all elements (whether or not shown) of the schedule and its execution. No claim for additional compensation, time, or both, shall be made by the Contractor or recognized by the Engineer for delays during any period for which an acceptable progress schedule or an updated progress schedule as required by Subsection 108.06(E) – Contractor's Continuing Schedule Submittal Requirements had not been

submitted. Any acceptance or approval of the schedule shall be for general format only and shall not be deemed an agreement by the State 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)** Five 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.

478 (c) The production rate per eight hour day, or the working  
479 hours established by the contract documents needed to  
480 meet the time indicated on the schedule. If the production  
481 rate is not for eight hours, the number of working hours shall  
482 be indicated.

483  
484 (6) Two sets of color time-scaled project evaluation and review  
485 technique charts ("PERT") using the activity box template of Logic –  
486 Early Start or such other template designated by the Engineer.  
487

488 If the contract documents establish a sequence or order for the  
489 work, the initial progress schedule shall conform to such sequence or  
490 order.  
491

492 **(E) Contractor's Continuing Schedule Submittal Requirements.**  
493 After the acceptance of the initial TSLD and when construction starts, the  
494 Contractor shall submit five plotted progress schedules, two PERT charts,  
495 and reports on all construction activities every two weeks (bi-weekly).  
496 This scheduled bi-weekly submittal shall also include an updated version  
497 of the project schedule in a computerized software format as specified by  
498 the Engineer. The submittal shall have all the information needed to re-  
499 create that time period's TSLD plot and reports. The bi-weekly submittal  
500 shall include, but not limited to, an update of activities based on actual  
501 durations, all new activities and any changes in duration or start or finish  
502 dates of any activity.  
503

504 The Contractor shall submit with every update, in report form  
505 acceptable to the Engineer, a list of changes to the progress schedule  
506 since the previous schedule submittal. The Engineer may change the  
507 frequency of the submittal requirements but may not require a submittal of  
508 the schedule to be more than once a week. The Engineer may  
509 decrease the frequency of the submittal of the bi-weekly schedule.  
510

511 The Contractor shall submit updates of the anticipated work  
512 completion graph, equipment listing, manpower requirement graph or  
513 method statement when requested by the Engineer. The Contractor  
514 shall submit such updates within 4 calendar days from the date of the  
515 request by the Engineer.  
516

517 The Engineer may withhold progress payment until the Contractor  
518 is in compliance with all schedule update requirements  
519

520 **(F) Float.** All float appearing on a schedule is a shared commodity.  
521 Float does not belong to or exist for the exclusive use or benefit of either  
522 the State or the Contractor. The State or the Contractor has the  
523 opportunity to use available float until it is depleted. Float has no  
524 monetary value.  
525

526 **(G) Scheduled Meetings.** The Contractor shall meet on a bi-weekly  
527 basis with the Engineer to review the progress schedule. The  
528 Contractor shall have someone attending the meeting that can answer all  
529 questions on the TSLD and other schedule related submittals.  
530

531 **(H) Accelerated Schedule; Early Completion.** If the Contractor  
532 submits an accelerated schedule (shorter than the contract time), the  
533 Engineer's review and acceptance of an accelerated schedule does not  
534 constitute an agreement or obligation by the State to modify the contract  
535 time or completion date. The Contractor is solely responsible for and  
536 shall accept all risks and any delays, other than those that can be directly  
537 and solely attributable to the State, that may occur during the work, until  
538 the contract completion date. The contract time or completion date is  
539 established for the benefit of the State and cannot be changed without an  
540 appropriate change order or Substantial Completion granted by the State.  
541 The State may accept the work before the completion date is established,  
542 but is not obligated to do so.  
543

544 If the TSLD indicates an early completion of the project, the  
545 Contractor shall, upon submittal of the schedule, cooperate with the  
546 Engineer in explaining how it will be achieved. In addition, the  
547 Contractor shall submit the above explanation in writing which shall  
548 include the State's part, if any, in achieving the early completion date.  
549 Early completion of the project shall not rely on changes to the Contract  
550 Documents unless approved by the Engineer.  
551

552 **(I) Contractor Responsibilities.** The Contractor shall promptly  
553 respond to any inquiries from the Engineer regarding any schedule  
554 submission. The Contractor shall adjust the schedule to address  
555 directives from the Engineer and shall resubmit the TSLD package to the  
556 Engineer until the Engineer finds it acceptable.  
557

558 The Contractor shall perform the work in accordance with the  
559 submitted TSLD. The Engineer may require the Contractor to provide  
560 additional work forces and equipment to bring the progress of the work  
561 into conformance with the TSLD at no increase in contract price or  
562 contract time whenever the Engineer determines that the progress of the  
563 work does not insure completion within the specified contract time.  
564

565 **108.07 Weekly Meeting.** In addition to the bi-weekly schedule meetings,  
566 the Contractor shall be available to meet once a week with the Engineer at the  
567 time and place as determined by the Engineer to discuss the work and its  
568 progress including but not limited to, the progress of the project, potential  
569 problems, coordination of work, submittals, erosion control reports, etc. The  
570 Contractor's personnel attending shall have the authority to make decisions and  
571 answer questions.  
572

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

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

(b) The duration of all events and delays.

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

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

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

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

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

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

When the Contractor fails to reach substantial completion of the work for which liquidated damages are specified, within the time or times fixed in the contract or any extension thereof, in addition to all other remedies for breach that may be available to the State, the Contractor shall pay liquidated damages to the State, in the amount of \$ 8,000 per working day.

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

**(B) Liquidated Damages for Failure to Complete the Punchlist.** The Contractor shall complete the work on any punchlist created after the 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 or portion thereof, for each location, for each roadway lane closed to public use or encroached upon or occupied beyond the time periods authorized in the contract or by the Engineer. The maximum amount assessed per day shall be \$5,000. 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 lane rental to be assessed.

**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.

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

671  
672 (3) Unacceptable noise or dust arising from the construction  
673 even if it does not violate any law or regulation.

674  
675 (4) Failure on the part of the Contractor to:

676  
677 (a) Correct conditions unsafe for the general public or for  
678 the workers.

679  
680 (b) Carry out orders given by the Engineer.

681  
682 (c) Perform the work in strict compliance with the  
683 provisions of the contract.

684  
685 (d) Provide adequate supervision on the jobsite.

686  
687 (5) The convenience of the State.

688  
689 **(B) Partial and Total Suspension.** Suspension of work on some but  
690 not all items of work shall be considered a "partial suspension".  
691 Suspension of work on all items shall be considered "total suspension".  
692 The period of suspension shall be computed from the date set out in the  
693 written order for work to cease until the date of the order for work to  
694 resume.

695  
696 **(C) Reimbursement to Contractor.** In the event that the Contractor  
697 is ordered by the Engineer in writing as provided herein to suspend all  
698 work under the contract for the reasons specified in Subsections  
699 108.10(A)(2), 108.10(A)(3), or 108.10(A)(5) of the "Suspension of Work"  
700 paragraph, the Contractor may be reimbursed for actual direct costs  
701 incurred on work at the jobsite, as authorized in writing by the Engineer,  
702 including costs expended for the protection of the work. An allowance of 5  
703 percent for indirect categories of delay costs will be paid on any  
704 reimbursed direct costs, including extended branch and home-office  
705 overhead and delay impact costs. No allowance will be made for  
706 anticipated profits. Payment for equipment which is ordered to standby  
707 during such suspension of work shall be made as described in Subsection  
708 109.06(H) - Idle and Standby Equipment.

709  
710 **(D) Cost Adjustment.** If the performance of all or part of the work is  
711 suspended for reasons beyond the control of the Contractor except an  
712 adjustment shall be made for any increase in cost of performance of this  
713 contract (excluding profit) necessarily caused by such suspension, and  
714 the contract modified in writing accordingly.

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

718  
719 (1) For weather related conditions.

720  
721 (2) To the extent that performance would have been so  
722 suspended, delayed, or interrupted by any other cause, including  
723 the fault or negligence of the Contractor.

724  
725 (3) Or, for which an adjustment is provided for or excluded  
726 under any other provision of this Contract.

727  
728 **(E) Claims for Adjustment.** Any adjustment in contract price made  
729 shall be determined in accordance with Subsections 104.02 – Changes  
730 and 104.06 – Methods of Price Adjustment.

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

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740 **(F) No Adjustment.** No provision of this clause shall entitle the  
741 Contractor to any adjustments for delays due to failure of its surety, the  
742 cancellation or expiration of any insurance coverage required by the  
743 contract documents, for suspensions made at the request of the  
744 Contractor, for any delay required under the contract, for suspensions,  
745 either partial or whole, made by the Engineer under Subsection  
746 108.10(A)(4) of the "Suspension of work" paragraph.

747  
748 **108.11 Termination of Contract for Cause.**

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750 **(A) Default.** If the Contractor refuses or fails to perform the work, or  
751 any separable part thereof, with such diligence as will assure its  
752 completion within the time specified in this contract, or any extension  
753 thereof, or commits any other material breach of this contract, and further  
754 fails within seven days after receipt of written notice from the Engineer to  
755 commence and continue correction of the refusal or failure with diligence  
756 and promptness, the Engineer may, by written notice to the Contractor,  
757 declare the Contractor in breach and terminate the Contractor's right to  
758 proceed with the work or the part of the work as to which there has been  
759 delay or other breach of contract. In such event, the State may take  
760 over the work, perform the same to completion, by contract or otherwise,  
761 and may take possession of, and utilize in completing the work, the  
762 materials, appliances, and plants as may be on the site of the work and  
763 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.

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

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

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

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

#### **108.12 Termination For Convenience.**

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

**(B) Contractor's Obligations.** The Contractor shall incur no further obligations in connection with the terminated work and on the date set in the notice of termination the Contractor shall stop work to the extent specified. The Contractor shall also terminate outstanding orders and subcontracts as they relate to the terminated work. The Contractor shall settle the liabilities and claims arising out of the termination of subcontracts and orders connected with the terminated work subject to the State's approval. The Engineer may direct the Contractor to assign the Contractor's right, title, and interest under terminated orders or

subcontracts to the State. The Contractor must still complete the work not terminated by the notice of termination and may incur obligations as necessary to do so.

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

**(1)** Any completed work.

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

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

**(D) Compensation.**

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

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

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

**(a)** The cost of all contract work performed prior to the effective date of the notice of termination work plus a 5

percent markup on the actual direct costs, including amounts paid to subcontractor, less amounts paid or to be 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.

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- (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) All required material submittals, e.g., samples, test results certifications, catalog cuts. No pre-final inspection will be held until all required material submittals have been submitted, reviewed and accepted by the Engineer and MTRB.
  - (12) And any other final items and submittals required by the contract documents.

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**(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.

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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.

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The submittal of all required material submittals and their acceptance will not be waived and shall be complete before a request for a pre-final inspection is tendered.

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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.

955 After the Engineer is satisfied that the project appears substantially  
956 complete a final inspection shall be scheduled within ten working days  
957 after receipt of the Contractor's latest letter of notification that the project is  
958 ready for final inspection.  
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960 If, as a result of the pre-final inspection, the Engineer determines  
961 the work is not substantially complete, the Engineer will inform the  
962 Contractor in writing as to specific deficiencies which must be corrected  
963 before the work will be ready for another pre-final inspection. If the  
964 Engineer finds the work is substantially complete but finds deficiencies  
965 that must be corrected before the work is ready for final inspection, the  
966 Engineer will prepare in writing and deliver to the Contractor a punchlist  
967 describing such deficiencies.  
968

969 At any time before final acceptance, the Engineer may revoke the  
970 determination of substantial completion if the Engineer finds that it was not  
971 warranted and will notify the Contractor in writing the reasons therefore  
972 together with a description of the deficiencies negating the declaration.  
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974 When the date of substantial completion has been determined by  
975 the State, liquidated damages for the failure to complete the punchlist, if  
976 due to the State will be assessed in pursuant to Subsection 108.08(B) -  
977 Liquidated Damages for Failure to Complete the Punchlist.  
978

979 **(D) Punchlist; Clean Up and Final Inspection.** Upon receiving a  
980 punchlist after pre-final inspection, the Contractor shall promptly devote all  
981 required time, labor, equipment, materials and incidentals to correct and  
982 remedy all punchlist deficiencies. The Engineer may add to or otherwise  
983 modify this punchlist until substantial completion of the project.  
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985 Before final inspection of the work, the Contractor shall clean all  
986 ground occupied by the Contractor in connection with the work of all  
987 rubbish, excess materials, temporary structures and equipment, shall  
988 remove all graffiti and defacement of the work and all parts of the work  
989 and the worksite must be left in a neat and presentable condition to the  
990 satisfaction of the Engineer.  
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992 Final inspection will occur within ten working days after the  
993 Contractor notifies the Engineer in writing that all punchlist deficiencies  
994 remaining after the pre-final inspection have been completed and the  
995 Engineer concurs. If the Engineer determines that deficiencies still  
996 remain at the final inspection, the work will not be accepted and the  
997 Engineer will notify the Contractor, in writing, of the deficiencies which  
998 shall be corrected and the steps above repeated.  
999

1000 If the Contractor fails to correct the deficiencies and complete the  
1001 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.

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

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

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

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

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

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

(2) Any extension of time.

- 1098  
1099           (3) Any possession taken by the Engineer.  
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1101           A waiver of any notice requirement or of any noncompliance with the  
1102 contract will not be held to be a waiver of any other notice requirement or any  
1103 other noncompliance with the contract.  
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1105 **108.19 Final Settlement of Contract.**  
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1107           **(A) Closing Requirements.** The contract will be considered settled  
1108 after the project acceptance date and when the following items have been  
1109 satisfactorily submitted, where applicable:  
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- 1111                   (1) All written guarantees required by the contract.  
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1113                   (2) Complete and certified weekly payrolls for the Contractor  
1114 and its subcontractor's.  
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1116                   (3) Certificate of plumbing and electrical inspection.  
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1118                   (4) Certificate of building occupancy.  
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1120                   (5) Certificate for soil treatment and wood treatment.  
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1122                   (6) Certificate of water system chlorination.  
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1124                   (7) Certificate of elevator inspection, boiler and pressure pipe  
1125 installation.  
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1127                   (8) Tax clearance.  
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1129                   (9) All other documents required by the Contract or by law.  
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1131           **(B) Failure to Meet Closing Requirements.** The Contractor shall  
1132 meet the applicable closing requirements within 60 days from the date of  
1133 Project Acceptance or the agreed to Punchlist complete date. Should  
1134 the Contractor fail to comply with these requirements, the Engineer may  
1135 terminate the contract for cause."  
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**END OF SECTION 108**