

SECTION G2000

SITE IMPROVEMENTS

02/02

PART 1 GENERAL

Provide Y2K compliant computer controlled facility components (CCFC) for systems specified in this section. CCFC have software driven technology and embedded microchip technology and include any facility control system utilizing microcomputer, minicomputer, or programmable logic controller. Y2K compliant, by definition, means "computer controlled facility components that accurately process date and time data, including but not limited to, calculating, comparing, and sequencing from, into, and between the twentieth and twenty-first centuries, and the years 1999 and 2000 and leap year calculations." In developing the prescriptive project specification sections for the systems required by this performance section, specifically identify CCFC equipment and its associated Y2K compliance requirements.

1.1 SYSTEM DESCRIPTION

Provide site improvements as required to make a useable facility that meets functional requirements and blends into the existing environment.

1.2 SYSTEM REQUIREMENTS

- a. Obtain all permits and comply with all Federal, State, and local regulatory requirements associated with this work.
- b. The use of fly ash in concrete pavements and sidewalks shall be maximized, but not to exceed 20% of cement content of each mix.
- c. Provide parking within the limits of construction for [_____] to accommodate[a minimum of][_____] vehicles.[Within the limits of construction, provide parking for [_____] vehicles of Navy personnel in a maximum of[2][_____] areas for the duration of construction.
- d. If the existing parking area [_____] is disturbed during construction, it shall be reconstructed either in its present location or in another location within the limits of construction.
- e. All parking areas shall be new[with the exception of _____].
- f. Provide enough parking area for [_____] motorcycles for the [_____] site.
- g. Maintain a [_____] wide easement for utilities along the [_____].
- h. Provide [_____] handicapped parking spaces for every [_____]regular parking spaces provided.
- j. Provide site landscaping in accordance with TG - XXXX

1.3 CRITERIA

a.

b. [_____]

1.4 COMPLIANCE VERIFICATION

Compliance with the requirements will be determined by a review of the design and construction submittals and by field inspection. See Document 00911, Design Requirements, for submittal requirements. See Section 01330, Submittal Procedures, for Submittal Descriptions (SD-xx) and requirements.

1.5 DESIGN SUBMITTALS

1.5.1 Design Analyses and Drawings

New Site Plan showing existing and new topographic features complete with dimensions.

New Portland cement concrete paving plan indicating joint patterns.

Details of the individual items to be constructed in this project. Provide joint details if concrete pavement is used.

1.5.2 Design Specifications

NOTE: Insert applicable SD-xx items as needed for the specific System or Systems that are to be provided by this Project-Specific Section.

SD-05 Design Data

Mix Design

The concrete mix design to be used in the construction of pavement shall be submitted to the Contracting Officer for approval at least 30 days prior to start of any such work. Mix design shall be prepared by an independent testing laboratory and shall provide all information necessary to adequately make a determination of whether mix is acceptable or not. Mix design shall take into consideration the standard deviation of the intended batch plant that will produce the mix. For example, if batch plant has a standard deviation of 10%, then the required 4482 kPa (650 psi) flexural strength requirements shall be increased by 10% to account for deviations in the batch plant.

[_____]

SD-07 Certificates

Year 2000 (Y2K) Compliance Warranty

For each product, component, and system specified in this section as a "computer controlled facility component," provide a statement of Y2K compliance warranty for the specific equipment. If the specific listed equipments must perform as a system to exchange date and time data, then that warranty shall apply to those specific equipments as a system.

[_____]

1.6 CONSTRUCTION SUBMITTALS

SD-[_____]

SD-09 Manufacturer's Field Reports

Y2K Demonstration

For each product, component, and system specified in this section as a "computer controlled facility component," provide a field test to demonstrate Y2K compliance.

PART 2 SYSTEM COMPONENTS

2.1 PAVING (G2020)

Provide [asphaltic concrete] [or] [Portland cement concrete] for vehicular paving.

2.1.1 ASPHALT PAVEMENT

- a. [].
- b. [_____].

2.1.2 PORTLAND CEMENT CONCRETE PAVEMENT

- a. [].
- b. [].

d. Glass beads for reflective markings shall conform to Federal Specification FS TT-B-1325, Type III, Gradation A, and shall be applied in accordance with manufacturer's written recommendations.

2.1.3 PEDESTRIAN PAVING (G2030)

Note:
Refer to the requirements of TG-1005 Section 5 "Pavements" and include appropriate items in this specification.

- a. Provide sidewalks for pedestrian traffic in all areas where foot traffic will occur.

