

REMOVE AND RESET CONCRETE PAVERS

****From Peru STP SCRP(4)**

xx. DESCRIPTION. This work shall consist of removing and resetting concrete pavers at the locations indicated in the Plans and as directed by the Engineer.

xx. QUALIFICATIONS.

(a) The installer shall provide their installation history, including installation of concrete pavers, to the Engineer.

(b) The installer's foreman shall have a minimum of 5 years of experience in the installation of unit paver systems of similar size and complexity.

xx. CONSTRUCTION REQUIREMENTS.

(a) General. The existing concrete pavers shall be carefully removed and stacked on pallets prior to resetting. Existing pavers to remain shall be protected.

(b) Base. Dense graded crushed stone base shall be placed and compacted to an elevation which will result in the top surface of the pavers being flush with the surrounding pavers.

(c) Edge Restraint. Paver edge restraint shall be a rigid PVC professional grade edge meeting the dimensions detailed in the Plans. Restraint shall have predrilled holes for anchoring. 10" long x 3/8" diameter steel landscape spikes shall be used to anchor the edge. Restraint shall be installed prior to, and below, the setting bed.

(d) Setting Bed. Sand for the setting bed shall conform to ASTM C 33 and meet the following gradation requirements:

<u>Sieve Size</u>	<u>Percent Passing</u>
No. 3/8 in. (9.5 mm)	100
No. 4 (4.75 mm)	95 to 100
No. 8 (2.36 mm)	85 to 100
No. 16 (1.18 mm)	50 to 85
No. 30 (0.600 mm)	25 to 60
No. 50 (0.300 mm)	10 to 30
No. 100 (0.150 mm)	2 to 10

The setting bed shall not be disturbed or pre-compacted after it has been screed.

(e) Paver Installation. Concrete pavers shall be free of foreign material prior to installation.

Concrete pavers shall be set in accordance with the existing pattern.

Typical joints between the pavers shall be no less than 1/16" and no wider than 3/16".

After a substantial area of pavers have been placed, the pavers shall be vibrated into the sand using a low amplitude, high frequency plate vibrator capable of applying a minimum force of 4000-5000 lbs.

Any broken pavers shall be replaced with matching pavers. Any uneven pavers shall be reset and re-compacted.

Sand for joints shall conform to ASTM C 144 and meet the following gradation requirements:

Sand	Natural Sand		Manufactured
	<u>Sieve Size</u>	<u>Percent Passing</u>	<u>Percent</u>
<u>Passing</u>			
	No. 4 (4.75mm)	100	100
	No. 8 (2.36 mm)	95 to 100	95 to 100
	No. 16 (1.18 mm)	70 to 100	70 to 100
	No. 30 (0.600 mm)	40 to 75	40 to 100
	No. 50 (0.300 mm)	10 to 35	20 to 40
	No. 100 (0.150 mm)	0 to 15	10 to 25
	No. 200 (0.075 mm)		0 to 10

Dry sand for joints shall be spread over the pavers and compacted in overlapping passes until the joints are full and the pavers are fully seated.

Concrete pavers shall be cut as necessary to accommodate field conditions and to achieve an accurate and consistent fit to the existing pattern. Pavers shall be free from stain, dirt, or dust after cutting.

Paver units shall not be cut to a size smaller than 1/3 of a whole paver.

xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Remove and Reset Concrete Pavers) to be measured for payment will be the number of square meters (square feet) of concrete pavers removed and reset in the complete and accepted work.

xx. BASIS OF PAYMENT. The accepted quantity of Special Provision (Remove and Reset Concrete Pavers) will be paid for at the Contract unit price per square meter (square foot). Payment will be full compensation for removing, storing, and resetting concrete pavers; replacing damaged pavers damaged at no fault to the Contractor; and for furnishing all materials, labor, tools, equipment, and incidentals necessary to complete the work.

The Contractor will be responsible for replacing, at no additional cost to the State, any pavers that are broken or otherwise damaged by the Contractor's operations.

Removal of excess pavers not required to be reset will be paid for under Contract item 203.16.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
900.670 Special Provision (Remove and Reset Concrete Pavers)	Square Meter (Square Foot)