

## ITEM 615 ROADS AND PAVEMENTS FOR MAINTAINING TRAFFIC

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**615.01 Description.** This work consists of providing, maintaining, and subsequently removing roads, pavements, and temporary pavements for maintaining traffic. When the Proposal does not include a pay item for temporary roads as set forth in this item, perform such work under Item 614.

**615.02 Fences.** If necessary, replace permanent fencing with temporary fencing while occupying any temporary Right-of-Way, and provide, erect, and maintain comparable temporary fencing during the period of construction. Take ownership of the existing fence. The Contractor may use this material in the erection of the temporary fence.

Before occupancy of the temporary Right-of-Way is terminated and before removal of the temporary fence, the Engineer will notify the property owner to reinstall permanent fencing according to the Right-of-Way settlement.

**615.03 Earthwork.** Excavate and construct embankment necessary for providing and maintaining temporary roads and any associated drainage facilities, as well as subsequent removal of temporary roads and restoration of the areas to their original condition, according to Item 203. Construct adequate side ditches in cut sections, and provide drainage pipe and culverts where necessary. Ensure that the width of the road from out to out of the shoulders is not less than 26 feet (7.8 m) and the side slopes are not steeper than 1.5:1, unless otherwise shown on the plans. If sidewalks are required, increase the width of embankment accordingly.

**615.04 Guardrail.** Where the height of the embankment is 5 feet (1.5 m) or more, measured at the outside edge of the berm, and the side slope is steeper than 4:1, provide guardrail at a distance of at least 1.5 feet (0.5 m) from the edge of the required width of the surface course. Conform to one of the types of guardrail specified in Item 606, except that the City will allow the Contractor to re-use material in good condition.

**615.05 Pavement.** Unless otherwise shown on the plans, ensure that the pavement surface is not less than 20 feet (6.0 m) wide and is constructed of the materials and in the manner specified.

Prepare the subgrade according to 204.03 and 204.04

Compact the subgrade according to Item 204.03. Identify and replace soft subgrade according to 204.04.

**615.06**

If a traffic-compacted surface course is shown on the plans, construct it according to Item 410. Furnish and apply calcium chloride according to Item 616. The Engineer will specify the amount of original and subsequent applications of aggregate and calcium chloride.

Where Class A or Class B pavement is shown on the plans, provide either rigid pavement or flexible pavement conforming to the following minimum requirements:

<b>MINIMUM COURSE THICKNESS REQUIRED</b>			
Pavement Type	Course Make-Up	Class A	Class B
Rigid	RCC <sup>[4]</sup>	9 in (230 mm)	7 in (180 mm)
Flexible	448 <sup>[1]</sup>	1-1/4 in (32 mm)	1-1/4 in (32 mm)
	448 <sup>[2]</sup>	1-3/4 in (45 mm)	1-1/2 in (38 mm)
	302 <sup>[3]</sup>	7 in (180 mm)	5 in (125 mm)
	304	6 in (100 mm)	6 in (100 mm)
[1] Meet surface course requirements.			
[2] Meet intermediate course requirements.			
[3] The Contractor may use 301 or 448 intermediate course.			
[4] Meet the requirements of City Supplemental Specification 1523.			

For the indicated pavement type and courses, conform to the requirements of the specified items except as modified below.

For rigid pavements, conform to Item 452. Tiebars or hookbolts for longitudinal joints are not required. Use dowels only at transverse expansion and construction joints. Conform to the quality requirements set forth in 499.02 for the materials, except the requirements of 703.13. Use Class C concrete. For any part of the 452 pavement that is to be incorporated into the permanent pavement, the above exclusions do not apply and conformance to Items 452 and 499 is required.

For a 448 course, if the Contractor spreads and finishes the materials by acceptable hand methods, the City will waive the requirements for smoothness. Use a PG 64-22 asphalt binder, unless part of the temporary pavement is to be incorporated into the permanent pavement.

For a 304 course, if the Contractor spreads the aggregate by approved hand methods, the City will not require side forms. If the 304 course is to be removed, the Contractor may use reclaimed asphalt concrete or portland cement concrete pavement.

Determine the thickness of the courses by field measurement.

**615.06 Sidewalk.** If temporary walks are required, provide one of the types specified in Item 608, except Item 608.05 crushed aggregate walks is not permitted.

**615.07 Maintenance.** Maintain all portions of the temporary facilities in good condition with respect to both safety and smoothness for travel as long as it is needed for maintenance of traffic. If the Engineer determines that the Contractor is not properly maintaining the temporary facilities, the City may put them into proper condition according to 105.15.

**615.08 Removal.** If the temporary facilities are no longer needed, remove them, except such portions of the embankment as are shown on the plans to be a part of the new roadway embankment, and leave the area in a neat condition.

Take ownership of all material removed, unless otherwise shown on the plans. Use removed materials in the Work when the material conforms to the specifications; if not, then recycle or dispose of the material according to 105.16 and 105.19.

**615.09 Temporary Pavement.** As soon as the excavation has been backfilled, temporary pavement shall be provided wherever ordered by the Engineer. The temporary pavement shall be installed on the same work day the original pavement is removed and the Engineer may require that all materials and equipment incidental to providing the temporary pavement be on the job site prior to removing the existing pavement. Install temporary pavement in accordance with City of Columbus, Standard Drawing 2161.

Maintain the temporary pavement in a condition suitable to the Engineer until such time as the permanent pavement is constructed. If the temporary pavement is not maintained in a condition acceptable to the Engineer, the City may take any necessary action to have the temporary pavement placed in a proper condition, and the cost of any such actions by the City shall be deducted from payments which may be due or may come due the Contractor.

**615.10 Method of Measurement.** The City will measure the quantity of Pavement for Maintaining Traffic by the number of square yards (square meters) of pavement surface placed, maintained, and removed as directed, measured complete in place.

The City will measure Temporary Pavement furnished and placed under this Item as the actual area placed, but in no case will the limiting lines for measurement be in excess of 1 foot (0.3 m) exterior to the excavation limits shown on standard drawings, unless otherwise approved by the Engineer.

The City will measure areas of soft subgrade, undercut and replaced, according to 204.08.

The City will measure the quantity of Traffic Compacted Surface under Item 410 and Calcium Chloride under Item 616.

**615.11 Basis of Payment.** Payment for Roads for Maintaining Traffic will not include those specified for Item 410 Traffic Compacted Surface or Item 616 Calcium Chloride.

The City will pay for areas requiring undercut and replacement conforming to 204.04 according to 204.09

The City will pay for accepted quantities at the contract prices as follows:

<b>Item</b>	<b>Unit</b>	<b>Description</b>
615	Square Yard (Square Meter)	Pavement for Maintaining Traffic, Class A
615	Square Yard (Square Meter)	Pavement for Maintaining Traffic, Class B
615	Lump Sum	Roads for Maintaining Traffic
615	Square Yard	Temporary Pavement

**615.11**

(Square Meter)