



CONNECTED COMMUNITIES

**APPENDIX IV.
CONNECTED
COMMUNITIES
SUSTAINABLE TRAIL
MANAGEMENT
OBJECTIVES**

Description	Trail Class	Designed Use	Managed use	Managed Use	Managed Use	Maximum Short Pitch (%)	Typical Trail Grade (%)	Trail Tread (in)	Turn Radius (ft)	Clearing Limit Width (ft)	Clearing Limit Height	Turn Max Grade (%)	Bulb/Passing Spacing (ft)
Multi Use Non-Motorized Easy	3	Hiker	bicycle	pack and saddle		4-5	8	48-72	8	72	96	5	500
Climbing Trail	2	Bicycle	bicycle	hiker	pack and saddle	4-7	12	18-24	6	72	96	8	1000
Motorized Sensitive Soil	3	Motorcycle	bicycle	e-bike	hiker	3-5	7	18-30	8	72	72	7	500
Motorized Advanced	2	Motorcycle	e-bike	bicycle		6-10	15	6-18	6	72	72	20	1500
Community Multi Use	4	Hiker	bicycle	e-bike		3-5	8	48-72	10	120	120	5	500
Equestrian Multi Use	3	Pack and Saddle	hiker	bicycle		4-7	12	24-36	8	96	120	12	500
E-bike and Adaptive Device	3	Bicycle	e-bike	hiker		3-6	10	40-60	8	96	72	7	500
Motorized ATV	3	ATV	motorcycle	e-bike	bicycle	5-7	12	60-80	10	120	72	7	500
Motorized SxS	3	SxS	ATV	bicycle	e-bike	4-6	10	96-120	14	136	72	6	500

Best Practices:

- Equipment construction only when adequate soil moisture is present
- Review all alignments with agency staff
- Pin flag ahead of all equipment construction to minimize mistakes and optimize crew efficiency
- Construct platform or flattened turning areas where sideslopes exceed 20%.
- Verify trail grades with clinometer to predict performance and prevent gullying, brake bumps, and other tread failure
- Cut all stubs flat and flush with ground level along sides of trail
- Naturalize disturbed areas along the edge of trail tread so that tread is clearly defined.
- Install rock, logs or other natural material in the insides of turns or to corral users through drainages.
- Bury rocks and logs to widest dimension, looks more natural and will become part of the trail.

Drainage:

- Grade Reversal Spacing 200'
- Drainage Dip/Knick Spacing 50'
- Elevate tread in flat areas and fall line sections using lift and tilt or other methods to elevate tread from surrounding environment.
- Pin Flag Grade Reversals for construction
- Verify all drainage using clinometer