

## Scope of Work

North Florida College in Madison, FL would like to rebuild the 300' x 600' asphalt driving pad located on their Public Safety Complex, north of the main campus. The pad is currently used for driver training consistent with law enforcement, first responders, and commercial driver licensure. The reconstruction will be completed utilizing Full Depth Reclamation, which may include the introduction of emulsified asphalt, Portland cement and/or other additives per the mix design. Refer to project specification 321217 -In-Place Recycling-Reconstruction with Asphalt Emulsion and Cement Blend. The successful bidder shall be responsible for providing the mix design from an accredited geotechnical engineering company. The mix design shall be based upon the existing asphalt, base material and sub-base material, in conjunction with the design vehicle(s). The primary design vehicle to be considered in the mix design shall be an unloaded tractor trailer weighing approximately 35,000 lbs with an overall length of approximately 72 ft. The design vehicle will make approximately 200 trips per day around or across the asphalt pad. In addition to the design vehicle and existing conditions, the quantities of emulsified asphalt, cement and/or other add mixtures shall be determined considering a minimum compacted asphalt thickness of 3". The placing of the asphalt shall be accomplished with a minimum of two lifts. The asphalt shall be superpave asphaltic concrete and shall comply with FDOT Spec 334. In addition to the reconstruction of the asphalt pad, ALL pavement markings shall be replaced in their EXACT current location, unless the owner wishes to move a group of the markings to another location on the newly reconstructed pad. Contained within in the Bid Documents is a recently completed survey of the existing 300' x 600' asphalt pad, including the current pavement markings. It is recommended that each bidder utilize someone with experience in surveying and/or construction stakeout to layout new color markings after paving is complete.

The quantities of the different color markings were derived from calculating the total area of each color pavement marking and converting to a linear footage using a 4" wide stripe. Each of the 15" x 15" square shapes on the existing pad represents the location of a driving cone used during different driving maneuvers. Therefore, their replacement is critical. The quantities are as follows:

Blue markings = approx.  $(400\text{sf} / 0.33\text{ft}) = 1,213$  LF of 4" stripe for pricing.

Red markings = approx..  $(210\text{sf} / 0.33\text{ft}) = 637$  LF of 4" stripe for pricing.

Yellow markings = approx.  $(480\text{sf} / 0.33\text{ft}) = 1,455$  LF of 4" stripe for pricing.