

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.

7
8 The Contractor shall be allowed up to 14 calendar days after the Engineer
9 accepts the Site-Specific Best Management Practice Plan to begin physical work.
10 The Start Work Date will be established within this 14 calendar day period.
11 Charging of Contract Time will begin on the Start Work Date. The Contractor
12 shall notify the Engineer, in writing, at least five working days before beginning
13 physical work.

14
15 In the event that the Contractor fails to start physical work within the time
16 specified, the Engineer may terminate the contract in accordance with
17 Subsection 108.11 – Termination of Contract for Cause.

18
19 During the period between the issuance of a work order and the Start
20 Work Date the Contractor should adjust work forces, equipment, schedules, and
21 procure materials and required permits, prior to beginning physical work.

22
23 Any physical work done prior to the Start Work Date will be considered
24 unauthorized work. If the Engineer does not direct that the unauthorized work be
25 removed, it shall be paid for after the Start Work Date and only if it is acceptable.

26
27 The Contractor shall notify the Engineer at least 24 hours before restarting
28 physical work after a suspension of work pursuant to Subsection 108.10 –
29 Suspension of Work.

30
31 Once physical work has begun, the Contractor shall work expeditiously
32 and pursue the work diligently to completion with the contract time. If a portion of
33 the work is to be done in stages, the Contractor shall leave the area safe and
34 usable for the user agency and the public at the end of each stage.

35
36 **108.02 Prosecution of Work.** Unless otherwise permitted by the Engineer,
37 in writing, the Contractor shall not commence with physical construction unless
38 sufficient materials and equipment are available for either continuous
39 construction or completion of a specified portion of the work.

40
41 **108.03 Preconstruction Submittals.** The awardee shall submit to the
42 Engineer for information and review the pre-construction submittals within 30
43 calendar days from notice to proceed. Until the items listed below are received
44 and found acceptable by the Engineer, the Contractor shall not start physical
45 work unless otherwise authorized to do so in writing and subject to such
46 conditions set by the Engineer. Charging of Contract Time will not be delayed,
47 and additional contract time will not be granted due to Contractor delay in
48 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.

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

The Engineer may direct the removal of any worker(s) who does not carry out the assigned work in a proper and skillful manner or who is disrespectful, intemperate, violent, or disorderly. The worker shall be removed forthwith by

the Contractor and will not work again without the written permission of the Engineer.

108.05 Contract Time.

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

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

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

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

191
192 **(4) Delays in Delivery of Materials or Equipment.** For
193 delays in delivery of materials or equipment, which occur as a
194 result of unforeseeable causes beyond the control and without fault
195 of the Contractor, its subcontractor(s) or supplier(s), time
196 extensions shall be the exclusive relief granted and no additional
197 compensation will be paid the Contractor on account of such delay.
198 The delay shall not exceed the difference between the originally
199 scheduled delivery date and the actual delivery date. The
200 Contractor may be granted an extension of time provided that it
201 complies with the following procedures:
202

203 **(a)** The Contractor's written notice to the Engineer must
204 describe the delays and state the effect such delays may
205 have on the critical path.
206

207 **(b)** The Contractor, if requested, must submit to the
208 Engineer within five days after a firm delivery date for the
209 material and equipment is established, a written statement
210 regarding the delay. The Contractor must justify the delay
211 as follows:
212

213 1. State specifically all reasons for the delay.
214 Explain in a detailed chronology the effect of the delay
215 on the critical path.
216

217 2. Submit copies of purchase order(s), factory
218 invoice(s), bill(s) of lading, shipping manifest(s),
219 delivery tag(s), and any other documents to support
220 the time extension request.
221

222 3. Cite the start and end date of the delay and the
223 time extension requested.
224

225 **(5) Delays for Suspension of Work.** When the performance
226 of the work is totally suspended for one or more days (calendar or
227 working days, as appropriate) by order of the Engineer in
228 accordance with Subsections 108.10(A)(1), 108.10(A)(2), or
229 108.10(A)(5) the number of days from the effective date of the
230 Engineer's order to suspend operations to the effective date of the
231 Engineer's order to resume operations shall not be counted as
232 contract time and the contract completion date will be adjusted.
233 During periods of partial suspensions of the work, the Contractor
234 will be granted a time extension only if the partial suspension
235 affects the critical path. If the Contractor believes that an
236 extension of time is justified for a partial suspension of work, it
237 must request the extension in writing at least five working days
238 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.

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.

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

(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.

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

335
336 (i) Show target bars for all activities.

337
338 (j) Vertical and horizontal sight lines both major and
339 minor shall be used as well as a separator line between
340 groups. The Engineer will determine frequency and style.

341
342 (k) The file name, print date, revision number, data and
343 project title and number shall be included in the title block.

344
345 (l) Have columns with the appropriate data in them for
346 activity ID, description, original duration, remaining duration,
347 early start, early finish, total float, percent complete,
348 resources. The resource column shall list who is
349 responsible for the work to be done in the activity. These
350 columns shall be to the left of the bar chart.

351
352 **(2) For Contracts Which Have A Contract Amount More**
353 **Than \$2,000,000 Or Having A Contract Time Of More Than 100**
354 **Working Days Or 140 Calendar Days.** For contracts which
355 have a contract amount more than \$2,000,000 or contract time of
356 more than 100 working days or 140 calendar days, the Contractor
357 shall submit a Timed-Scaled Logic Diagram (TSLD) meeting the
358 following requirements and having these essential and distinctive
359 elements:

360
361 (a) The information and requirements listed in Subsection
362 108.06(A)(1) – For Contracts \$2,000 or Less or For Contract
363 Time 100 Working Days or 140 Calendar Days or Less.

364
365 (b) Additional reports and graphics available from the
366 software as requested by the Engineer.

367
368 (c) Sufficient detail to allow at least weekly monitoring of
369 the Contractor and subcontractor's operations.

370
371 (d) The time scaled schematic shall be on a calendar or
372 working days basis. What will be used shall be determined
373 by how the contract keeps track of time. It will be the
374 same. Plot the critical calendar dates anticipated.

375
376 (e) Breakdown of activity, such as forming, placing
377 reinforcing steel, concrete pouring and curing, and stripping
378 in concrete construction. Indicate location of work to be
379 done in such detail that it would be easily determined where
380 work would be occurring within approximately 200 feet.

381
382 (f) Latest start and finish dates for critical path activities.
383

384 (g) Identify responsible subcontractor, supplier, and
385 others for their respective activity.
386

387 (h) No individual activity shall have duration of more than
388 20 calendar days unless requested and approved by the
389 Engineer.
390

391 (i) All activities shall have work breakdown structure
392 codes and activity codes. The activity codes shall have
393 coding that incorporates information for phase, location,
394 who is responsible for doing work and type of operation and
395 activity description.
396

397 j) Incorporate all physical access and availability
398 restraints.
399

400 **(B) Inspection and Testing.** All schedules shall provide reasonable
401 time and opportunity for the Engineer to inspect and test each work
402 activity.
403

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

(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.

475 (6) Two sets of color time-scaled project evaluation and review
476 technique charts ("PERT") using the activity box template of Logic –
477 Early Start or such other template designated by the Engineer.
478

479 If the contract documents establish a sequence or order for the
480 work, the initial progress schedule shall conform to such sequence or
481 order.
482

483 **(E) Contractor's Continuing Schedule Submittal Requirements.**

484 After the acceptance of the initial TSLD and when construction starts, the
485 Contractor shall submit four plotted progress schedules, two PERT
486 charts, and reports on all construction activities every two weeks (bi-
487 weekly). This scheduled bi-weekly submittal shall also include an
488 updated version of the project schedule in a computerized software format
489 as specified by the Engineer. The submittal shall have all the
490 information needed to re-create that time period's TSLD plot and reports.
491 The bi-weekly submittal shall include, but not limited to, an update of
492 activities based on actual durations, all new activities and any changes in
493 duration or start or finish dates of any activity.
494

495 The Contractor shall submit with every update, in report form
496 acceptable to the Engineer, a list of changes to the progress schedule
497 since the previous schedule submittal. The Engineer may change the
498 frequency of the submittal requirements but may not require a submittal of
499 the schedule to be more than once a week. The Engineer may
500 decrease the frequency of the submittal of the bi-weekly schedule.
501

502 The Contractor shall submit updates of the anticipated work
503 completion graph, equipment listing, manpower requirement graph or
504 method statement when requested by the Engineer. The Contractor
505 shall submit such updates within 4 calendar days from the date of the
506 request by the Engineer.
507

508 The Engineer may withhold progress payment until the Contractor
509 is in compliance with all schedule update requirements
510

511 **(F) Float.** All float appearing on a schedule is a shared commodity.
512 Float does not belong to or exist for the exclusive use or benefit of either
513 the State or the Contractor. The State or the Contractor has the
514 opportunity to use available float until it is depleted. Float has no
515 monetary value.
516

517 **(G) Scheduled Meetings.** The Contractor shall meet on a bi-weekly
518 basis with the Engineer to review the progress schedule. The
519 Contractor shall have someone attending the meeting that can answer all
520 questions on the TSLD and other schedule related submittals.
521

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

534
535 If the TSLD indicates an early completion of the project, the
536 Contractor shall, upon submittal of the schedule, cooperate with the
537 Engineer in explaining how it will be achieved. In addition, the
538 Contractor shall submit the above explanation in writing which shall
539 include the State's part, if any, in achieving the early completion date.
540 Early completion of the project shall not rely on changes to the Contract
541 Documents unless approved by the Engineer.

542
543 **(I) Contractor Responsibilities.** The Contractor shall promptly
544 respond to any inquiries from the Engineer regarding any schedule
545 submission. The Contractor shall adjust the schedule to address
546 directives from the Engineer and shall resubmit the TSLD package to the
547 Engineer until the Engineer finds it acceptable.

548
549 The Contractor shall perform the work in accordance with the
550 submitted TSLD. The Engineer may require the Contractor to provide
551 additional work forces and equipment to bring the progress of the work
552 into conformance with the TSLD at no increase in contract price or
553 contract time whenever the Engineer determines that the progress of the
554 work does not insure completion within the specified contract time.

555
556 **108.07 Weekly Meeting.** In addition to the bi-weekly schedule meetings,
557 the Contractor shall be available to meet once a week with the Engineer at the
558 time and place as determined by the Engineer to discuss the work and its
559 progress including but not limited to, the progress of the project, potential
560 problems, coordination of work, submittals, erosion control reports, etc. The
561 Contractor's personnel attending shall have the authority to make decisions and
562 answer questions.

563
564 The Contractor shall bring to weekly meetings a detailed work schedule
565 showing the next three weeks' work. Number of copies of the detailed work
566 schedule to be submitted will be determined by the Engineer. The three-week
567 schedule is in addition to the TSLD and shall in no way be considered as a
568 substitute for the TSLD or vice versa. The three-week schedule shall show:
569

(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 \$1,000 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 \$1,500 (for Highways on Oahu) 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 maximum amount assessed per day shall be \$15,000. The Engineer may assess liquidated damages for failure of the Contractor, for any reason, to maintain open lanes to the public in the amount of \$2,500 (for Freeways on Oahu) for every one-to-fifteen-minute increment for each lane not open to the public. For Freeways, the maximum amount assessed per day shall be \$25,000. 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 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.

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

667
668 (3) Unacceptable noise or dust arising from the construction
669 even if it does not violate any law or regulation.

670
671 (4) Failure on the part of the Contractor to:

672
673 (a) Correct conditions unsafe for the general public or for
674 the workers.

675
676 (b) Carry out orders given by the Engineer.

677
678 (c) Perform the work in strict compliance with the
679 provisions of the contract.

680
681 (d) Provide adequate supervision on the jobsite.

682
683 (5) The convenience of the State.

684
685 **(B) Partial and Total Suspension.** Suspension of work on some but
686 not all items of work shall be considered a "partial suspension".
687 Suspension of work on all items shall be considered "total suspension".
688 The period of suspension shall be computed from the date set out in the
689 written order for work to cease until the date of the order for work to
690 resume.

691
692 **(C) Reimbursement to Contractor.** In the event that the Contractor
693 is ordered by the Engineer in writing as provided herein to suspend all
694 work under the contract for the reasons specified in Subsections
695 108.10(A)(2), 108.10(A)(3), or 108.10(A)(5) of the "Suspension of Work"
696 paragraph, the Contractor may be reimbursed for actual direct costs
697 incurred on work at the jobsite, as authorized in writing by the Engineer,
698 including costs expended for the protection of the work. An allowance of 5
699 percent for indirect categories of delay costs will be paid on any
700 reimbursed direct costs, including extended branch and home-office
701 overhead and delay impact costs. No allowance will be made for
702 anticipated profits. Payment for equipment which is ordered to standby
703 during such suspension of work shall be made as described in Subsection
704 109.06(H) - Idle and Standby Equipment.

705
706 **(D) Cost Adjustment.** If the performance of all or part of the work is
707 suspended for reasons beyond the control of the Contractor except an
708 adjustment shall be made for any increase in cost of performance of this
709 contract (excluding profit) necessarily caused by such suspension, and
710 the contract modified in writing accordingly.

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

714
715 (1) For weather related conditions.

716
717 (2) To the extent that performance would have been so
718 suspended, delayed, or interrupted by any other cause, including
719 the fault or negligence of the Contractor.

720
721 (3) Or, for which an adjustment is provided for or excluded
722 under any other provision of this Contract.

723
724 **(E) Claims for Adjustment.** Any adjustment in contract price made
725 shall be determined in accordance with Subsections 104.02 – Changes
726 and 104.06 – Methods of Price Adjustment.

727
728 Any claims for such compensation shall be filed in writing with the
729 Engineer within 30 days after the date of the order to resume work or the
730 claim will not be considered. The claim shall conform to the
731 requirements of Subsection 107.15(D) – Making of a Claim. The
732 Engineer will take the claim under consideration, may make such
733 investigations as are deemed necessary and will be the sole judge as to
734 the equitability of the claim. The Engineer's decision will be final.

735
736 **(F) No Adjustment.** No provision of this clause shall entitle the
737 Contractor to any adjustments for delays due to failure of its surety, the
738 cancellation or expiration of any insurance coverage required by the
739 contract documents, for suspensions made at the request of the
740 Contractor, for any delay required under the contract, for suspensions,
741 either partial or whole, made by the Engineer under Subsection
742 108.10(A)(4) of the "Suspension of work" paragraph.

743
744 **108.11 Termination of Contract for Cause.**

745
746 **(A) Default.** If the Contractor refuses or fails to perform the work, or
747 any separable part thereof, with such diligence as will assure its
748 completion within the time specified in this contract, or any extension
749 thereof, or commits any other material breach of this contract, and further
750 fails within seven days after receipt of written notice from the Engineer to
751 commence and continue correction of the refusal or failure with diligence
752 and promptness, the Engineer may, by written notice to the Contractor,
753 declare the Contractor in breach and terminate the Contractor's right to
754 proceed with the work or the part of the work as to which there has been
755 delay or other breach of contract. In such event, the State may take
756 over the work, perform the same to completion, by contract or otherwise,
757 and may take possession of, and utilize in completing the work, the
758 materials, appliances, and plants as may be on the site of the work and
759 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.

- 903
904 (5) Certificate of building occupancy as required.
905
906 (6) Certificate of Soil and Wood Treatments.
907
908 (7) Certificate of Water System Chlorination.
909
910 (8) Certificate of Elevator Inspection, Boiler and Pressure Pipe
911 Inspection.
912
913 (9) Maintenance Service Contract and two copies of a list of all
914 equipment installed.
915
916 (10) Current Tax clearance. The contractor will be required to
917 submit an additional tax clearance certificate when the final
918 payment is made.
919
920 (11) And any other final items and submittals required by the
921 contract documents.
922

923 **(C) Procedure.** When in compliance with the above requirements,
924 the Contractor shall notify the Engineer in writing that the project has
925 reached substantial completion and is ready for pre-final inspection.
926

927 The Engineer will then make a preliminary determination as to
928 whether or not the project is substantially complete and ready for pre-final
929 inspection. The Engineer may, in writing, postpone until after the pre-
930 final inspection the Contractor's submittal of any of the items listed in
931 Subsection 108.13(B) – Pre-Final Inspection, herein, if in the Engineer's
932 discretion it is in the interest of the State to do so.
933

934 If, in the opinion of the Engineer, the project is not substantially
935 complete, the Engineer will provide the Contractor a punchlist of specific
936 deficiencies in writing which must be corrected or finished before the work
937 will be ready for a pre-final inspection. The Engineer may add to or
938 otherwise modify this punchlist from time to time. The Contractor shall
939 take immediate action to correct the deficiencies and must repeat all steps
940 described above including written notification that the work is ready for
941 pre-final inspection.
942

943 After the Engineer is satisfied that the project appears substantially
944 complete a final inspection shall be scheduled within ten working days
945 after receipt of the Contractor's latest letter of notification that the project is
946 ready for final inspection.
947

948 If, as a result of the pre-final inspection, the Engineer determines
949 the work is not substantially complete, the Engineer will inform the
950 Contractor in writing as to specific deficiencies which must be corrected

951 before the work will be ready for another pre-final inspection. If the
952 Engineer finds the work is substantially complete but finds deficiencies
953 that must be corrected before the work is ready for final inspection, the
954 Engineer will prepare in writing and deliver to the Contractor a punchlist
955 describing such deficiencies.
956

957 At any time before final acceptance, the Engineer may revoke the
958 determination of substantial completion if the Engineer finds that it was not
959 warranted and will notify the Contractor in writing the reasons therefore
960 together with a description of the deficiencies negating the declaration.
961

962 When the date of substantial completion has been determined by
963 the State, liquidated damages for the failure to complete the punchlist, if
964 due to the State will be assessed in pursuant to Subsection 108.08(B) -
965 Liquidated Damages for Failure to Complete the Punchlist.
966

967 **(D) Punchlist; Clean Up and Final Inspection.** Upon receiving a
968 punchlist after pre-final inspection, the Contractor shall promptly devote all
969 required time, labor, equipment, materials and incidentals to correct and
970 remedy all punchlist deficiencies. The Engineer may add to or otherwise
971 modify this punchlist until substantial completion of the project.
972

973 Before final inspection of the work, the Contractor shall clean all
974 ground occupied by the Contractor in connection with the work of all
975 rubbish, excess materials, temporary structures and equipment, shall
976 remove all graffiti and defacement of the work and all parts of the work
977 and the worksite must be left in a neat and presentable condition to the
978 satisfaction of the Engineer.
979

980 Final inspection will occur within ten working days after the
981 Contractor notifies the Engineer in writing that all punchlist deficiencies
982 remaining after the pre-final inspection have been completed and the
983 Engineer concurs. If the Engineer determines that deficiencies still
984 remain at the final inspection, the work will not be accepted and the
985 Engineer will notify the Contractor, in writing, of the deficiencies which
986 shall be corrected and the steps above repeated.
987

988 If the Contractor fails to correct the deficiencies and complete the
989 work by the established or agreed date, the State may correct the
990 deficiencies by whatever method it deems appropriate and deduct the cost
991 from any payments due the Contractor.
992

993 **108.14 Substantial Completion and Final Acceptance.**

994

995 **(A) Substantial Completion.** When the Engineer finds that the
996 Contractor has satisfactorily completed all work for the project in
997 compliance with the contract, with the exception of the planting period and
998 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:

1047
1048 (a) Correct all noted defects and make replacements, as
1049 directed by the Engineer, in the equipment and work.

1050
1051 (b) Repair or replace to new or pre-existing condition any
1052 damages resulting from such defective materials, equipment or
1053 installation thereof.

1054
1055 (3) The State will be entitled to the benefit of all manufacturers and
1056 installers warranties that extend beyond the terms of the Contractor's
1057 guaranty regardless of whether or not such extended warranty is required
1058 by the contract documents. The Contractor shall prepare and submit all
1059 documents required by the providers of such warranties to make them
1060 effective, and submit copies of such documents to the Engineer. If an
1061 available extended warranty cannot be transferred or assigned to the
1062 State as the ultimate user, the Contractor shall notify the Engineer who
1063 may direct that the warranted items be acquired in the name of the State
1064 as purchaser.

1065
1066 (4) If a defect is discovered during a guarantee period, all repairs and
1067 corrections to the defective items when corrected shall be guaranteed for
1068 a new duration equal to the original full guarantee period. The running
1069 of the guarantee period shall be suspended for all other work affected by
1070 any defect. The guarantee period for all other work affected by any such
1071 defect shall restart for its remaining duration upon confirmation by the
1072 Engineer that the deficiencies have been repaired or remedied.

1073
1074 (5) Nothing in this section is intended to limit or affect the State's rights
1075 and remedies arising from the discovery of latent defects in the work after
1076 the expiration of any guarantee period.

1077
1078 **108.18 No Waiver of Legal Rights.** The following will not operate or be
1079 considered as a waiver of any portion of the contract, or any power herein
1080 reserved, or any right to damages provided herein or by law:

1081
1082 (1) Any payment for, or acceptance of, the whole or any part of the
1083 work.

1084
1085 (2) Any extension of time.

1086
1087 (3) Any possession taken by the Engineer.

1088
1089 A waiver of any notice requirement or of any noncompliance with the
1090 contract will not be held to be a waiver of any other notice requirement or any
1091 other noncompliance with the contract.

1092
1093 **108.19 Final Settlement of Contract.**

1095 **(A) Closing Requirements.** The contract will be considered settled
1096 after the project acceptance date and when the following items have been
1097 satisfactorily submitted, where applicable:
1098

- 1099 (1) All written guarantees required by the contract.
- 1100
- 1101 (2) Complete and certified weekly payrolls for the Contractor
- 1102 and its subcontractor's.
- 1103
- 1104 (3) Certificate of plumbing and electrical inspection.
- 1105
- 1106 (4) Certificate of building occupancy.
- 1107
- 1108 (5) Certificate for soil treatment and wood treatment.
- 1109
- 1110 (6) Certificate of water system chlorination.
- 1111
- 1112 (7) Certificate of elevator inspection, boiler and pressure pipe
- 1113 installation.
- 1114
- 1115 (8) Tax clearance.
- 1116
- 1117 (9) All other documents required by the Contract or by law.
- 1118

1119 **(B) Failure to Meet Closing Requirements.** The Contractor shall
1120 meet the applicable closing requirements within 60 days from the date of
1121 Project Acceptance or the agreed to Punchlist complete date. Should
1122 the Contractor fail to comply with these requirements, the Engineer may
1123 terminate the contract for cause."
1124

1125
1126
1127 **END OF SECTION 108**
1128