



NB Rocky Gap Safety Rest Area ADA Upgrades

Overcome Fixed Assets and Limited Space and Meet ADA Compliance



PROBLEM

The northbound Rocky Gap Safety Rest Areas had assets that did not meet current American with Disabilities Act standards for walkway slopes and grades including: handicap parking, access isles, sidewalk ramps, and portions of the sidewalk going to several picnic shelters and a service center. Fixed assets with limited space and varying elevation changes posed a challenge to meet ADA standards for walkways and parking without the addition of handrails.



SOLUTION

PILLAR surveyed the site and obtained elevations to check existing conditions and calculate the new layout and location for sidewalks that met ADA slope requirements for pathways. We took into consideration the fixed facility assets such as concrete steps, picnic shelters, bending building, and the structure that housed the bathrooms.



APPROACH

Working between fixed assets with limited space and varying elevation changes posed a challenge to meet ADA standards for walkways and parking without the addition of handrails. The tractor trailer parking area did not have ADA accessible parking or ADA accessible walkways from the parking lot to the buildings. The car parking area did not have ADA accessible parking or ADA acceptable sidewalk ramps.

Our survey enabled VDOT to install 5 new ADA automobile parking spaces with appropriate access isles and sidewalk and 2 new ADA tractor trailer parking spaces with appropriate access isles and sidewalk ramps. Several other automobile parking spaces and curb ramps were also modified to meet current ADA standards. Over 300 linear feet of sidewalk was removed and replaced with 500 linear feet of sidewalk (120 linear feet of truncated detectable warning surface) at ADA acceptable grades. This enabled ADA compliant access to picnic shelters, vending facilities, and bathroom facilities.