

Design Principles

Given the project need, opportunities and understanding of study area conditions, the following principles will guide the identification and evaluation of alternative designs:

Future Capability: A preferred design will anticipate the long-term economic growth of Stittsville's residential and employment areas, and provide appropriate transportation capacity to service travel needs.

Mobility: A preferred design will provide for all travel modes along and across the corridor, including walking, cycling, bus transit, passenger and heavy vehicles.

Property Implications: A preferred design will have the most efficient and compact footprint possible, while providing for transportation needs, in an effort to minimize effects on adjacent private properties (front yards, parking areas, etc) and to minimize the cost of land acquisition.

Site Access: A preferred design will provide vehicle access to adjacent properties in both north and south directions, recognizing the need for median barrier separation associated with travel speeds and volumes.

Greening: A preferred design will improve the visual environment within the right-of-way, providing suitable space and setbacks to support healthy trees, grass, and other low maintenance plantings.

Flexibility: A preferred design will provide for some flexibility in implementation, possibly including a phased construction that corresponds to growing travel demands over the planning period.