49

- **(B)** Surface Preparation. An AC layer shall be placed and properly compacted prior to placement of the grid. The cleaning of the existing pavement shall be in accordance with Section 310 Brooming Off.
- (C) Paving Grid Placement. Place grid onto the cleaned asphalt pavement, with the self-adhesive side down, and with minimal wrinkling or folding. The grid shall only be placed when the leveling course is below 125 degrees Fahrenheit, which is roughly ½ hour after the leveling course is compacted, as the heat can affect the grid adhesive. If the grid has a stronger strength direction, the grid shall be placed with its wider tendon being transverse to the travel direction.

The grid material shall be laid out either by hand or by mechanical means under sufficient tension to eliminate ripples, wrinkling, or folding. Should ripples, wrinkling, or folding occur, these must be removed by pulling the grid tight or in extreme cases (on tight radii) by cutting and laying flat.

The surface of the grid shall be rolled with a rubber-coated drum roller, or pneumatic-tired roller, with enough passes to activate the adhesive. The tires shall be cleaned regularly as needed with an asphalt cleaning agent.

Transverse joints must be lapped in the direction of the paver by 3 to 6 inches. Overlap longitudinal joints by 1 to 2 inches where roll widths of less than 5 feet are utilized. Where 5-foot wide roll widths are used, longitudinal joints are not required, and the rolls shall be placed along the left and right edges of each lane. Do not lap joints with more than two layers of grid. Shingle transverse joints in the direction of paving such that the grid is not pushed up from the construction traffic.

Slow construction equipment and emergency traffic may run on the grid after being rolled, provided the equipment does not make turns or braking movements. However, the grid must be kept clean of mud, soil, dust, debris, and other deleterious materials. In addition, should the grid become damaged, it shall be removed and replaced with a new grid patch that shall be overlapped by the adjacent grid layers, at no additional cost to the State.

The grid shall not be directly exposed to vehicular traffic. Therefore, the travel lane shall not be opened to the general public without an AC overlay.

Tests for proper adhesion shall be performed by the Contractor in the presence of the Engineer, when requested by the Engineer, especially when road conditions are wet or when the road does not appear to be properly cleaned prior to the placement of the grid. The procedure for the adhesion test is as follows.

- 1. Cut a square yard of grid
- 2. Place it on the area to be paved.
- 3. Activate the self-adhesive glue by rolling with a rubber-tired roller or by walking on the sample.
- 4. Insert the hook of a fish weight scale on to the center of the grid.

101	6. Record the force result.	surface.
102	7. The result shall be at least 20 pounds or more pr	ior to paving.
103		ior to parring.
104	(D) Paving Operation. To activate the polymer coa	ating on the top side
105	of the grid, hot mix asphalt within a minimum temperate	
106	Fahrenheit should be utilized. This requirement superc	
107	Spreading and Finishing minimum temperature of 250 d	egrees. Warm mix
108	AC is not acceptable over the grid.	
109	416.04 Method of Measurement. The Engineer will meas	sure paving grid per
110 111 112	square yard of grid finished surface, not including overlaps.	sure paving grid per
113 114	The Engineer will measure hot mix asphalt overlay ur Dense Graded HMA Pavement	nder Section 401 –
115 116 117 118 119	416.05 Basis of Payment. The Engineer will pay for the ac at the contract unit price per square yard. Payment will be full cowork prescribed in this section and the contract documents	
120	The Engineer will pay for the following pay item wh	en included in the
121 122	proposal schedule::	on moidada in arc
123 124	Pay Item	Pay Unit
125 126	Paving Grid, GlasGrid 8511TF or Equivalent	Square Yard"
127 128	The Engineer will pay for:	
128 129 130	The Engineer will pay for: (1) 20% of the contract bid price upon complet surface;	ion of preparing the
128 129 130 131 132 133	(1) 20% of the contract bid price upon complet	
128 129 130 131 132 133 134	(1) 20% of the contract bid price upon complet surface;(2) 70% of the contract bid price upon completing	ion of furnishing and
128 129 130 131 132 133 134 135 136 137	(1) 20% of the contract bid price upon complet surface;(2) 70% of the contract bid price upon completi placing of the paving grid;	ion of furnishing and
128 129 130 131 132 133 134 135 136 137 138	 (1) 20% of the contract bid price upon complet surface; (2) 70% of the contract bid price upon completi placing of the paving grid; (3) 10% of the contract bid price upon completing the contract bid price upon contract bid	ion of furnishing and
128 129 130 131 132 133 134 135 136 137 138 139 140	 (1) 20% of the contract bid price upon complet surface; (2) 70% of the contract bid price upon completi placing of the paving grid; (3) 10% of the contract bid price upon completing the contract bid price upon contract bid	ion of furnishing and
128 129 130 131 132 133 134 135 136 137 138 139 140 141	 (1) 20% of the contract bid price upon complet surface; (2) 70% of the contract bid price upon completi placing of the paving grid; (3) 10% of the contract bid price upon completing the contract bid price upon contract bid	ion of furnishing and
128 129 130 131 132 133 134 135 136 137 138 139 140	 (1) 20% of the contract bid price upon complet surface; (2) 70% of the contract bid price upon completi placing of the paving grid; (3) 10% of the contract bid price upon completing the contract bid price upon contract bid	ion of furnishing and