

ALABAMA DEPARTMENT OF TRANSPORTATION

General Application Special Provision

DATE: June 23, 2023

GASP No. 22-GA0010(2)

EFFECTIVE DATE: September 1, 2023

SUBJECT: Work Performed and Progress Based Pay Items.

Alabama Standard Specifications, 2022 Edition, shall be amended by the revision of SECTIONS 101, 108, by the replacement of SECTIONS 600, 680, and 698:

SECTION 101 DEFINITION OF TERMS

101.01 Definitions.

(b) Terms.

Subarticle 101.01(b) shall be amended by the addition of the following definitions:

Adjusted Contract Amount. The current contract amount that is determined by applying actual and projected changes to the Contract Bid Price (original contract amount) caused by quantity overruns or underruns in contract items and actual and projected costs for extra work, either by supplemental agreement or by force account.

Original Contract Amount. The total contract bid price not including changes caused by quantity overruns, underruns, or extra work.

Progress Based Pay Items. Contract pay items for which progress payments (monthly estimate payments) are based on the progress of construction. Progress based pay items include Mobilization, Construction Fuel, Geometric Controls, and other items for which payments will be based on the progress of construction.

State Construction Engineer. The Bureau Chief of the Construction Bureau, acting directly or through duly authorized representatives; such representatives acting within the scope of the duties and authority assigned to them.

Work Performed. The dollar amount of work that has been completed at a point in time when progress payments (monthly estimate payments) will be made. Work Performed is the payment for the designated physical construction work that has been completed and accepted for payment. Work Performed will not include the following:

- payments for extra work done on a Force Account basis;
- payments that were, or will be based on the progress and quality of the construction;
- payments that were, or will be made for material price adjustments, fuels, and stored or unused materials.

Subarticle 101.01(b) shall also be amended by the deletion of the following definition:

~~**Contract Sum or Contract Amount.** The total contract bid price, revised to include changes caused by overruns and underruns in contract items, plus the sum of all approved supplemental agreements and force account orders.~~

SECTION 108 PROSECUTION AND PROGRESS

108.04 Prosecution of Work.

(e) Unsatisfactory Progress.

Subarticle 108.04(e) shall be replaced by the following:

(e) Unsatisfactory Progress.

The Department will monitor the Contractor's progress towards completing the work. The Contractor may be disqualified from bidding further work with the Department if the progress towards completing the work is unsatisfactory.

Unsatisfactory progress toward completing the work shall be when the "Percent Time Elapsed" exceeds the "Percent Complete" by more than 25 %. Percent Time Elapsed and Percent Complete are defined as follows:

$$\text{Percent Time Elapsed} = 100 \times \left[\frac{\text{Days Charged}}{\text{CT} + \text{TE}} \right]$$

$$\text{Percent Complete} = 100 \times \left[\frac{\text{WP} + \text{FA}_1}{\text{AC} - \text{PBPI}} \right]$$

Where,

Days Charged = Number of days charged towards the completion of the work.

CT = Original Contract time. (Days)

TE = Number of days of time extension. (Days)

WP = "Work Performed" as defined in Article 101.01. (Dollars)

FA₁ = Payments for Extra Work paid by Force Account. (Dollars)

AC = "Adjusted Contract Amount" as defined in Article 101.01. (Dollars)

PBPI = Payments for "Progress Based Pay Items" as defined in Article 101.01. (Dollars)

The decimal values derived by the terms "(Days Charged) / (CT + TE)" and "(WP + FA₁) / (AC - PBPI)" shall be rounded to the nearest hundredth.

When the Contractor's progress towards completing the work is unsatisfactory a warning notice of possible disqualification will be sent from the State Construction Engineer to the Contractor by certified mail (return receipt requested). The Contractor will be allowed 10 calendar days from the date of the receipt of the notice of possible disqualification to complete enough of the work to make the progress satisfactory or submit in writing an acceptable explanation to the State Construction Engineer for why the progress is unsatisfactory. At the end of the ten day period, a final notice of disqualification from further bidding will be issued if the progress of the work remains unsatisfactory or the explanation for the unsatisfactory progress is unacceptable.

108.08 Determination of Contract Time.

(d) Monthly Statement and Time Charges.

2. Contracts on a Calendar Day or Date Basis.

Item 108.08(d)2. shall be replaced by the following:

2. Contracts on a Calendar Day or Date Basis.

For projects on a calendar day or date basis, a statement will be furnished the Contractor indicating the number of calendar days remaining in the contract. For contracts that have a calendar completion date, the days assigned for contract time will be the number of calendar days available to the Contractor for performance of the work (from the beginning of contract time charges through the original calendar completion date). A revised completion date will be established for time extensions by adding the approved number of days of extension to the original contract completion date.

108.09 Extension of Contract Time.

Article 108.09 shall be replaced by the following:

108.09 Extension of Contract Time.**(a) Days or Date of Time Extension.**

If approved by the Engineer, contract time extensions will be given as additional working days, additional calendar days or a revised calendar completion date in accordance with the type of time that is set in the original contract for the completion of the work. An extended time for completion, once approved, shall be in full force and effect the same as though it were the original time for completion.

(b) Extension of Contract Time due to Extra Work.

The original contract time may be extended due to the addition of extra work if the Engineer determines that the extra work will affect the schedule for the completion of the project. The contract time will be modified when the extra work is made a part of the contract.

(c) Extension of Contract Time due to Contract Overrun.

An extension of contract time will be made by the Engineer to account for the overrun of the required work (unexpected increase in the quantity of work). The time extension will be calculated using the following formula.

$$TE = CT \left[\frac{WP + FA_2 - EW}{OC - PBPI_1} - 1.0 \right]$$

(This formula is only applicable when $WP - EW$ is greater than $OC - PBPI_1$.)

Where,

TE = Number of days of time extension. (Days) (Rounded up to the nearest whole number.)

CT = Original Contract time. (Days)

WP = "Work Performed" as defined in Article 101.01. (Dollars)

FA₂ = Payments for Extra Work paid by Force Account except for Force Account work that has been covered under an approved Time Extension. (Dollars)

EW = Total Amount of Extra Work paid by Supplemental Agreement, regardless of whether or not a time extension is approved as part of the agreement. (Dollars)

OC = Original Contract Amount. (Dollars)

PBPI₁ = Payments for "Progress Based Pay Items" as defined in Article 101.01. (Dollars)

For contracts that have a calendar completion date, there will be no automatic extension of contract time based on contract overrun. Extensions of contract time for calendar date projects must be based on either extra work or an approved Contractor request for additional time.

(d) Contractor's Request for an Extension of Contract Time.

If the Contractor anticipates that the work cannot be completed within the contract time (which includes approved time extensions) the Engineer may consider the Contractor's request for an extension of contract time. The request must be submitted in writing to the Engineer. The request shall include the specific dates and amount of time requested by the Contractor and a full description of the circumstances that were beyond the control of the Contractor and could not have been anticipated by the Contractor that caused the delay in the overall completion of the work. The controlling work items for each day and the factors that affected progress on these items shall also be provided. An assertion that the contract time is inadequate for the completion of the work will not be considered an acceptable reason for a time extension.

The Contractor shall submit the request for an extension of contract time to the Engineer for evaluation. The Engineer will evaluate the request and then send a recommendation for approval, disapproval or partial approval to the Construction Engineer for further evaluation.

The State Construction Engineer or Region Engineer may approve a time extension if the work was delayed because of conditions beyond the control of the Contractor and could not have been anticipated by the Contractor.

The Transportation Director will make a final determination of the amount of the time extension if the Contractor disagrees with the time extension designated by the State Construction Engineer or Region Engineer. The Contractor may submit the disputed request for a time extension

directly, in writing, to the Transportation Director. The Transportation Director will be the final authority in evaluating the disputed request for the time extension. The Transportation Director may send the request to the Claims Committee for a recommendation before making the final decision. Time extension requests will not be referred to the Claims Appeal Board. Information concerning the Claims Committee and Claims Appeal Board is given in Section 110.

SECTION 600 MOBILIZATION

600.01 Description.

This Section shall cover the preparatory work and operations including, but not limited to, those necessary for the movement of personnel, equipment, supplies, and incidentals to the project site; for the establishment of all offices, buildings, and other facilities necessary for work on the project; and for all other work and operations which must be performed or costs incurred prior to beginning work on the various items on the project site.

The lump sum bid for mobilization shall be so distributed among the various pay items of the contract that an overrun of a particular pay item will not adversely affect the unit price of that item.

600.02 Materials.

Not applicable.

600.03 Construction Details.

Not applicable.

600.04 Method of Measurement.

(a) Partial Payment.

When more than one project is included in one contract, the amount of payment to be made will be based on the "Percent Complete" as defined in Article 108.04 and amount of the entire contract, not the amount of each individual project. Once the amount of payment is determined, based on the entire contract, this amount will then be prepared for payment on each individual project based on the fraction of the total contract of which the project is a part.

Partial Payments for mobilization are based on the Percent Complete and the total adjusted contract amount for all items of work. Payments will be made at the time, and in the amounts shown in the following schedules.

SCHEDULE OF PARTIAL PAYMENTS FOR MOBILIZATION WHEN THE CONTRACT BID PRICE FOR MOBILIZATION IS LESS THAN, OR EQUAL TO 12 % OF THE ORIGINAL CONTRACT AMOUNT (Partial Payments are a % of the Contract Amount for Mobilization)		
TIME OF PARTIAL PAYMENT	AMOUNT OF PARTIAL PAYMENT	ACCUMULATED PAYMENT
First Estimate	20 % of the Bid Price for Mobilization	20 % of the Bid Price for Mobilization
After the First Estimate and When the Percent Complete Exceeds 5 % of the Adjusted Contract Amount	50 % of the Bid Price for Mobilization	70 % of the Bid Price for Mobilization
After the First Estimate and When the Percent Complete Exceeds 50 % of the Adjusted Contract Amount	30 % of the Bid Price for Mobilization	100 % of the Bid Price for Mobilization
Note: If 50 % or more of the adjusted contract amount is completed by the first estimate, a payment of 75 % of the Bid Price for Mobilization will be made on the first estimate. The remainder of the Bid Price for Mobilization will be paid on the following estimate.		

SCHEDULE OF PARTIAL PAYMENTS FOR MOBILIZATION WHEN THE CONTRACT BID PRICE FOR MOBILIZATION IS GREATER THAN 12 % OF THE ORIGINAL CONTRACT AMOUNT (Partial Payments are a % of the Contract Amount, Except the Final Payment)		
TIME OF PARTIAL PAYMENT	AMOUNT OF PARTIAL PAYMENT	ACCUMULATED PAYMENT
First Estimate	2 % of the Original Contract Amount	2 % of Total Contract Amount
After the First Estimate and When the Percent Complete Exceeds 5 % of the Adjusted Contract Amount	6 % of the Original Contract Amount	8 % of Total Contract Amount
After the First Estimate and When the Percent Complete Exceeds 50 % of the Adjusted Contract Amount	4 % of the Original Contract Amount	12 % of Total Contract Amount
At Acceptance for Maintenance per Item 105.15(c)3.	Remainder of Contract Amount for Mobilization	100 % of Contract Amount for Mobilization

The total sum of all payments shall not exceed the original contract amount bid for the item of Mobilization, regardless of the fact that the Contractor may have, for any reason, shut down his work on the project or moved equipment away from the project and then back again.

(b) When No Separate Payment Is Shown in the Proposal.

When the proposal does not include a separate item for Mobilization, all work and incidental costs specified as being covered under this Section shall be included for payment under the several scheduled items of the overall contract, and no separate payment will be made therefore.

600.05 Basis of Payment.

(a) Unit Price Coverage.

The item of Mobilization, measured as noted above, will be paid for at the contract lump sum price bid. Said lump sum price bid shall be full compensation for organizing and moving all labor, tools, equipment, supplies, and incidentals to the project site and for disbanding, disorganizing, and removing all labor, tools, equipment, supplies, and incidentals from the project site, regardless of number of times such moves are made, including all preconstruction costs exclusive of bidding costs.

(b) Partial Payment.

Partial payments may be made in accordance with schedule noted in Article 600.04. The final quantity for this item will be 1.0 unless the project is terminated prior to completing the work in accordance with Article 108.14.

(c) Payment will be made under Item No.:

600-A Mobilization - per lump sum

SECTION 680 GEOMETRIC CONTROLS

680.01 Description.

When this item is included in the proposal, it shall consist of the Contractor furnishing, placing, and maintaining construction stakes, lines, and grades necessary for establishing the accurate location of all features of construction.

680.02 Materials.

All materials needed in the performance of the work of Geometric Controls shall be furnished by the Contractor.

680.03 Construction Requirements.

(a) Determination of Lines and Grades.

The Engineer will furnish centerline control points (P.C.s, P.O.C.s, P.T.s, P.O.T.s, etc.) at intervals determined necessary by the Engineer for the Contractor to establish alignment on all roadways. Where ramps, cross roads, service roads, etc. are geometrically tied to the mainline roadway, the

Engineer will only establish control points along the mainline of the roadways. The Engineer will stake breaks of rights-of-way and mark the clearing limits.

Bench marks will be furnished at intervals along the project for vertical control. Sufficient design roadway cross section information (elevations, slope ratios, etc.) will be provided to enable the Contractor to establish grade stakes and slope stakes. Alignment data and flowline data for drainage structures (including box culverts) will be furnished by the Engineer. For each bridge site, except box culverts, the Engineer will furnish a minimum of two horizontal control points and one bench mark for vertical control.

(b) Contractor's Responsibility.

1. Contractor's Responsibility for Establishing Geometric Controls.

The Contractor shall be responsible for all layout and geometric control work necessary for construction of all items of work. The Contractor shall use the plans, controls and other data furnished by the Engineer in establishing the required location of all features of the work. The Contractor shall be responsible for the utilization and preservation of all furnished controls. The Contractor shall replace State furnished control stakes or marks that are disturbed by the Contractor during construction.

2. Contractor's Responsibility to Check Furnished Controls.

The Contractor shall check all furnished controls as a first order of work to be assured that they are accurate. The Contractor's use of all furnished points and marks for construction of the project shall be acceptance of the responsibility for the accuracy of these controls. By acceptance of responsibility for the accuracy of the controls the Contractor waives all claims for extra compensation for corrective work if the controls are later found to be incorrect. All discrepancies shall be reported immediately to the Engineer in writing.

3. Setting Geometric Controls for Roadway Construction.

The Contractor shall mark or monument the locations of the finished subgrade along the centerline, at the edges of lanes and at breakpoints. Markings or monuments shall be provided at intervals of 100 feet {30 m} on tangent alignments and at intervals of 50 feet {15 m} on curved alignments. The type of marking or monument shall be suitable for the purpose of checking the vertical and horizontal position of the location against the required position shown in the plans. The type of marking or monument shall be approved by the engineer prior to being set.

The Contractor shall also mark or monument locations on each layer of soil or aggregate base at transverse breakpoints on these layers at intervals of 50 feet {15 m}.

4. Setting Geometric Controls for Bridge Construction.

For all bridge work the Contractor shall establish and maintain all horizontal and vertical control points and furnish all lines and grades necessary for the bridge construction from the initial layout to the final acceptance of the bridges. The Contractor shall accurately set all forms, headers, rails, and screeds to provide the dimensions, elevations, and grades shown on the plans.

680.04 Method of Measurement.

Measurement of the item of Geometric Controls will be made on a lump sum basis. When more than one project is included in a contract, each project will be designated a fractional part of the lump sum as shown on the plans.

Partial payments for the item of Geometric Controls will be made on monthly estimates with the amount to be paid each month a percentage of the lump sum bid price. Payments will be made at the time and in the amounts shown in the following schedules:

SCHEDULE OF PARTIAL PAYMENTS FOR GEOMETRIC CONTROLS WHEN THE CONTRACT BID PRICE FOR GEOMETRIC CONTROLS IS LESS THAN, OR EQUAL TO 5 % OF THE ORIGINAL CONTRACT AMOUNT (Partial Payments are a % of the Contract Amount for Geometric Controls)		
TIME OF PARTIAL PAYMENT	AMOUNT OF PARTIAL PAYMENT	ACCUMULATED PAYMENT
First Estimate	20 % of the Bid Price for Geometric Controls	20 % of the Bid Price for Geometric Controls
After the First Estimate and When the Percent Complete Exceeds 5 % of the Adjusted Contract Amount	50 % of the Bid Price for Geometric Controls	70 % of the Bid Price for Geometric Controls
After the First Estimate and When the Percent Complete Exceeds 50 % of the Adjusted Contract Amount	30 % of the Bid Price for Geometric Controls	100 % of the Bid Price for Geometric Controls
Note: If 50 % or more of the Adjusted contract amount is completed by the first estimate, a payment of 75 % of the Bid Price for Geometric Controls will be made on the first estimate. The remainder of the Bid Price for Geometric Controls will be paid on the following estimate.		

SCHEDULE OF PARTIAL PAYMENTS FOR GEOMETRIC CONTROLS WHEN THE CONTRACT BID PRICE FOR GEOMETRIC CONTROLS IS GREATER THAN 5 % OF THE ORIGINAL CONTRACT AMOUNT (Partial Payments are a % of the Contract Amount for Geometric Controls)		
TIME OF PARTIAL PAYMENT	AMOUNT OF PARTIAL PAYMENT	ACCUMULATED PAYMENT
First Estimate	10 % of the Bid Price for Geometric Controls	10 % of Total Bid Price for Geometric Controls
After the First Estimate and When the Percent Complete Exceeds 5 % of the Adjusted Contract Amount	25 % of the Bid Price for Geometric Controls	35 % of Total Bid Price for Geometric Controls
After the First Estimate and When the Percent Complete Exceeds 50 % of the Adjusted Contract Amount	50 % of the Bid Price for Geometric Controls	85 % of the Bid Price for Geometric Controls
At Acceptance for Maintenance per Item 105.15(c)3.	15 % of the Bid Price for Geometric Controls	100 % of the Bid Price for Geometric Controls

When more than one project is included in one contract, the amount of payment to be made will be based on the "Percent Complete" as defined in Article 108.04 and amount of the entire contract, not the amount of each individual project. Once the amount of partial payment is determined, based on the entire contract, this amount will then be prepared for payment on each individual project based on the fraction of the total contract of which the project is a part.

680.05 Basis of Payment.

(a) Unit Price Coverage.

The item of Geometric Controls, measured as noted above, will be paid for at the contract lump sum price bid. Said lump sum shall be full compensation for furnishing all materials (hubs, stakes, templates, straightedges), equipment, tools, labor, and incidentals necessary to complete this item of work.

Partial payments for the item of Geometric Controls will be made in accordance with Article 680.04. The final quantity for this item will be 1.0 unless the project is terminated prior to completing the work in accordance with Article 108.14. When more than one project is included in a contract, the amount of a partial payment will be the sum of separate calculations made for each project.

(b) Payment will be made under Item No.:

680-A Geometric Controls - per lump sum

SECTION 698 CONSTRUCTION FUEL COST

698.01 Description.

This Section shall cover the cost of construction fuel for the equipment necessary for the performance of the required work except for the production of Hot Mix Asphalt (HMA).

698.02 Bidding.

The bidder shall enter an amount from zero dollars up to the maximum dollar amount shown in the pay item description for fuel on the proposal form. The Contractor signifies that this amount represents a reasonable estimate of the fuel costs isolated from all other costs of completing the required work except for the production of HMA.

If a proposal contains an amount greater than the maximum amount shown in the pay item description, the amount bid for Construction Fuel will be assigned a value that is the maximum amount.

698.03 Method of Determining Partial Payments and Cost Adjustments.

(a) Partial Payments.

Partial payments for construction fuel will be based on the lump sum bid price for Construction Fuel and the Work Performed ("Work Performed" is defined in Section 101). This component will be calculated as follows.

$$P = CF \left[\frac{WP_{ce} - WP_{pe}}{OC - PBPI_2} \right]$$

Where,

P = Amount of Partial Payment. (Dollars) (The total sum of partial payments may be less than or exceed the original contract amount for Construction Fuel.)

CF = Lump Sum Contract Amount of "Construction Fuel". (Dollars)

WP_{ce} = "Work Performed" (as defined in Article 101.01) at the time of the current estimate or partial payment. (Dollars)

WP_{pe} = "Work Performed" (as defined in Article 101.01) at the time of the prior estimate for partial payment. (Dollars)

OC = Original Contract Amount. (Dollars)

PBPI₂ = Original Bid Price for Mobilization, Geometric Controls, and Construction Fuel. (Dollars)

The decimal value derived by the term "(WP_{ce} - WP_{pe}) / (OC - PBPI₂)" rounded to the nearest hundredth will be the decimal amount of the lump sum contract amount for construction fuel. WP is the "Work Performed" (as defined in Article 101.01).

(b) Cost Adjustments.

The Department will determine and publish a monthly "Fuel Index" utilizing the average area terminal price reports for regular unleaded gasoline and No. 2 fuel of the "Platts Oilgram Price Report" published during the week in which the first day of the month occurs.

The Base Fuel Index (BFI) for the project will be the monthly fuel index published for the month in which the bids were opened for the project. The Current Fuel Index (CFI) for the project will be the monthly fuel index published for the previous month if the estimate is finalized on any day from the 1 st through the 10th day of the month. The Current Fuel Index (CFI) for the project will be the monthly fuel index published for the month in which the estimate is finalized if the estimate is finalized on any day between the 11th and the last day of the month.

A cost adjustment for construction fuel will be calculated as follows.

$$CA = P \left[\frac{CFI}{BFI} - 1 \right]$$

Where,

CA = Amount of Cost Adjustment (Dollars)

P = Amount of Partial Payment Based on Amount of Work Performed (Dollars)

CFI = Current Fuel Index (the current month's CFI is defined above)

BFI = Base Fuel Index

After the expiration of contract time (plus approved time extensions) two calculations of a potential cost adjustment will be made. The first calculation will be made using the current index (CFI) and the base index (BFI) as noted in the preceding formula. The second calculation will be made using the index during the month that contract time (plus approved time extensions) expired and the base index. The smallest amount of cost adjustment resulting from these two calculations will be made for the current estimate period.

(c) Payments and Adjustments for Contracts with More Than One Project.

When more than one project is included in one contract, the amount of payment to be made will be based on the "Work Performed", as defined in Section 101, on the entire contract, not on each individual project. Once the amount of partial payment and cost adjustment is determined, this amount will then be prepared for payment on each individual project based on the fraction of the entire contract of which the project is a part.

698.04 Basis of Payment.

(a) Unit Price Coverage.

The amount designated for construction fuel, shall be full compensation, after all applicable cost adjustments, for the furnishing of fuel for equipment used on the project, except for the fuel for the production of HMA, and for all materials, equipment, tools, labor, transportation and incidentals necessary for its use.

Partial payments for the item of Construction Fuel will be made in accordance with Article 698.03. At the completion of work, the sum of partial payments may exceed or be less than the original contract lump sum unit price bid. The final quantity may be more or less than 1.0 due to contract overruns or underruns.

(b) Payment will be made under Item No.:

698-A Construction Fuel (max. bid limited to \$_____) - per Lump Sum