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

# "SECTION 108 - PROSECUTION AND PROGRESS

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

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

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

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

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

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

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

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

108.02	Pr	osecutio	n (	of Wo	rk.	Unless o	the	rwise	permitted	d by the	Engir	neer, in
writing,	the	Contrac	or	shall	not	commen	ıce	with	physical	constru	ction	unless
sufficier	nt ma	iterials a	nd e	equipr	nent	are avai	labl	e for	either coi	ntinuous	const	ruction
or comp	letio	n of a sp	ecif	ied po	rtior	of the w	ork.					

108.03 Preconstruction Submittals. The awardee shall submit to the Engineer for information and review the pre-construction submittals within 21 calendar days from award. 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.

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:

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Changes in the Work, Additional Work, and Delays (1) 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. 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. extensions will be the exclusive relief granted on account of such delays.
- **Delays Beyond Contractor's Control.** For delays caused by (3) 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:
  - 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:

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- 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.

225	<ol><li>Submit copies of purchase order(s), factory</li></ol>
226	invoice(s), bill(s) of lading, shipping manifest(s),
227	delivery tag(s), and any other documents to support the
228	time extension request.
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230	<ol><li>Cite the start and end date of the delay and the</li></ol>
231	time extension requested.
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233	(5) Delays for Suspension of Work. When the performance of
234	the work is totally suspended for one or more days (calendar or
235	working days, as appropriate) by order of the Engineer in
236	accordance with Subsections 108.10(A)(1), 108.10(A)(2), or
237	108.10(A)(5) the number of days from the effective date of the
238	Engineer's order to suspend operations to the effective date of the
239	Engineer's order to resume operations shall not be counted as
240	contract time and the contract completion date will be adjusted.
241	During periods of partial suspensions of the work, the Contractor will
242	be granted a time extension only if the partial suspension affects the
243	critical path. If the Contractor believes that an extension of time is
244	justified for a partial suspension of work, it must request the
245	extension in writing at least five working days before the partial
246	suspension will affect the critical operation(s) in progress. The
247	Contractor must show how the critical path was increased based on
248	the status of the work and must also support its claim if requested,
249	with statements from its subcontractors. A suspension of work will
250	not constitute a waiver of pre-existing Contractor delay.
251	The content of the co
252	(6) Contractor Caused Delays. No time extension will be
253	granted under the following circumstances:
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255	(a) Delays within the Contractor's control in performing the
256	work caused by the Contractor, subcontractor, supplier, or any
257	combination thereof.
258	combination thoroof.
259	(b) Delays within the Contractor's control in arrival of
260	materials and equipment caused by the Contractor,
261	subcontractor, supplier, or any combination thereof, in
262	ordering, fabricating, and delivery.
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264	(c) Delays requested for changes which do not affect the
265	critical path.
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- (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

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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.
- **(h)** Set schedule logic for out of sequence activities to retain logic. In addition, open ends shall be non-critical.
- (i) Show target bars for all activities.
- (j) Vertical and horizontal sight lines both major and minor shall be used as well as a separator line between groups. The Engineer will determine frequency and style.
- **(k)** The file name, print date, revision number, data and project title and number shall be included in the title block.
- (I) Have columns with the appropriate data in them for activity ID, description, original duration, remaining duration, early start, early finish, total float, percent complete, resources. The resource column shall list who is responsible for the work to be done in the activity. These columns shall be to the left of the bar chart.

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- (2) For Contracts Which Have A Contract Amount More Than \$2,000,000 Or Having A Contract Time Of More Than 100 Working Days Or 140 Calendar Days. For contracts which have a contract amount more than \$2,000,000 or contract time of more than 100 working days or 140 calendar days, the Contractor shall submit a Timed-Scaled Logic Diagram (TSLD) meeting the following requirements and having these essential and distinctive elements:
  - (a) The information and requirements listed in Subsection 108.06(A)(1) For Contracts \$2,000,000 or Less or For Contract Time 100 Working Days or 140 Calendar Days or Less.
  - **(b)** Additional reports and graphics available from the software as requested by the Engineer.
  - **(c)** Sufficient detail to allow at least weekly monitoring of the Contractor and subcontractor's operations.
  - (d) The time scaled schematic shall be on a calendar or working days basis. What will be used shall be determined by how the contract keeps track of time. It will be the same. Plot the critical calendar dates anticipated.
  - **(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.

404	(j) Incorporate all physical access and availability
405	restraints.
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407	(B) Inspection and Testing. All schedules shall provide reasonable
408	time and opportunity for the Engineer to inspect and test each work activity.
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410	(C) Engineer's Acceptance of Progress Schedule. The submittal of,
411	and the Engineer's receipt of any progress schedule, shall not be deemed
412	an agreement to modify any terms or conditions of the contract. Any
413	modifications to the contract terms and conditions that appear in or may be
414	inferred from an acceptable schedule will not be valid or enforceable unless
415	and until the Engineer exercises discretion to issue an appropriate change
416	order. Nor shall any submittal or receipt imply the Engineer's approval of
417	the schedule's breakdown, its individual elements, any critical path that may
418	be shown, nor shall it obligate the State to make its personnel available
419	outside normal working hours or the working hours established by the
420	Contract in order to accommodate such schedule. The Contractor has the
421	risk of all elements (whether or not shown) of the schedule and its
422	execution. No claim for additional compensation, time, or both, shall be
423	made by the Contractor or recognized by the Engineer for delays during
424	any period for which an acceptable progress schedule or an updated
425	progress schedule as required by Subsection 108.06(E) - Contractor's
426	Continuing Schedule Submittal Requirements had not been submitted. Any
427	acceptance or approval of the schedule shall be for general format only and
428	shall not be deemed an agreement by the State that the construction
429	means, methods, and resources shown on the schedule will result in work
430	that conforms to the contract requirements or that the sequences or
431	durations indicated are feasible.
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433	(D) Initial Progress Schedule. The Contractor shall submit an initial
434	progress schedule. The initial progress schedule shall consist of the
435	following:
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437	(1) Four sets of the TSLD schedule.
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439	(2) All the software files and data to re-create the TSLD in a
440	computerized software format as specified by the Engineer.
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442	(3) A listing of equipment that is anticipated to be used on the
443	project. Including the type, size, make, year of manufacture, and all
444	information necessary to identify the equipment in the Rental Rate
445	Blue Book for Construction Equipment.
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447	(4) An anticipated manpower requirement graph plotting contract
448	time and total manpower requirement. This may be superimposed
449	over the payment graph.
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451	(5)	A Met	hod Statement that is a detailed narrative describing the
452	work	to be	done and the method by which the work shall be
453	accon	nplishe	d for each major activity. A major activity is an activity
454	that:	•	
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456		(a)	Has a duration longer than five days.
457		` ,	Ç
458		(b)	Is a milestone activity.
459		` '	•
460		(c)	Is a contract item that exceeds \$10,000 on the contract
461			roposal.
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463		(d)	Is a critical path activity.
464		(ω)	To a official paul activity.
465		(e)	Is an activity designated as such by the Engineer.
466		(0)	is an activity designated as such by the Engineer.
467		Each	Method Statement shall include the following items
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469		(0)	Quantity type make and model of equipment
470		(a)	Quantity, type, make, and model of equipment.
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472		(b)	The manpower to do the work, specifying worker
473		classif	fication.
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475		(c)	The production rate per eight hour day, or the working
476			established by the contract documents needed to meet
477		the tin	ne indicated on the schedule. If the production rate is
478		not fo	or eight hours, the number of working hours shall be
479		indica	ted.
480			
481	(6)	Two s	sets of color time-scaled project evaluation and review
482	techni	que ch	arts ("PERT") using the activity box template of Logic -
483	Early	Start oi	r such other template designated by the Engineer.
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485	If the	contrac	et documents establish a sequence or order for the work,
486			schedule shall conform to such sequence or order.
487	•	5	'
488	(E) Contr	actor's	S Continuing Schedule Submittal Requirements.
489	· ,		ce of the initial TSLD and when construction starts, the
490		•	bmit four plotted progress schedules, two PERT charts,
491			construction activities every two weeks (bi-weekly). This
492	•		y submittal shall also include an updated version of the
493			a computerized software format as specified by the
494			mittal shall have all the information needed to re-create
495	-		TSLD plot and reports. The bi-weekly submittal shall
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470	miciaae, but i	IOL IIIIII	ted to, an update of activities based on actual durations,

all new activities and any changes in duration or start or finish dates of any activity.

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

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

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

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

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

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

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

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

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

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

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

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584	(d)	Critical submittals and requests for information (RFI's).
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586	(e)	The project title, project number, date created, period the schedule
587	cover	s, Contractor's name and creator of the schedule on each page.
588		
589		Two days prior to each weekly meeting, the Contractor shall submit
590	a list	of outstanding submittals, RFIs and issues that require discussion.
591		
592		quidated Damages for Failure to Complete the Work or Portions
593		rk on Time. The actual amount of damages resulting from the
594	Contractor's	failure to complete the contract in a timely manner is difficult to
595	accurately d	etermine. Therefore, the amount of such damages shall be liquidated
596	•	s set forth herein and in the special provisions. The State may, at its
597	discretion, d	educt the amount from monies due or that may become due under the
598	contract.	
599		
600		n the Contractor fails to reach substantial completion of the work for
601	•	ated damages are specified, within the time or times fixed in the
602		any extension thereof, in addition to all other remedies for breach that
603	•	ilable to the State, the Contractor shall pay liquidated damages to the
604	State, in the	amount of \$ 3,000 per working day.
605		
606	(A)	<b>Liquidated Damages Upon Termination.</b> If the State terminates
607		ecount of Contractor's default, liquidated damages may be charged
608	•	st the defaulting Contractor and its surety until final completion of
609	work.	
610		
611	(B)	Liquidated Damages for Failure to Complete the Punchlist. The
612		actor shall complete the work on any punchlist created after the pre-
613	final i	nspection, within the contract time or any extension thereof.
614		
615		When the Contractor fails to complete the work on such punchlist
616		the contract time or any extension thereof, the Contractor shall pay
617		ated damages to the State of 20 percent of the amount of liquidated
618		ges established for failure to substantially complete the work within
619	contra	act time. Liquidated damages shall not be assessed for the period
620	betwe	een:
621		
622		(1) Notice from the Contractor that the project is substantially
623		complete and the time the punchlist is delivered to the Contractor.
624		

Engineer and the date of the successful final inspection, and

The date of the completion of punchlist as determined by the

628	(3) The date of the Final Inspection that results in Substantial
629	Completion and the receipt by the Contractor of the written notice of
630	Substantial Completion.
631	
632	(C) Actual Damages Recoverable If Liquidated Damages Deemed
633	Unenforceable. In the event a court of competent jurisdiction holds that
634	any liquidated damages assessed pursuant to this contract are
635	unenforceable, the State will be entitled to recover its actual damages for
636	Contractor's failure to complete the work, or any designated portion of the
637	work within the time set by the contract.
638	,
639	108.09 Rental Fees for Unauthorized Lane Closure or Occupancy. In
640	addition to all other remedies available to the State for Contractor's breach of the
641	terms of the contract, the Engineer will assess the rental fees in the amount of
642	\$1,000 for every one-to fifteen-minute increment for each roadway lane closed to
643	public use or occupied beyond the time periods authorized in the contract or by the
644	Engineer. The maximum amount assessed per day shall be \$10,000. The State
645	may, at its discretion, deduct the amount from monies due or that may become
646	due under the contract. The rental fee may be waived in whole or part if the
647	Engineer determines that the unauthorized period of lane closure or occupancy
648	was due to factors beyond the control of the Contractor. Equipment breakdown is
649	not a cause to waive liquidated damages.
650	not a cause to waive ilquidated damages.
651	108.10 Suspension of Work.
652	100.10 Ouspension of Work.
653	(A) Suspension of Work. The Engineer may, by written order, suspend
654	the performance of the work, either in whole or in part, for such periods as
655	the Engineer may deem necessary, for any cause, including but not limited
656	to:
657	io.
658	(1) Weather or soil conditions considered unsuitable for
	` '
659	prosecution of the work.
660	(2) Whenever a redecion that may affect the work is deemed
661	(2) Whenever a redesign that may affect the work is deemed
662	necessary by the Engineer.
663	(2) Unacceptable noise or dust evising from the construction even
664	(3) Unacceptable noise or dust arising from the construction even
665	if it does not violate any law or regulation.
666	(4) Failure on the next of the Contractor to
667	(4) Failure on the part of the Contractor to:
668	
669	(a) Correct conditions unsafe for the general public or for
670	the workers.
671	(In) On any and and are all the Free lands
672	<b>(b)</b> Carry out orders given by the Engineer.

673	(c) Perform the work in strict compliance with the
674	provisions of the contract.
675	
676	(d) Provide adequate supervision on the jobsite.
677	(5) The convenience of the State.
678	•
679	(B) Partial and Total Suspension. Suspension of work on some but
680	not all items of work shall be considered a "partial suspension".
681	Suspension of work on all items shall be considered "total suspension".
682	The period of suspension shall be computed from the date set out in the
683	written order for work to cease until the date of the order for work to
684	resume.
685	Todamo.
686	(C) Reimbursement to Contractor. In the event that the Contractor is
687	ordered by the Engineer in writing as provided herein to suspend all work
688	under the contract for the reasons specified in Subsections 108.10(A)(2),
689	108.10(A)(3), or $108.10(A)(5)$ of the "Suspension of Work" paragraph, the
690	Contractor may be reimbursed for actual direct costs incurred on work at
691	the jobsite, as authorized in writing by the Engineer, including costs
692	expended for the protection of the work. An allowance of 5 percent for
693	indirect categories of delay costs will be paid on any reimbursed direct
694	costs, including extended branch and home-office overhead and delay
695	impact costs. No allowance will be made for anticipated profits. Payment
696	for equipment which is ordered to standby during such suspension of work
697	shall be made as described in Subsection 109.06(H) - Idle and Standby
698	Equipment.
699	(D) One (Adirect many). If the mental many of all an ment of the second is
700	(D) Cost Adjustment. If the performance of all or part of the work is
701	suspended for reasons beyond the control of the Contractor except an
702	adjustment shall be made for any increase in cost of performance of this
703	contract (excluding profit) necessarily caused by such suspension, and the
704	contract modified in writing accordingly.
705	
706	However, no adjustment to the contract price shall be made for any
707	suspension, delay, or interruption:
708	
709	(1) For weather related conditions.
710	
711	(2) To the extent that performance would have been so
712	suspended, delayed, or interrupted by any other cause, including the
713	fault or negligence of the Contractor.
714	
715	(3) Or, for which an adjustment is provided for or excluded under
716	any other provision of this Contract.
717	

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

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

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

#### 108.11 Termination of Contract for Cause.

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

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- (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

854 855 856			be reduced to reflect the anticipated rate of loss. No anticipated profit or consequential damage will be due or paid.			
857 858			<b>(b)</b> Subcontractors shall be paid a markup of 10 percent on their direct job costs incurred to the date of termination. No			
359			anticipated profit or consequential damage will be due or paid			
360			to any subcontractor. These costs must not include payments			
361			made to the Contractor for subcontract work during the			
362			contract period.			
363			·			
364			(c) The total sum to be paid the Contractor shall not			
365			exceed the total contract price reduced by the amount of any			
866 867			sales of construction supplies, and construction materials.			
368		(4)	Cost claimed, agreed to, or established by the State shall be			
369		` '	ordance with HAR Chapter 3-123.			
370		0.00				
371	108.13 Pre	-Final	and Final Inspections.			
372			The state of the s			
373	(A)	Inspe	ction Requirements. Before the Engineer undertakes a final			
374	inspection of any work, a pre-final inspection must first be conducted. The					
375	Contrac	Contractor shall notify the Engineer that the work has reached substantial				
376	completion and is ready for pre-final inspection.					
377	-					
378	<b>(B)</b>	Pre-Fi	nal Inspection. Before notifying the Engineer that the work			
379	has reached substantial completion, the Contractor shall inspect the project					
880	and test all installed items with all of its subcontractors as appropriate. The					
881	Contrac	ctor sl	nall also submit the following documents as applicable to the			
382	work:					
383						
384		(1)	All written guarantees required by the contract.			
385						
386		(2)	Two accepted final field-posted drawings as specified in			
387	;	Sectio	n 648 – Field-Posted Drawings;			
388		<b>(0)</b>				
389		(3)	Complete weekly certified payroll records for the Contractor			
390	and Subcontractors.					
891	,	/ <b>/</b> \	Contificate of Disserbing and Floatwice Incorporation			
392		(4)	Certificate of Plumbing and Electrical Inspection.			
393	,	<i>(</i> =\	Contilinate of building accumulation of building accumulation of building accumulation of the state of the st			
394		(5)	Certificate of building occupancy as required.			
395		(e)	Cartificate of Sail and Wood Treatments			
896		(6)	Certificate of Soil and Wood Treatments.			
397		<b>(7</b> )	Cartificate of Water System Chlorination			
898 899		(7)	Certificate of Water System Chlorination.			
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**(8)** Certificate of Elevator Inspection, Boiler and Pressure Pipe Inspection.

- **(9)** Maintenance Service Contract and two copies of a list of all equipment installed.
- (10) Current Tax clearance. The contractor will be required to submit an additional tax clearance certificate when the final payment is made.
- (11) And any other final items and submittals required by the contract documents.
- **(C) Procedure.** When in compliance with the above requirements, the Contractor shall notify the Engineer in writing that the project has reached substantial completion and is ready for pre-final inspection.

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

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

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

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

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

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

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

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

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

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

# 108.14 Substantial Completion and Final Acceptance.

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

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

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

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

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

#### 108.17 Guarantee of Work.

- (1) Regardless of, and in addition to, any manufacturers' warranties, all work and equipment shall be guaranteed by the Contractor against defects in materials, equipment or workmanship for one year from the date of final acceptance or as otherwise specified in the contract documents.
- (2) When the Engineer determines that repairs or replacements of any guaranteed work and equipment is necessary due to materials, equipment, or workmanship which are inferior, defective, or not in accordance with the terms of the contract, the Contractor shall, at no increase in contract price or contract time, and within five working days of receipt of written notice from the State, commence to all of the following:
  - (a) Correct all noted defects and make replacements, as directed by the Engineer, in the equipment and work.

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- (b) Repair or replace to new or pre-existing condition any damages resulting from such defective materials, equipment or installation thereof.
- The State will be entitled to the benefit of all manufacturers and (3) 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 quarantee 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.
- 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.
  - (3) Any possession taken by the Engineer.

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

#### 108.19 **Final Settlement of Contract.**

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

1084	(1)	All written guarantees required by the contract.
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1086	(2)	Complete and certified weekly payrolls for the Contractor and
1087	its su	bcontractor's.
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1089	(3)	Certificate of plumbing and electrical inspection.
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1091	(4)	Certificate of building occupancy.
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1093	(5)	Certificate for soil treatment and wood treatment.
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1095	(6)	Certificate of water system chlorination.
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1097	(7)	Certificate of elevator inspection, boiler and pressure pipe
1098	insta	llation.
1099		
1100	(8)	Tax clearance.
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1102	(9)	All other documents required by the Contract or by law.
1103		
1104	(B) Failu	ire to Meet Closing Requirements. The Contractor shall meet
1105	the applicat	ple closing requirements within 60 days from the date of Project
1106		or the agreed to Punchlist complete date. Should the
1107	Contractor	fail to comply with these requirements, the Engineer may
1108	terminate th	e contract for cause."
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1113		END OF SECTION 108