# Alternates for Pavements LPA-15-04A

**1.0 Description.** This work shall consist of a pavement composed of either portland cement concrete or asphaltic concrete, constructed on a prepared subgrade in accordance with the standard specifications and in conformity with the lines, grades, thickness and typical cross sections shown on the plans or established by the engineer.

**1.1** 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 item listed for any other alternate. If the bidder leaves any value in the unit price column for another alternate other than the one they are bidding, the bid will be rejected.

**2.0 Mainline Pavements**

**2.0.1** A sum of $\_\_\_\_\_\_\_ *(amount to be inserted by Central Office)* will be added by the Commission to the total bid using an asphalt alternate for the *(Mainline/Ramp/Outer Road/ Route 21/ Alternate A)* pavement for bid comparison purposes to factor in life cycle cost analysis of the roadway. The additional amount added will not represent any additional payment to be made to the successful bidder and is used only for determining the low bid.

**\*\*\*ADD PARAGRAPH 2.0.2 IF MORE THAN ONE ASPHALT ALTERNATE ON THE PROJECT\*\*\***

**2.0.2** A sum of $\_\_\_\_\_\_\_ *(amount to be inserted by Central Office)* will be added by the Commission to the total bid using an asphalt alternate for the *(Mainline/Ramp/Outer Road/ Route 21/ Alternate E)* pavement for bid comparison purposes to factor in life cycle cost analysis of the roadway. The additional amount added will not represent any additional payment to be made to the successful bidder and is used only for determining the low bid.

**\*\*\*ADD PARAGRAPHS 2.1 and 2.1.1 IF A2 SHOULDERS ON THE PROJECT\*\*\***

2.1 A2 Shoulders

**2.1.1** A sum of $\_\_\_\_\_ *(amount to be inserted by Central Office)* will be added by the Commission to the total bid using an asphalt A2 Shoulder alternate for the *(Mainline/Ramp/Outer Road/ Route 21/ Alternate C)* pavement for bid comparison purposes to factor in life cycle cost analysis of the roadway. The additional amount added will not represent any additional payment to be made to the successful bidder and is used only for determining the low bid.

**\*\*\*ADD PARAGRAPH 2.1.2 IF MORE THAN ONE ASPHALT A2 SHOULDER ALTERNATE IS ON THE PROJECT\*\*\***

**2.1.2** A sum of $\_\_\_\_\_ *(amount to be inserted by Central Office)* will be added by the Commission to the total bid using an asphalt A2 Shoulder alternate for the *(Mainline/Ramp/Outer Road/ Route 21/ Alternate G)* pavement for bid comparison purposes to factor in life cycle cost analysis of the roadway. The additional amount added will not represent any additional payment to be made to the successful bidder and is used only for determining the low bid.

**2.2** The quantities shown for each alternate reflect the total square yards of pavement surface designated for alternate pavement types as computed and shown on the plans. No additional payment will be made for asphaltic concrete mix quantities to construct the required 1:1 slope along the edge of the pavement, or for tack applied between lifts of asphalt.

**2.3** The grading shown on the plans was designed for the (*thicker/ thinner/ asphalt/ concrete*) pavement alternate. *(The designer should have a note on the Quantity Sheets by the Alternate Paving Quantities that identifies the pavement thickness used to design the project. Some projects have more than two pavement thicknesses.)*

**2.4** Pavement alternates composed of Portland cement concrete shall have contrast pavements for intermittent markings (skips), dotted lines, and solid intersection lane lines. The pavement markings shall comply with Sec 620. No additional payment will be for the contrast pavement markings.

**3.0 Method of Measurement**. The quantities of concrete pavement will be measured in accordance with Sec 502.14. The quantities of asphaltic concrete pavement will be measured in accordance with Sec 403.22.

**4.0 Basis of Payment.** The accepted quantity of the chosen alternate and other associated items will be paid for at the unit price for each of the appropriate pay items included in the contract.

**4.1** For projects with previously graded roadbeds, any additional quantities required to bring the roadway subgrade to the proper elevation will be considered completely covered by the pay item for Subgrading and Shouldering.

**4.2** For projects with grading in the contract, there will be no adjustment of the earthwork quantities due to adjusting the roadway subgrade for alternate pavements.