

- **STRATEGY 10.2:** Improve and expand road and bridge linkages between and within communities to ensure year-round emergency access and essential services delivery.
 - **ACTION 10.2.A:** Site road corridors and implement the future road corridors map to prioritize routes that improve and expand year-round emergency access and essential services delivery to residential areas.

Corridor Selection Criteria

Table 2 presents criteria developed and used to guide decision-making related to identifying and siting new corridors during the Roads Plan process.

Table 2: Future road corridor selection criteria.

FNSB Future Road Corridor Selection Criteria		
Category	Criterion	Considerations/Guiding Questions – will, or does, the future road corridor...
Access	Alternative routes	Provide alternate routes to existing residential areas?
	Emergency and essential services	Address a gap and/or provide emergency access and essential services?
	Multiple access points	Support multiple access for residential areas that currently have > 100 dwelling units or have the potential to develop > 100 dwelling units ¹²
	New access	Provide new access into an area expected to be developed?
	Bridges	Provide alternate routes to areas currently accessed solely via bridge?
Connectivity	Vehicle Miles Traveled (VMT)/out-of-direction travel	Decrease overall VMT and/or out-of-direction travel?
	Small gap closures	Close an existing small gap in the road network?
Social	Public input	Address community feedback? Do public comments support or oppose the corridor?
	Encroachment	Avoid encroachment on military or other existing uses?
	Compatibility	Be compatible with existing uses and FNSB plans?
Environment	Wetlands, flood zones, permafrost, soils	Traverse wetlands, flood zones, permafrost, and/or poor soils? Can impacts be mitigated?
	Recreation/habitat	Conflict with trails, wildlife habitat, or recreational lands? Can conflicts be mitigated?
Economic	Property rights/ROWs dedication	Follow existing ROWs/easements? Is additional ROW required?
	Feasibility	Be reasonable/feasible to construct?
Geometry	Road grade	Have a grade < 10%?
	Intersection grade	Have an intersection grade <4% or 6% for through-road?
	Approach angle	Approach angle as close to 90° as possible and no less than 75°?
	Corridor spacing	Have corridor spacing 0.25 mile or greater?

¹² See NFPA 1141, section 11.1.4 *Number of Means of Access* and Tables 11.1.4.1(a) and 11.1.4.1(b).