

## **PARKING**

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**General Requirements:** Automobile, bicycle and/or motorcycle parking facilities should be provided as directed by the project *Program Statement*. The design of each parking facility should satisfy the following general requirements:

**Drainage:** Adequate drainage should be provided for all parking facilities.

**Visibility:** Good visibility should be maintained at each parking facility for functional as well as security reasons. Although the installation of low hedges around a parking facility is often desirable for aesthetic reasons, landscaping should not be allowed to impair visibility.

**Lighting:** All parking facilities shall be well lit (see the *Lighting, Exterior* section within these *Guidelines*).

**Landscaping:** Landscaping should be incorporated into any design of vehicular parking lots.

**Automobile Parking Lots:** The design of surface parking lots for automobiles should satisfy the following requirements:

**Accessibility:** Special provisions for people with disabilities are required in all new parking facilities and must comply with the requirements of the *Illinois Accessibility Code*.

**Size/Configuration:** Surface lots should be arranged with either double loaded bays of no less than 60 ft. from face to face of curbs or single loaded bays of no less than 42 ft. from face to face of curbs. Spaces should typically be 9 ft. wide except for end spaces, which should be 10 ft. wide.

**Construction:** Surface lots should all be constructed of either concrete or asphalt. Concrete surfaces should be no less than 8" thick on a 6" compacted crushed limestone (CA-10) base. Asphalt surfaces shall be no less than 3" thick on an 8" compacted crushed limestone (CA-10) base.

**Curbs:** Continuous perimeter curbing should be provided for each surface parking lot. Typically, perimeter curbs for concrete surface lots should be 6" rolled concrete

curbs with 12" reinforced concrete gutters. Perimeter curbs for asphalt lots should be 6" rolled concrete curbs with 30" reinforced concrete gutters. In both cases, rolled curbs should be tied into adjacent reinforced concrete construction with steel reinforcing. Where head-in parking spaces are provided adjacent to perimeter curbing and adjacent to lawn, a 24" wide 6" thick reinforced concrete strip should be provided on the backside of the curb to serve as a bumper overhang area. The use of 5 ft. wide painted bumper zones is preferred to linear bumper curbs.

**Landscaping – Planting Islands:** Curbed planting islands may be used in the interior of surface lots to a limited degree. Typically, each planting island should be the size of two parking spaces, or roughly 20 x 20 ft. minimum. The perimeter of each planting island should be provided with a continuous 18" wide by 10" tall reinforced concrete mountable curb. Each landscaping island should include at least one tree. Species should be selected from the Approved Plant List. See *Exhibit 32 93 00-1, Approved Plant List*. No proposed understory plants should obstruct vehicular views.

**Landscaping – Perimeter:** The perimeter of parking lots with more than 5 parking spaces and fronting a public street or adjacent to private property shall have a minimum setback from the property line of fifteen (15) feet and shall have a minimum of one tree per thirty (30) feet, and a minimum of three shrubs per thirty (30) lineal feet. Species of trees and shrubs should be from the Approved Plant List. See *Exhibit 32 93 00-1, Approved Plant List*.

**Bollards:** Where appropriate, bollards should be provided at entry drives to the parking facility. The bollards at each drive should be equipped with the necessary hardware for attaching a chain for the purpose of controlling entry into the lot/structure. See *Drawing 12 93 53-1, Fixed Bollard*.

**Striping:** Parking spaces should be delineated by yellow traffic paint stripes that are a minimum of 4" wide.

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**Meters/Signs:** Parking meter posts and sign standards shall be provided as directed by the project *Program Statement*. The F&S Parking Department should be contacted for specific direction regarding quantities and location/layout of each.

**Meter Post Specifications:** A standard meter post should be made from heavy galvanized pipe. The pipe should measure 2 3/8" O.D. and 2 1/16" I. D. The pipe should be set in a full concrete base 2 feet below grade. The finish elevation for the top of the pipe should be 3 feet above grade. The pipe should be checked for plumb before set in concrete. The concrete around the base of the pipe should be finished to drain water away from the base of the pipe.

**On-Street Vehicle Parking:** The F&S Transportation Demand Management and F&S Parking Department should be consulted prior to marking any parking spaces on University Streets. Parking on municipal streets should be replaced according to the respective municipal standards.

**Bicycle Parking:** Facilities for bicycle parking should satisfy the following requirements:

**Location/Configuration:** As much as possible, bicycle parking areas should be located and configured so as to provide close and convenient access to the University bicycle path system. (See *Drawing 32 17 23-1, Bicycle Parking – Double Loaded Bay* for direction regarding typical dimensions and layout.)

**Construction:** Bicycle parking areas should be constructed of reinforced concrete of 6" minimum thickness on a compacted crushed limestone (CA-10) base.

**Bicycle Racks:** See *Drawing 12 93 13-1, Bicycle Rack Installation* for bicycle rack construction details and *Drawing 32 17 23-1, Bicycle Parking – Double Loaded Bay* for bicycle rack layout guidelines.

**Motorcycle Parking:** Facilities for motorcycle parking should satisfy the following requirements:

**Location/Configuration:** As much as possible, motorcycle parking areas should be located and configured so as to provide convenient access to and from streets with minimal conflict with pedestrian and bicycle traffic. (See *Drawing 32 17 23-2, Motorcycle Parking, Single Loaded Bay* for direction regarding typical dimensions and layout.)

**Construction:** Motorcycle parking areas should be constructed of reinforced concrete of 6" minimum thickness on a compacted crushed limestone base.

**Striping:** Spaces should be delineated by 4" wide yellow traffic paint stripes (see *Drawing 32 17 23-2, Motorcycle Parking, Single Loaded Bay*).

**Documentation and Submittals:** The AE shall review the *Project Submittal Requirements*.