



Innovation Showcase

2024 “Outstanding Innovation” Winner

Guardrail High Shoulder Clipper

Submitted By:

Hulee Harvey
(Fairfield Maintenance – District 4)

Contact:

803-635-4222 / HarveyH@scdot.org

Manager: Bob Little

Description:

Fairfield submitted their skid-steer land planer attachment, which was modified to push and remove high shoulders typically found under guardrail. This removes the built-up material and vegetation which can keep water from draining properly from the edge of the travel lane.

How does this Innovation benefit SCDOT?:

Typically, extensive manpower and a backhoe or motor grader are used to remove high shoulders from under guard rails. This modified attachment eliminates body strain and damage to the guardrail from the equipment. The work also allows water to run off immediately rather than be carried along a high shoulder until a passageway is found. This tool can be removed with the quick connect system that comes stock on the skid steer. This tool is better used to push the material under the guard rail, and can be used with a single lane closure.



*Drawing(s) and bill of materials will be shared once available.