



STEPS TO OBTAIN ALTERNATIVE SURFACE FIRE APPARATUS ACCESS ROAD PERMIT.

DO NOT SUBMIT 2 ENTIRE SETS OF BUILDING PLANS (see below for required pages)

- ❑ Bring **two** sets of **Alternative Surface Fire Apparatus Access Road** plans to City Hall (200 W. Washington)
 - ❑ Take the **two** sets of plans to the **Fire Plan Review Office** 10th floor
 - ❑ Complete the plan review application
-

ALTERNATIVE SURFACE FIRE APPARATUS ACCESS ROAD PLANS:

- ❑ Two sets of plans, drawn to scale
- ❑ Plan submittal shall include;
 1. Overall site plan showing location of Alternative Surface Fire Apparatus Access Roads and a dedicated page(s) depicting construction and installation specifications.
 2. Plans must depict sub-grade soil compaction, Base material quality, thickness and compaction, crown and drainage requirements, erosion protection (curbing or stabilized mesh), signage and markings.
 3. Location, including the street address, floor, and/or suite number.
 4. Submitted plans must be **wet stamped** by an Arizona registered Professional Engineer and accompanied by an Alternative Surface Fire Apparatus report
- ❑ Description of the proposed project (new build, remodel, etc.) and the business operation.
- ❑ Owners name, mailing address, contact person, and phone number optional

THE FOLLOWING ARE SPECIFIC ALTERNATIVE SURFACE FIRE APPARATUS ACCESS ROAD REQUIREMENTS:

- ❑ **Design.** Fire lanes shall be designed to support a minimum imposed live load of 66,000 pounds with a maximum axle load of 28,000 pounds.
- ❑ **Report.** Alternative surface fire apparatus access roads shall be designed by an engineer registered by the State of Arizona. The engineer shall prepare a sealed design report for submittal to and approval by the fire department. Plans shall be sealed and submitted with the report.
- ❑ **Stabilization.** Stabilization of the apparatus access road surface shall be addressed in the alternative surface fire apparatus access road report and may be accomplished by curbing.
- ❑ **Compaction.** Minimum 95% compaction of sub-grade soil is required.
- ❑ **Curbs.** A rolled curb shall be installed at the entrances to the fire apparatus access roads. (MAG details 205, 251,260-263).
- ❑ **Marking.** The curb shall be painted red or red reflectors shall be installed to define the width of the alternative surface fire apparatus access roads. The reflectors shall be imbedded into bordering curbing at intervals not exceeding 15 feet.
- ❑ **Special Inspections.** An Arizona registered Professional Engineer shall conduct a special inspection prior to final approvals being issued for alternative surface fire apparatus access roads.
- ❑ **Documentation.** The special inspection documentation shall include, but not be limited to the Following:
 1. Sub-grade soil compaction report
 2. Base material quality, thickness and compaction
 3. Concrete depth and compressive strength, when applicable
 4. An evaluation of the installation in accordance with design drawings and Manufacturer Specifications.
 5. Crown and drainage requirements
 6. Stabilization (if curbing is not used)
- ❑ Drawing must be to scale and include a graphic representation of the scale
- ❑ Drawing must be legible and dedicated to the specific item being reviewed

****Stamped approved plans, and permit must be on site for final inspection.**