



## Department of Community Development

300 Sixth Street - Rapid City, South Dakota 57701-5035

Anna Gilligan, Parking Operations Manager  
Department of Community Development  
Parking Operations Division

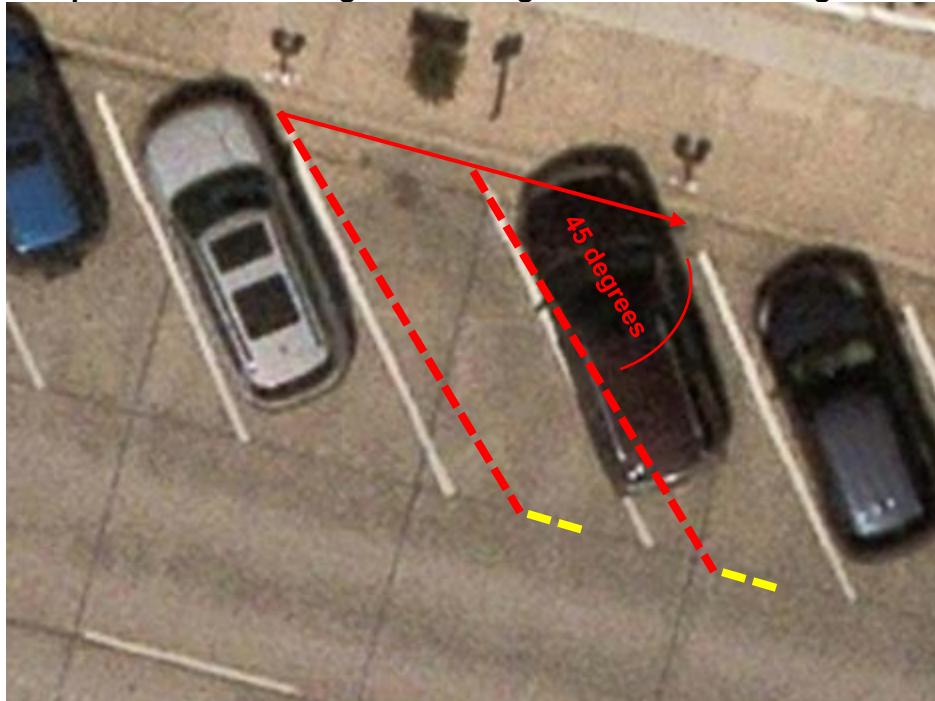
Phone: 605-394-4120  
City Web: [www.rcgov.org](http://www.rcgov.org)  
Email: [cpweb@rcgov.org](mailto:cpweb@rcgov.org)

TO: Parking Advisory Board  
FROM: Anna Gilligan  
SUBJECT: Angle of Parking Stalls  
DATE: 09/22/25

City staff recommends that downtown parking stalls along Main and St. Joseph streets be re-angled to allow for safer travel.

The inside angle of the parking spaces on these blocks is currently around 60 degrees. This was done to fit more parking spaces along the downtown blocks. For reason of safety, the traffic engineer has determined that these should be re-angled at around 45 degrees. This will allow for a line of sight when backing a vehicle from an angled space, it will allow the vehicle to stay within one lane of travel when backing, and it will increase the overall length of the parking spaces by around 3 feet, which will alleviate many of the issues we have with extended cab vehicles blocking traffic.

### Comparison of stalls angled at 45 degrees with current angle of stalls



The red lines in the diagram show what the proposed stalls would look like. The yellow lines represent a hash mark that would be painted at the back of each parking stall as a visual representation of where the parking stall ends and the lane of travel begins. The City of Sioux

Falls recently painted a solid white line across the back of the parking stalls along their main downtown street. After consideration, it was determined a solid white line was unnecessary and that a white hash mark would suffice and adhere with pavement marking guidelines.

Changing the angles of the parking stall on-street would result in approximately one space lost per block.