



**SPECIAL PROVISIONS
FOR
ALTERNATE PAVEMENT TYPE BIDDING**

**Warren County
IM-NHS-035-2(465)61--03-91**

**Effective Date
January 21, 2026**

THE STANDARD SPECIFICATIONS, SERIES 2023, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE SPECIAL PROVISIONS AND THEY PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.

230395a.01 DESCRIPTION.

- A.** This work shall consist of a pavement composed of either Portland cement concrete or hot mix asphalt, constructed on a prepared subgrade in accordance with the standard specifications and in conformity with the lines, grades, thicknesses and typical cross sections shown on the plans or established by the Engineer and includes the basis for low bidder selection of these designs and materials in proposal.
- B.** Separate pay items, descriptions and quantities are included in the itemized proposal for each of the alternates. The bidder shall only bid one of the alternates and leave the contract unit price column blank for any pay items listed for any other alternate.

230395a.02 DEFINITIONS.

- A. Bid Adjustment Factor.**
The difference of anticipated future rehabilitation costs and historical incentive payments between the two alternatives that will be added to the initial bid price of the HMA alternative.
- B. Combined Square Yard Unit Price.**
Converting the PCC cubic yard bid item to an equivalent square yard item and adding it to the PCC square yard bid item to create a holistic square yard unit price for PCC. This combined square yard unit price item will be used in the calculation of the thickness incentive for the PCC pavement alternative.
- C. Portland Cement Concrete Alternative.**
The full depth 11.5 inch thick pavement for mainline and shoulders over 6.0 inches of granular subbase and 12.0 inches of special backfill.

D. Hot Mix Asphalt Alternative.

The full depth 14.5 inch thick pavement for mainline and shoulders over 6.0 inches of modified subbase and 12.0 inches of special backfill.

230395a.03 BIDDING PROCEDURE.

- A. The proposal form will have PCC paving and HMA paving alternative sections. The bidder will be allowed to bid one alternative section (either the PCC paving or the HMA paving alternative). If the bidder submits any value in the unit price column for the alternate other than the one they are bidding, the bid will be rejected.
- B. A sum of ~~\$300,813.00~~ \$329,075.00 will be added by the Contracting Authority to the total bid of the HMA alternative for bid comparison purposes. The additional amount added will not represent any additional payment made to the successful bidder and is only for determining low bid.

230395a.04 CONTRACT AWARD PROCEDURE.

- A. The basis for determining the low bidder for consideration for award will be the bidder submitting the lowest bid after the adjustment factor is applied to the HMA alternative.
- B. Payment adjustment incentive/disincentive contract items will not be included for comparison purposes for the low bid. These incentives/disincentives will be paid based on the Contractor's work on the contract.

230395a.05 METHOD OF MEASUREMENT.

Section 2301 of the Standard Specifications applies to Articles A through D with the following modifications to the Method of Measurement.

- A. **Standard or Slip Form PCC Pavement, QM-C, Class C, Class 3i Durability, 11.5 In., Furnish Only.**
Cubic yards using a count of batches incorporated.
- B. **Standard or Slip Form PCC Pavement, QM-C, Class C, Class 3i Durability, 11.5 In., Place Only.**
Square yards shown in the contract documents.
- C. **Paved Shoulder, PCC, 11.5 In., Furnish Only.**
Cubic yards using a count of batches incorporated.
- D. **Paved Shoulder, PCC, 11.5 In., Place Only.**
Square yards shown in the contract documents.
- E. **Hot Mix Asphalt Mixtures and Asphalt Binder**
Shall be according to 2303.04. The angle of repose for each HMA mixture is assumed to be 1:1 and will be included in the plan quantity.

230395a.06 BASIS OF PAYMENT.

Section 2301 of the Standard Specifications applies to Articles A through D with the following modifications to the Basis of Payment.

- A. **Standard or Slip Form PCC Pavement, QM-C, Class C, Class 3i Durability, 11.5 In., Furnish Only.**
 - 1. Per cubic yard.

2. Payment is full compensation for furnishing raw materials, proportioning, mixing, and delivery of concrete to the paving machine.
3. Payment will be limited up to 6.0% above plan quantity for the quantity placed. Any quantity furnished above 6.0% of the plan quantity shall be at the Contractor's expense.

B. Standard or Slip Form PCC Pavement, QM-C, Class C, Class 3i Durability, 11.5 In., Place Only.

1. Per square yard.
2. Payment is full compensation for:
 - a. Furnishing all materials, labor, and equipment necessary to place, finish, texture, saw cutting and filling joints and cure the concrete.
 - b. Item should account for all paving costs not covered by furnish bid item.

C. Paved Shoulder, PCC, 11.5 In., Furnish Only.

1. Per cubic yard.
2. Payment is full compensation for furnishing raw materials, proportioning, mixing, and delivery of concrete to the paving machine.
3. Payment will be limited up to 6.0% above plan quantity for the quantity placed. Any quantity furnished above 6.0% of the plan quantity shall be at the Contractor's expense.

D. Paved Shoulder, PCC, 11.5 In., Place Only.

1. Per square yard.
2. Payment is full compensation for:
 - a. Furnishing all materials, labor, and equipment necessary to place, finish, texture, saw cutting and filling joints and cure the concrete.
 - b. Item should account for all paving costs not covered by furnish bid item.

E. Hot Mix Asphalt Mixtures and Asphalt Binder.

1. Per Article 2303.05 of the Standard Specifications.
2. For the following HMA bid items, compensation will be limited up to 6.0% above plan quantity for the quantity placed. Any quantity furnished above 6.0% of the plan quantity shall be at the Contractor's expense.
 - Hot Mix Asphalt Very High Traffic, Base Course, 1/2 In. Mix
 - Hot Mix Asphalt Very High Traffic, Intermediate Course 1/2 In. Mix
 - Hot Mix Asphalt Very High Traffic, Surface Course, 1/2 In. Mix, Friction L-2
 - Asphalt Binder, PG 58-28V, Very High Traffic

F. PCC Incentives and Disincentives.

Thickness Incentive and Disincentive will be applied to the combined square yard unit price to account for all costs associated with placing the PCC. The combined square yard unit price is to be used for incentive payment calculations only and will not be applied to any other aspects of payment. Maximum thickness incentive is 3.0% of the combined square yard unit price. See Attachment for sample calculation.

G. HMA Incentives and Disincentives.

Lab and field voids incentive/disincentive will be applied per Section 2303 of the Standard Specifications for material placed up to a maximum 6.0% over plan quantity per bid item. If the total quantity for that item exceeds 6.0%, an adjustment will be made once that bid item is completed. This does not include waste on the project.

H. Extra Work.

Section 1104 of the Standard Specifications will apply and if additional work is needed as agreed upon with the Engineer, it will be included in the calculation to account for the maximum 6.0% overage quantity for both HMA and PCC items.

ATTACHMENT**A. Calculate Combined Square Yard Unit Price. Quantities shown in the example below are not the actual plan quantities to be bid. See plans for bid quantities.****Example Quantities:**

Furnished Plan Quantity of 15,972 cubic yards at \$100 per cubic yard.

Placed Plan Quantity of 50,000 square yards at \$5 per square yard.

Step 1 – Convert the plan quantity furnish unit price to square yard unit price.

- a. 15,972 cubic yards times \$100 per cubic yard equals \$1,597,200.
- b. \$1,597,200 divided by 50,000 square yards equals \$31.94 per square yard.

Step 2 – Create a combined square yard unit price that includes furnish and place unit prices.

\$31.94 per square yard furnished plus \$5 per square yard placed equals \$36.94 per square yard for the 50,000 square yard plan quantity.

B. Calculate PCC Thickness Incentive.**Assumptions.**

- Contractor furnishes 16,771 (15,972 cubic yards times 1.05) cubic yards of PCC.
- Contractor achieves 3.0% maximum thickness incentive.

Since 16,771 is within the 6.0% maximum, all the quantity placed is available for incentive/disincentive.

Step 3 – Apply the assumed 5.0% to the combined square yard unit price.

\$36.94 per square yard times 1.05 equals \$38.79 per square yard.

Step 4 – Apply thickness incentive (maximum 3.0%) to combined square yard unit price.

50,000 square yards times \$38.79 per square yard times 0.03 equals \$58,185.00 thickness incentive.