

**STONE AVENUE PLAN, GREENVILLE, SC**  
**CITY OF GREENVILLE IN COLLABORATION WITH DOVER, KOHL & PARTNERS**

**HPE RESPONSIBILITY:**

Provide a balance between walkability and automobile traffic movement on redevelopment of Stone Avenue in Greenville, South Carolina.

**CLIENT'S NAME & ADDRESS:**

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**HPE prepared recommendations to retrofit existing streets for improved Walkability**



**HPE staff, project team and dozens of citizens and City staff participated in a Walkability Audit of Stone Avenue utilizing the HPE Walkability Index**

Hall Planning & Engineering, Inc. participated as a subconsultant with Dover, Kohl & Partners, Inc., to address redevelopment of the Stone Avenue corridor in Greenville, SC. The project included developing a master plan to create walkable, urban-scale development along the thoroughfare while maintaining an acceptable level of vehicle movement.

Results included the following:

- Creation of street sections to balance automobile and pedestrian traffic needs
- Design and analysis of a road diet, from four to three lanes, for Stone Avenue.
- Operational analysis of circulation patterns using Synchro™ traffic analysis software
- Detailed block by block recommendations for design and phasing of improvements to Stone Avenue

Stone Avenue is also a US and state highway, requiring HPE to coordinate with SCDOT on the design of the redeveloped corridor. Gaining popular support for the proposed road diet was a key part of the planning effort accomplished by HPE. HPE was able to demonstrate that a walkable Stone Avenue, with a complete mix of housing, retail, and office land uses could still effectively move peak hour traffic through the corridor.

Another key element of HPE's analysis of Stone Avenue included the application of the HPE Walkability Index as a public engagement process. HPE's Walkability Index achieves a block by block, pedestrian level of service score. This score is highly related to bicycle and transit mobility potential for a given block. Using a scale of 0-100, "before" and "after" scores were prepared for Stone Avenue illustrating the corridor's existing poor level of pedestrian comfort and the value of design recommendations in improving that score substantially. It was shown that Stone Avenue's existing rating of "D" would improve to a "B", after implementation of this plan.