



## Fire Marshal's Office – Fire Code Interpretation

<b>Number</b>	2022-01		
<b>Subject</b>	Autoturn Analysis Requirements		
<b>Code Reference</b>	2018 IFC, Section 503.2		
<b>Jurisdiction</b>	Wheat Ridge, Arvada, Jefferson County		
<b>Effective Date</b>	7/26/2022	<b>Issued By</b>	Steven Parker
<b>Revision Date</b>		<b>Revised By</b>	
<b>Approval Date</b>	7/26/2022	<b>Approved By</b>	Steven Parker

*As provided in Section 104.1 of the 2018 International Fire Code, the Fire Code Official has the authority to render interpretations of this code and to adopt policies, procedures, rules, and regulations in order to clarify the application of its provisions.*

### PURPOSE

To provide guidance and code interpretation for when a turning analysis is required to prove a site meets the requirements for fire apparatus access.

### SCOPE

This Administrative interpretation applies to all sites where fire apparatus access is required.

### DESCRIPTION OF ISSUE

Often when a new development is being proposed, a turning analysis is provided for review to ensure that it meets the requirements of Chapter 5 and Appendix D of the adopted fire code. Many times, the vehicle turning movements are very close to vertical curbs and structures. The AFPD has previously not established any limits on dimensions from curbs and structures for turning analyses.

### DECISION

Turning analyses shall provide the following dimensions and clearances:

- AFPD Tower 56 specifications shall be used in the analysis.
- The outer wheel path shall provide a minimum of a one-foot (1'-0") horizontal clearance to curbs.
- The front and rear bumper overhangs shall provide a minimum of a three-foot (3'-0") horizontal clearance to any structure, obstruction (i.e., light pole, sign, hardscape) or vehicle.