SECTION 32 16 13.01

CONCRETE SIDEWALK

PART 1 - GENERAL

1.1 DESCRIPTION

This item shall consist of Reinforced Concrete Sidewalk constructed on approved subgrade in conformity with the lines and grades established by the City Engineer. Sidewalks shall also be in accordance with the standard section, specifications and ordinances for sidewalks adopted by the city in which sidewalk is to be placed.

1.2 MEASUREMENT AND PAYMENT

A. Concrete sidewalk shall be measured by the square foot of surface area when complete and in place.

B. The work performed and the materials furnished and measured shall be paid for at the contract unit price bid for concrete sidewalk. This shall include full compensation of all materials, labor, tools, equipment and incidentals necessary to complete the work. Payment will not be made for unauthorized work.

1.3 SUBMITTALS

See SECTION 03 30 00 - CONCRETE.

PART 2 – PRODUCTS

2.1 MATERIALS

This item shall consist of a mixture of reinforcing steel, coarse aggregate, fine aggregate, cement and water. The mixture shall conform to SECTION 03 30 00 - CONCRETE.

2.2 TESTING REQUIREMENTS

See SECTION 03 30 00 - CONCRETE.

PART 3 – EXECUTION

3.1 GENERAL

A. ~~A.~~ The subgrade shall be excavated and fine graded to a true grade. Lime or cement stabilization of subgrade required to a minimum thickness of 6 inches. Any backfill shall be watered and tamped well ahead of the placing of the concrete. If dry, the subgrade shall be sprinkled immediately before depositing any concrete.

~~A.~~B. Forms shall be metal or wood, free of warp and of a depth equal to the depth of the concrete. They shall be secured and accurately staked to line and grade and held in a true position during the placing of the concrete. Expansion joints of an approved material shall be used between the sidewalk and all abutting concrete. Placement of concrete may begin after

the subgrade is thoroughly compacted and the forms, expansion joints (where necessary) and reinforcing steel are in place. The concrete shall be thoroughly worked with a flat spade or similar tool along the forms as the pouring continues to insure the absence of honeycombs. No concrete over thirty (30) minutes old or retempered concrete shall be used. After the placing of the concrete has sufficiently advanced, the concrete shall be struck off flush with the forms. Then the concrete shall be worked with a wooden float to flush excess mortar to the surface. All exposed corners are to be edged or rounded to the radius shown on the Plans.

B. Unless otherwise shown on the plans, the walk shall be cut transversely with a jointing tool at a width equal to the sidewalk width after the concrete has been thoroughly worked and has sufficiently set. Expansion joints shall be located every forty (40) feet.

C. After the finished concrete has sufficiently set, it shall be covered with burlap and kept wet for a period of four (4) days. As an alternate the concrete may be cured by the application of a clear membrane seal coat that will retain 85% of the original mixing water at the end of three (3) days.

D. After the construction work has been completed, the Contractor shall remove all debris, trash, excess materials, forms, stakes, empty sacks, etc. occasioned by his work from the premises. The site shall be left with a neat appearance. All excavation shall be backfilled and all excess excavated materials shall be disposed of.

END OF SECTION