

List of Key Requisite Parameters for EAR

Unedited

Genesee Fire Protection District

Needs and Desires for a Southern EAR

Objective:

Design and construct an emergency access roadway that meets or exceeds the following criteria:

- Survivable for any occupant inside a vehicle during a wildfire
- Designed and constructed so that it is able to be safely navigated by passenger vehicles, law enforcement vehicles, and fire apparatus
- Meets or exceeds Jefferson County roadway design and construction requirements

Road Specifications:

1. Must be wide enough for vehicles to safely pass.
2. Minimum shoulder width: Defer to Jeffco road specifications
3. Minimum total width: 24 feet or based on Jeffco road specifications
4. Desirable total width: 26 feet or based on Jeffco road specifications
5. Maximum grade in any section: Defer to Jeffco road specifications
6. Desirable grade: Defer to Jeffco road specifications
7. Turning radius must be sufficient for passenger vehicles, law enforcement, and fire apparatus to safely navigate all sections of the roadway. Defer to Jeffco road specifications. Fire apparatus specifications available upon request
8. Guard rails: Defer to Jeffco road specifications
9. Paved? Paving material? Gravel unless otherwise required by Jeffco road specifications

Need the EAR to be survivable in a wildfire: if cars are slowed or stopped on the road while trying to evacuate the area around the road must be mitigated so that non-survivable conditions are avoided. This includes not only the purpose-built road, but also the county and, if applicable, private road used to access the EAR.

The following are guidelines per the fire protection district. CSFS guidelines and IWUI code shall supersede these if they differ.

1. All fuels within 400 feet of the road should be mitigated (200ft on either side of road)
2. It would be desirable if all fuels within 600 feet of the road were mitigated. (300ft on either side of road)
3. The county road leading to the EAR should have no vegetation within 10 feet of the roadway (20 feet desirable). From 10-30 feet, crown spacing must be a minimum of 20 feet, trees limbed so that no limb is less than 10 feet from the ground and ladder fuels removed. Note that this could require the agreement of private property owners to allow the removal of trees and shrubs on their property.
4. The estimated cost of the road shall include the cost of mitigation.
5. It is recognized that the selected route will require a mitigation prescription that takes into account topography and features that may not meet the above criteria. If that is the case, the fire district will review the prescription and advise/approve as necessary.

Use:

1. The road will be secured where it begins and where it intersects 74 with appropriate signage and locks.
2. Access will be limited to fire, law, medical, and designated agencies/contractors/groups for maintenance and mitigation
3. The road will only be used for official fire, law enforcement, and medical purposes
4. The road will not be used for public transport, recreational, or other business not related to emergency response or maintenance and/or mitigation purposes.

Maintenance:

1. Ownership and maintenance of the road will be agreed upon by entering into an operating agreement that is approved by the fire district and landowners.
2. The maintenance agreement shall include the following:
 - a. Secured access
 - b. Roadway
 - c. Mitigation
 - d. Capital reserves fund

Community impact:

1. The number of residents who would routinely see the road should be minimized.

2. Residents who might see the road once it is developed should be included as stakeholders to provide a list of their desires with respect to the visual impact.
 3. The road should require as few as possible private property owners to grant easements or to allow mitigation.
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Genesee Water and Sanitation District

1. Protect the dams and other infrastructure.
 2. Signoff in writing from the State Engineer, Bureau of Dam Safety.
 3. No interference with operations.
 4. Straighten the road or a different road. Whichever is most effective.
 5. Sediment control for all drainages. No sediments into either our reservoirs or Bear Creek.
 6. Fencing, gates, cameras, and other security equipment.
 7. Full indemnification.
 8. No cost to the GW&SD.
 9. GW&SD will neither use nor maintain the road.
 10. GFPD will work with the Bitterroot residents regarding the training times.
 11. Road to be used only in the event of an emergency, GF maintenance, and for occasional fire engine training.
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Genesee Foundation

Objective: To build a southern corridor cost-efficient emergency egress route for Foundation residents and designed sufficiently for emergency vehicle access and operation.

Egress route requirements:

- Most direct and shortest viable route
- Ensure no threat to integrity of the water and sanitation facilities, reservoirs or dams
- Minimize homeowner impact so far as is reasonably possible
- Road only to be used for ingress/egress during emergencies
- Road must be access controlled with appropriate gates and security
- Road must meet emergency services and all applicable federal, state, and local regulations and requirements
- Committed to making sure the route is fire mitigated
- Road surface is to be optimized, cost effective and durable