

Underlined material is that portion being added.

~~[Bracketed and strikethrough]~~ material is that portion being deleted.

BILL NO. _____

SUMMARY - An ordinance to amend Title 22, Chapter 22.16 [~~Amusement and Transportation Systems Code~~] Amusement Ride and People Mover of the Code of Clark County by deleting Chapter 22.16 in its entirety and adopting a new Chapter 22.16; and providing for other matters properly relating thereto.

ORDINANCE NO. _____

AN ORDINANCE TO AMEND TITLE 22, CHAPTER 22.16 OF THE CLARK COUNTY CODE BY DELETING CHAPTER 22.16 IN ITS ENTIRETY AND ADOPTING A NEW CHAPTER 22.16 ENTITLED [~~AMUSEMENT AND TRANSPORTATION SYSTEMS~~] AMUSEMENT RIDE AND PEOPLE MOVER CODE WHICH ADOPTS NATIONAL STANDARDS FOR THE DESIGN, MANUFACTURING, OPERATIONS, TESTING, MAINTENANCE, INSPECTIONS, QUALITY ASSURANCE, CLASSIFICATION OF INJURIES, ADOPTING OTHER STANDARDS AND IMPOSING PENALTIES; AND PROVIDING FOR OTHER MATTERS PROPERLY RELATING THERETO.

THE BOARD OF COUNTY COMMISSIONERS OF THE COUNTY OF CLARK, STATE OF NEVADA DOES HEREBY ORDAIN AS FOLLOWS.

SECTION 1. Title 22, Chapter 22.16 of the Clark County Code is deleted in its entirety. All permits, Certificates of Operation, approvals, enforcement actions, and compliance obligations lawfully issued or in effect under former Chapter 22.16 shall remain valid and enforceable under this Chapter until modified, revoked, or replaced in accordance with law.

SECTION 2. Title 22. Chapter 22.16 is adopted to read as follows:

AMUSEMENT RIDE AND PEOPLE MOVER [~~TRANSPORTATION SYSTEMS~~] CODE

Sections:

22.16.010 Purpose:

22.16.020 Scope:

22.16.030 Definitions:

22.16.040 Referenced Codes [~~Other Adopted Codes.~~]

22.16.050 General [~~Owner/Operators.~~]

22.16.060 Other Laws [~~Prohibited Use Notice and Resolution.~~]

22.16.070 Application of References [~~Appeals.~~]

22.16.080 Referenced Codes and Standards [~~Adoption of Standards for Application Information Provisions.~~]

22.16.090 Conflicts [~~Adoption of Standard for Operation.~~]

- 22.16.100 [Provisions in Referenced Codes and Standards](#) [~~Adoption of Standard for Performance Testing.~~]
- 22.16.110 [Amusement Ride and People Mover Built to Other Standards](#) [~~Adoption of Standards for Maintenance.~~]
- 22.16.120 [Submittal of Application for ARPM Permits](#) [~~Adoption of Standards for Inspection.~~]
- 22.16.130 [Engineering Requirements](#) [~~Adoption of Standards for Design and Manufacture.~~]
- 22.16.140 [Permit Review](#) [~~Adoption of Standards for Manufacturer Quality Assurance Program.~~]
- 22.16.150 [Construction](#) [~~Adoption of Standards for the Classification of Amusement Ride and Device Related Injuries and Illnesses.~~]
- 22.16.160 [Quality Assurance Program Requirements](#) [~~Adoption of Standards for Used Rides.~~]
- 22.16.170 [Installation Inspections](#) [~~Adoption of Standard for Concession Go-Karts.~~]
- 22.16.180 [Qualified Individual Responsibilities](#) [~~Adoption of Standard for Measuring the Dynamic Characteristics of Amusement Rides and Devices.~~]
- 22.16.190 [Commissioning Inspection](#) [~~Adoption of Standard for Design of Amusement Rides and Devices~~]
- 22.16.200 [Certificate of Operation](#) [~~Adoption of Standards for Aerial Tramways, Aerial Lifts, Surface Lifts, Tows and Conveyors — Safety Requirements.~~]
- 22.16.210 [Operation Requirements](#) [~~Adoption of Standard for Funiculars.~~]
- 22.16.220 [Evacuation Requirements](#) [~~Adoption of Standard for Fixed Guideway Transit Systems.~~]
- 22.16.230 [Operation and Maintenance Manuals, Checklists, and Inspection Requirements](#) [~~Adoption of Standard for Automated People Movers, Part 1.~~]
- 22.16.240 [Yearly Inspections](#) [~~Adoption of Standard for Automated People Movers, Part 2.~~]
- 22.16.250 [Modification](#) [~~Adoption of Standard for Automated People Movers, Part 3.~~]
- 22.16.260 [New ARPM Permit Requirements](#) [~~Adoption of Standard for Bungy Jumping.~~]
- 22.16.270 [Notification](#) [~~Adoption of Standard for Flame Effects.~~]
- 22.16.275 [Notification Exception](#)
- 22.16.280 [Prohibited Use Notice and Resolution](#) [~~Amusement or Transportation System with Insufficient Data or Built to Other Standards.~~]
- 22.16.290 [Revocation of Certification](#) [~~Requirements for an attraction.~~]
- 22.16.300 [Appeals](#) [~~Penalties.~~]
- 22.16.310 [Penalties.](#)

22.16.010 **Purpose.** [Clark County Building Administrative Code, Section 22.02.165, Grading, Construction, or Installation Permits Required](#), permits are required for Amusement Ride and People Mover (ARPM) Permits.

This chapter establishes minimum standards for the design, construction, alteration, maintenance, operation, plan review, inspections, and the issuance of Amusement [Ride](#) and [People Mover](#) [~~Transportation—Systems~~] Permits and Certificates of Operation [~~for amusement and transportation systems and attractions~~]. It is intended to protect the public's safety, health and general welfare by setting certain standards for structural strength, stability, and safety relative to life and property hazards related to the installation, construction, maintenance, alteration, repair, removal, and use of amusement or transportation systems.

22.16.020 Scope. Unless otherwise exempted, the provisions and adopted standards of this chapter shall apply to all amusement rides, people movers, [~~or transportation systems~~] and attractions erected or installed for a period of 30 days or longer. [~~Amusement and Transportation Systems (ATS) with a submitted application or an ATS permit are not eligible for this exemption.~~]

This chapter may be referenced as the Amusement Ride and People Mover [~~Transportation Systems~~] Code of Clark County.

The provisions of this chapter shall not be held to deprive any federal or state agency, or any applicable governing body having jurisdiction, of any power or authority which it had on the effective date of this code or of any remedy for the enforcement of its orders, nor shall it deprive any individual, entity, or corporation of its legal rights as provided by law. ARPM that are regulated by applicable governing bodies having jurisdiction are exempted from this code. [~~These provisions are not intended to regulate public transportation means which are already regulated by the State of Nevada Transportation Service Authority.~~]

This code shall be considered as a technical code whose administrative provisions are generally contained in the Building Administrative Code of Clark County, Chapter 22.02, where not specified differently herein.

Nothing in this Chapter shall be construed to conflict with or be less stringent than applicable requirements of NRS 455B or regulations adopted thereunder.

22.16.030 Definitions. For the purposes of this chapter, the words and terms defined in this section have the meanings ascribed to them herein or the Building Administrative Code or other adopted technical codes. When terms are not defined, they shall have their ordinarily accepted meanings within the context in which they are used. Webster's Third New International Dictionary of the English Language, Unabridged, copyright 1986, shall be considered as providing ordinarily accepted meanings.

ATTRACTION is an interactive device that contains elements such as a moving stage, hydraulics, pneumatics, fire spectacles or other devices designed to entertain.

AMUSEMENT RIDE OR DEVICE is a device or combination of devices or elements that interact, carry, convey, or direct a person(s) over or through a fixed or restricted course or within a defined area.

AUTOMATED PEOPLE MOVER: A guided transit mode designed, tested, and commissioned in compliance with ASCE 21 under full automated train control operation, featuring vehicles that operate with exclusive right-of-way on guideways, as defined herein.

AUTOMATIC TRAIN CONTROL: An integrated control system fully designed, verified and demonstrated, and commissioned in accordance with ASCE 21 for automatically controlled train movement, enforcing train safety, and directing train(s) operation(s). Includes subsystems for automatic train operation, automatic train protection, and automatic train supervision and supervisory control and data acquisition.

GUIDEWAY: That portion of the transit, passenger rail line, aerial or surface ropeway, railway, trainway, tramway, tunnelway, track, or other system's riding surface (including supporting structure) included within the right-of-way fences, outside lines of curbs or shoulders, underground tunnelways and stations, cut or fill slopes, ditches, troughs, channels, and waterways, and including all appertaining stations, structures, buildings, or pathways that support, physically guide, or restrict the movement of people mover transit vehicles or trains specially designed or designated to travel exclusively on it for the movement of passengers.

INJURY: Sustained bodily harm resulting in treatment such as trauma, cuts, bruises, burns, and sprains.

~~[AMUSEMENT PARK means a tract or area used principally as a permanent location for amusement systems, amusement buildings or transportation systems.~~

~~MAJOR MODIFICATION of an ATS is any change in either the structural or operational characteristics of the ATS which will alter its performance from that specified in the manufacturer's design criteria, including ride control, software, speed, direction, or dynamic characteristics.~~

~~MINOR MODIFICATION of an ATS is any change that does not alter the structural or operational characteristics nor change its performance from that specified in the manufacturer's design criteria, and does not meet the definition of a major modification. A minor modification may require changes to the operation and/or maintenance manual(s) and re-inspection of the ride.]~~

OPERATIONS AND MAINTENANCE MANUAL(S) means one or more manuals in English approved by the Building Official or their designee ~~[the department]~~ which specify operational instruction, testing performance, and maintenance requirements ~~[what]~~ the Owner/Operator will follow to ensure proper maintenance and safe operation in order to meet the standards of this chapter.

OWNER/OPERATOR means the owner, operator, lessee, or the person having custody or control of the ATS.

PEOPLE MOVER (PM): A guided transit mode and designed, tested, and commissioned exclusively for the movement of passengers, featuring surface or aerial trams, funiculars, trains, apparatus, or vehicles that operate along, around, or over fixed, designated, and restricted guideways, as defined herein, with exclusive right-of-way, and other systems as designated by the Building Official.

~~[PROPERLY MAINTAINED means maintained in accordance with the requirements of the approved Operations and Maintenance Manual(s).]~~

QUALIFIED INDIVIDUAL means a designated representative(s) of the owner/operator of an ~~[ATS]~~ ARPM who is a technically qualified person accountable to the owner and approved by Building Official or their designee ~~[Clark County]~~ for the operation and maintenance of an ARPM ~~[ATS as noted in 22.16.050 (B)]~~

SERIOUS INJURY is a personal injury that results in death, dismemberment, significant disfigurement, permanent loss of the use of a body organ, member, function, or system, a compound fracture, or other significant injury that requires immediate admission and overnight hospitalization and observation by a licensed physician.

TECHNICAL GUIDELINES Technical Guidelines are administrative guidelines promulgated by the Building Official to carry out the purpose and provisions of this Chapter. Technical Guidelines shall not conflict with this Chapter or any codes or standards adopted by ordinance, and shall not establish new substantive requirements not authorized by this Chapter or by ordinance of the Board of County Commissioners.

UNSCHEDULED CESSATION is a rare, unusual, unprompted, unanticipated, or irregular stopping of an ARPM ~~[ATS]~~ operation at a non-designated stopping point, which requires emergency response, enactment of emergency protocols, or potentially hazardous in nature, or both, due to its cause, method or result.

22.16.040 Referenced Codes. The other codes referenced elsewhere in this code shall be considered to be part of the requirements of this code to the prescribed extent of each such reference. ~~[Other Adopted Codes. The ATS regulated by this chapter as a technical code shall conform to the requirements of all other adopted technical codes of the department as they may apply to an installation. Where conflicting codes exist, the most restrictive code shall apply.]~~ Referenced codes and standards shall be the editions adopted by the Board by ordinance and in effect on the date of adoption of this Chapter.

22.16.050 General. Where there is a conflict between a general requirement and a specific requirement, the specific requirement shall be applicable. Where, in any specific case, different sections of this code specify different materials, methods of construction or other requirements, the most restrictive shall govern.

[Owner/Operators.

Owner/Operator's Responsibilities. ~~The owner/operator responsibilities shall include, but not be limited to, ensuring that each ATS is operating correctly, inspected, properly maintained, and properly operated as specified in the approved Operations and Maintenance Manual(s) and this chapter, designating a qualified individual for each ATS, and determining when use of an ATS should be discontinued.~~

Qualified Individual Responsibilities. ~~The qualified individual shall be the designated technical representative of the owner/operator with respect to a specified ATS. This individual shall be responsible for having full operational knowledge of the ATS and responsibility for maintenance at all times that the ATS is in use. The qualified individual shall be an on-site employee of the owner/operator, the owner/operator, the manufacturer, or a contracted maintenance company. This individual is responsible for providing all reports to Clark County as described herein.]~~

22.16.060 Other Laws. The provisions of this code shall not be deemed to nullify any provisions of local, state or federal law. [Prohibited Use Notice and Resolution.]

[Prohibited Use Notice. ~~Where the Building Official determines an ATS is not in compliance with the requirements and provisions of this chapter, the applicable technical codes, the Building Administrative Code, the approved Operations and Maintenance Manual(s) or an accident has occurred which has resulted in a fatality, injury, ATS damage, or unscheduled cessation, the Building Official may declare that the continued operation of the ATS is prohibited. Upon receipt of a Prohibited Use Notice, the owner/operator and Qualified Individual shall immediately cease operation of the ATS.~~

Out-of-Service Seal. ~~Upon issuance of a Prohibited Use Notice, the Building Official shall cause to be affixed to the control panel, or other location an Out-of-Service Seal(s) stating that the ATS shall not be used. Upon written approval of the Building Official testing or inspection may occur under this notice. In the event that the owner/operator does not adequately secure the ATS, then the Building Official may in his discretion cause one or more Out-of-Service Seal(s) to be placed across the entrance(s) to such ATS. Such notice and seals shall not be removed except by order of the Building Official after the ATS has been repaired, re-inspected and approved as operational.~~

Method of Resolution. ~~Once the owner/operator has effected a repair of all deficiencies identified in the Prohibited Use Notice, the owner/operator shall notify the department and request an inspection. When the deficiencies are found to be corrected and required tests are completed successfully, then the Out-of-Service Seal(s) shall be removed immediately.]~~

22.16.070 Application of References. References to chapter or section numbers, or to provisions not specifically identified by number, shall be construed to refer to such chapter, section or provision of this code.

[Appeals. ~~The owner/operator may appeal orders, decisions or determinations made by the Building Official relative to the application and interpretations of this code to the Combined Board of Building Appeals as provided in the Building Administrative Code of Clark County. The pendency of the appeal shall not result in the removal of the Out-of-Service Seal. Failure of the owner/operator to file an appeal within twenty days of the date of issue of a Prohibited Use Notice shall be a waiver of subsequent administrative redress. Upon written appeal, the Combined Board of Building Appeals shall schedule a hearing.]~~

22.16.080 Referenced Codes and Standards. The codes and standards referenced in this code shall be considered to be part of the requirements of this code to the prescribed extent of each

such reference and as further regulated in 22.16.100 and 22.16.110. Referenced codes and standards shall be the editions adopted by the Board by ordinance and in effect on the date of adoption of this Chapter.

~~[Adoption of Standard for Physical Information to be Provided for Amusement Rides and Devices. That certain document being marked and designated as the American Society for Testing and Materials (ASTM) Standard F698-94 (Re-approved 2000), Standard Specification for Physical Information to be Provided for Amusement Rides and Devices, is hereby adopted by reference as a part of this chapter.]~~

22.16.090 Conflicts. Where conflicts occur between provisions of this code and referenced codes and standards, the provisions of this code shall apply

~~[Adoption of Standard for Ownership and Operation. That certain document being marked and designated as the American Society for Testing and Materials (ASTM) Standard F770-06a, Standard Practice for Ownership and Operation Procedures for Amusement Rides and Devices, is hereby adopted with the following amendments:~~

~~A new section is added to read as follows:~~

~~11.0 REQUIRED DOCUMENTS~~

~~11.1 Copies of all items identified in this standard shall be presented to the department for review and approval. All such documents shall be a part of the ATS Permit application package and are a required part of the total plan submittal package. The plans for construction may not be approved nor any permits issued until the information required herein is submitted, reviewed and approved.~~

~~11.2 Copies of the Clark County approved operation and maintenance manual(s) identified in this standard shall be maintained at all times with the ATS or at a location near the ATS approved by the Building Official. These documents shall be made available for review by the Building Official, his authorized agent or other concerned county agencies upon request during normal operating hours.~~

~~11.3 A copy of the emergency procedure shall be filed with the department to meet the intent of the standard included herein.~~

~~11.4 The owner/operator shall retain quality assurance documentation, such as material certification test reports, inspection records, and reports for the life of the ATS while under his/her control. Upon sale or other transfer of the ATS, the owner/operator shall transfer these quality assurance documents to the new owner/operator.]~~

22.16.100 Provisions in Referenced Codes and Standards. Where the extent of the reference to a referenced code or standard includes subject matter, that is within the scope of this code, the provisions of this code, as applicable, shall take precedence over the provisions in the referenced code or standard. Referenced codes and standards shall be the editions adopted by the Board by ordinance and in effect on the date of adoption of this Chapter.

~~[Adoption of Standard for Testing Performance. That certain document being marked and designated as the American Society for Testing and Materials (ASTM) Standard F846-92 (Re-approved 1998), Standard Guide for Testing Performance of Amusement Rides and Devices, is hereby adopted with the following amendments:~~

~~Section 7, Paragraph 7.1, is amended to read as follows:~~

~~The manufacturer of the ATS shall develop specific operational tests along with minimum intervals for these tests to be performed that will allow the owner/operator of the ATS to determine whether a given ATS is operating within prescribed operational limits. Testing as prescribed by the manufacturer shall be performed or observed by a Clark County approved third party testing agency for initial installation and subsequent testing. When required by the approved Operations and Maintenance Manual(s), the owner/operator shall cause an approved third party agency to perform or observe testing and/or inspection.]~~

22.16.110 Amusement Ride and People Mover Built to Other Standards. When the ARPM was built to other standards, the owner/operator or their designated representative shall provide such information as the Building Official or their designee, shall determine to be appropriate. Such information shall conform to the intent of this chapter and shall include engineering analysis and calculations, testing programs, and inspections of the ARPM, as appropriate. When the owner/operator has one or more published standards under which the ARPM was designed and built, then the owner/operator shall submit the official hardbound standard(s) along with the proposed design, calculations, testing and inspection documentation and plans for review under the provisions of the Clark County Building Administrative Code section 22.02.075, Alternate Materials and Methods of Construction, Modifications, and Tests. A Nevada Registered Design Professional shall review, and seal all required documentation. The Nevada Registered Design Professional shall provide a justification in accordance with the Amusement Ride or Device Analysis or People Mover Safety Program Plan and Hazard Resolution Process that the other standards meet the requirements of this Code. The Building Official or their designee, shall review the submittal and determine acceptability. Methods for complying with the requirements of this chapter are found in the *technical guidelines*.

~~[Adoption of Standard for Maintenance. That certain document being marked and designated as the American Society for Testing and Materials (ASTM) Standard F85305, Standard Practice for Maintenance Procedures for Amusement Rides and Devices, is hereby adopted with the following amendment: Section 4, Paragraph 4.1, Subparagraph 4.1.14 is amended to read as follows:~~

~~Supplemental notification bulletins delivered by the manufacturer of an ATS to the owner/operator that were not provided at the time of sale and contain new information or newly recommended inspections or testing, or both, shall be provided to the department on request with maintenance bulletins or similar documents originated by the manufacturer of the ATS after its initial installation.]~~

22.16.120 Submittal of Application for ARPM Permits. The owner/operator shall apply for an ARPM permit. The final determination of the device classification shall be made by the Building Official or their designee.

- a. During the initial permit application submittal review, the required permit type will be determined to be one or more of the following:
 1. ARPM renewable permit
 2. Fire Operational renewable permit
 3. Business License
 4. Building permit as required in Clark County Building Administrative Code
- b. Devices classified for use as amusement ride, devices, or people mover must obtain all appropriate permits and inspections required for installation, inspection, and testing.
 1. ARPM permit exclusions are listed under Section 22.02.215 of the Building Administrative Code.
 2. For attractions, where patrons do not have available emergency egress, an ARPM permit will be required.
- c. Buildings that house an amusement ride, device, or attraction must be classified with a use as an Amusement Building per the currently adopted International Building Code.

~~[Adoption of Standard for Inspection. That certain document being marked and designated as the American Society for Testing and Materials (ASTM) Standard F89305a, Standard Guide for Inspection of Amusement Rides and Devices, is hereby adopted with the following amendments:~~

~~Section 5, Paragraph 5.1.1, is amended to read as follows:~~

~~The manufacturer of an ATS shall have a written quality assurance program for use in conjunction with the design, manufacture, construction, modification, or reconditioning of the amusement ride or device. A copy of the manufacturer's written quality assurance program shall be submitted at the time of Amusement and Transportation Systems Permit application for review and~~

approval. The Building Official may also require that the quality assurance program be amended and brought into conformance with the adopted and published technical guidelines or other requirements of Clark County prior to the approval of any ATS:

Section 5, Paragraph 5.1.3.1, is amended to read as follows:

~~5.1.3.1 Any changes in the procedures prescribed in 5.1.3 deemed essential by the manufacturer due to information not available to the manufacturer at the time of delivery shall be communicated in writing to the owner/operator and to the department.~~

Section 5, Paragraph 5.1.5, is amended to read as follows:

~~Upon notification from an owner/operator of an incident involving a critical component, the manufacturer of an ATS shall promptly evaluate this information and disseminate the findings to the original owner/operator along with any pertinent recommendations to all known owner/operators. The owner/operator shall provide the findings to the department.]~~

22.16.130 Engineering Requirements. A Nevada Design Professional shall provide or ensure the necessary expertise to review the subsystem designs (i.e. civil, controls, mechanical, electrical, power, structural, etc.).

- a. When the APRM is not designed by an appropriate Nevada Design Professional, a Nevada Design professional shall review all documents and state that the design is in conformance with this chapter and other applicable standards. A report prepared by and stamped with the seal of the appropriated Nevada Design Professional describing the review process shall be included with the submittal.
- b. Other proof of adequacy of design such as testing, prototyping, product listing or any other appropriate documentation may be required or accepted by the Building Official or their designee in addition to or in lieu of engineering design or calculations.

~~**[Adoption of Standard for Design and Manufacture.** That certain document being marked and designated as the American Society for Testing and Materials (ASTM) Standard F1159-02, Standard Practice for Design and Manufacture of Amusement Rides and Devices, is hereby adopted.~~

~~Section 1 Scope is amended by the addition of a new Section 1.3:~~

~~1.3. This standard applies to rides which conform to areas 1 and 2 as shown in FIG. 2 of ASTM Standard F2291-05, referenced in Section 22.16.190.~~

~~A new paragraph 4.4 is added to read as follows:~~

~~4.4 Engineering Review — When the ATS is not designed by a Nevada licensed engineer, a Nevada licensed engineer shall provide or ensure the necessary expertise to review subsystem design (i.e. civil, controls, mechanical, electrical, power, structural, etc.). The Nevada licensed engineer shall ensure subsystem integration compatibility and the overall system to verify that the design is in conformance with this chapter and other applicable standards. A report prepared by and stamped with the seal of the Nevada licensed engineer describing the review process shall be included with the submittal. Other proof of adequacy of design such as testing, product listing or any other appropriate documentation may be required or accepted by the Building Official in lieu of engineering design or calculations.]~~

22.16.140 Permit Review. The submittal package shall be presented to Clark County Building Department for review and approval. The permit shall not be issued until all the required information is submitted, reviewed, and approved by Building Official or their designee. Sealed Amusement Ride and People Mover Documents:

- a. Statement of Design, the appropriate Nevada Design Professional, acting as the Principal Design Professional shall provide a sealed letter stating that the amusement ride and people mover, has been designed and is in compliance to the applicable ASTM, ANSI, NFPA, AISC, ASCE, UL, or other nationally recognized standards.
- b. Site Plan
- c. Operation and Maintenance manual

d. Other documents required by the applicable codes and standards.

~~[Adoption of Standard for Quality, Manufacture and Construction of Amusement Rides and Devices Quality Assurance Program. That certain document being marked and designated as the American Society for Testing and Materials (ASTM) Standard F1193-06, Standard Practice for Quality, Manufacture, and Construction of Amusement Rides and Devices is hereby adopted. It is the intent of the Building Official that ATS manufacturers shall maintain a quality assurance program that is satisfactorily equivalent to the Building Administrative Code's section entitled Approved Fabricator/Manufacturer. Documentation that the manufacturer meets this standard shall be furnished to the department at the time of Amusement or Transportation System Permit application.]~~

22.16.150 Construction.

- a. Shall demonstrate compliance with codes and manufacturer's specifications and obtain all permits and inspections prior to public operation.
- b. Must be built of materials and comply with material specifications appropriate to the building where the ARPM is located.
- c. All unlisted or uncertified components shall be labeled using appropriate standards by a nationally recognized testing laboratory (NRTL), safety consulting, Recognized Standardization Organization (RSO) or certification agency.

~~[Adoption of Standard for the Classification of Amusement Ride and Device Related Injuries and Illnesses. That certain document being marked and designated as the American Society for Testing and Materials (ASTM) Standard F1305-94 (Re-approved 2002), Standard Guide for The Classification of Amusement Ride and Device Related Injuries and Illnesses, is hereby adopted with the following amendments:~~

~~Sections 2.1.1, 2.1.3, 3, 4.2 and 5 are not adopted.~~

~~Section 2.1.4 is modified to add the following sentences:~~

~~*Simple Fractures*—A simple fracture of any bone shall be reported as a serious injury. Toxic inhalation shall be considered a serious injury.~~

~~Section 4 is amended to add the following:~~

~~4.3.1.9 Damage to equipment, and the owner/operator's expected actions to repair or take out of service.~~

~~4.4 It shall be the responsibility of the owner/operator to maintain all reports specified by this standard.~~

~~Section 7 a new section is added to read as follows:~~

~~Clark County Notification~~

~~Each ride shall post at the operator's station the Emergency Response Notification sheet provided by Clark County.~~

~~**Reporting fatalities.** The owner/operator shall close down the ATS immediately and report any fatality occurring on an ATS as soon as possible but no later than four (4) hours after the incident by telephone to the Building Official or his designee. The verbal report shall be followed by a written report to the Building Official within two (2) days. The ride shall remain closed until written authorization is obtained from the Building Official to resume operations.~~

~~**Reporting Serious Injuries.** When a serious injury occurs, the owner/operator shall report the incident as soon as possible but no later than four (4) hours by telephone to the Building Official or his designee. The verbal report shall be followed by a written report to the Building Official within five (5) days.~~

~~**Reporting Unscheduled Cessation, Structural, Mechanical, or Electrical Equipment, Damage.** The owner/operator shall report unscheduled cessation or damage as soon as possible but no later than four (4) hours by telephone to the Building Official or his designee. The owner/operator shall file a report to the Building Official or his designee within five (5) days of any unscheduled cessation or damage to an ATS. This reporting requirement excludes normal maintenance activities.~~

~~**Action upon notification.** Upon notification of a fatality, serious injury, unscheduled cessation or a damage report, the Building Official or his designee shall determine whether the ATS shall be sealed out of service by a Prohibited Use Notice. The owner/operator is responsible to fully inspect the ATS, make any corrective repairs, and test components and operation as specified in this chapter and the~~

~~Operation and Maintenance Manual(s). The owner/operator has the burden to ensure that the ATS meets all requirements for a return to service prior to requesting department inspection.]~~

22.16.160 Quality Assurance Program Requirements. In addition to the utilized standard(s), the owner/operator shall comply with the following:

- a. The manufacturer's quality assurance program shall include verification and documentation that manufacturing for the ARPM conforms to the design criteria.
- b. Prior to shipping of the ARPM, the manufacturer shall generate a document certifying that the fabrication or manufacturer of the ARPM is in conformance with the utilized standard or manufacturer quality assurance program acceptable to the Building Official or their designee.
- c. The owner/operator shall obtain and provide the certification documents for manufacturers involve in the ARPM to the Clark County approved agency. All certifications shall be included in the Final Report to be provided to Clark County Building Department for review and acceptance.

~~[Adoption of Standard for Used Rides. — That certain document, three copies of which are on file in the office of the county clerk, said copies being marked and designated as the American Society for Testing and Materials (ASTM) Standard F1950-99, Standard Specification for Physical Information to be Transferred With Used Amusement Ride and Devices, is hereby adopted by reference as a part of this chapter.]~~

22.16.170 Installation Inspections.

All ARPM's shall be inspected in accordance with the requirements of the technical codes, the approved Operations and Maintenance Manual(s), and any requirement of the permit. The inspections shall be conducted by the Building Official or by an approved inspection agency, as directed by the Building Official.

~~[Adoption of Standard for Concession Go-Karts. That certain document being marked and designated as the American Society for Testing and Materials (ASTM) Standard, F2007-07, Standard Practice for the Classification, Design, Manufacture, and Operation of Concession Go-Karts and Facilities, is hereby adopted by reference as a part of this chapter.]~~

22.16.180 Qualified Individual Responsibilities. All permits shall have a designated Qualified Individual (QI). The owner/operator shall designate a primary Qualified Individual by providing a letter to Clark County Building Department on company letterhead providing the full name and contact information of the individual. The Qualified Individual shall be the designated technical representative of the owner/operator with respect to a specified ARPM. This individual shall be responsible for having full operational knowledge of the ARPM and responsibility for maintenance at all times that it is in operational use. The Qualified Individual shall be an on-site employee of the owner/operator. The person shall demonstrate knowledge of the ARPM and be approved by the Building Official or their designee. This individual is responsible for providing all reports to Clark County Building Department as described herein and coordinating inspections with the approved inspection agency and Clark County Building Department staff. Upon separation of a Qualified Individual on staff, the owner/operator shall immediately designate a new QI as noted above. The ARPM shall not be operated without an approved Qualified Individual.

~~[Adoption of Standard for Measuring the Dynamic Characteristics of Amusement Rides and Devices. — That certain document being marked and designated as the American Society for Testing and Materials (ASTM) Standard, F2137-01 Standard Practice for Measuring the Dynamic Characteristics of Amusement Rides and Devices, is hereby adopted by reference as a part of this chapter.]~~

22.16.190 Commissioning Inspection. A testing program consisting of normal operation and worst-case scenarios shall be developed by Clark County Building Department to verify the ARPM operates as designed.

- a. When a scenario has been designed by others, the design professional shall review the testing program.
- b. Operational staff must demonstrate that the normal operation and worst-case scenarios procedures are effectively performed per the Clark County approved operational manuals and emergency evacuation plan.
- c. Commissioning testing is performed with Clark County Building Department staff. Commission testing shall include simulated passenger loading and operational scenarios.
- d. Commissioning testing is the last inspection prior to full operational approval and issuance of Certificate of Operation.

[Adoption of Standard for Design of Amusement Rides and Devices.

~~That certain document being marked and designated as the American Society for Testing and Materials (ASTM) Standard, F2291-05, Standard Practice for Design of Amusement Rides and Devices, is hereby adopted by reference as a part of this chapter.~~

~~Section 1 Scope is amended by the addition of new Sections 1.6 and 1.7.~~

~~This standard may involve hazardous materials, operations and equipment. Where such substances or operations are involved, the requirements of International Building Code Section 307 and other appropriate sections of the International Building Code and the Fire Code shall apply.~~

~~This standard applies to rides which conform to areas 3, 4 and 5 as shown in FIG. 2.~~

~~A new paragraph 5.1.1.4 is added to read as follows:~~

~~5.1.1.4 Passenger Evacuation— The ride analysis shall address passenger evacuation and shall provide an egress platform, stairway, walkway, elevator, scissors lift, ladder or other acceptable means to safely evacuate passengers from all positions during an unscheduled cessation.~~

~~A new paragraph 5.5.3 is added to read as follows:~~

~~5.5.3 Engineering Review—When the ATS is not designed by a Nevada licensed engineer, a Nevada licensed engineer shall provide or ensure the necessary expertise to review subsystem design (i.e. civil, controls, mechanical, electrical, power, structural, etc.). The Nevada licensed engineer shall ensure subsystem integration compatibility and the overall system to verify that the design is in conformance with this chapter and other applicable standards. A report prepared by and stamped with the seal of the Nevada licensed engineer describing the review process shall be included with the submittal. Other proof of adequacy of design such as testing, product listing or any other appropriate documentation may be required or accepted by the Building Official in lieu of engineering design or calculations.~~

~~A new sentence is added to Paragraph 6.3.1 of ASTM 2291-05 to read as follows:~~

~~6.3.1 A rider restraint system, individually adjustable to the girth of the rider, may be required by the Building Official, based on a review of the unique operating characteristics of each particular ATS. The Building Official may require the use of two independent restraints.~~

~~Add a new section 11.3.1.6 to ASTM 2291-05 to read as follows: 11.3.1.6~~

~~ATS Control System Review~~

~~11.3.1.6.1 The ATS control system shall be reviewed by an engineer registered in the state of Nevada or an agency acceptable to the department.~~

~~11.3.1.6.2 The analysis and conclusions of the review shall be provided to the department.~~

~~11.3.1.6.3 A testing program consisting of normal operation and worst case scenarios shall be developed to verify the ATS control system operates as designed. If the scenario has been designed by others, the design professional shall review the testing program.~~

~~Section 18 Unlisted or Uncertified Components is hereby added and shall read as follows:~~

~~18. Unlisted or Uncertified Components. All unlisted or uncertified components shall be labeled using appropriate standards by a Nationally recognized agency.]~~

22.16.200 Certificate of Operation. Upon completion of all work and approval of all required installation inspections, a Certificate of Operation shall be issued per Clark County Building Administrative Code section 22.02.215, Amusement Ride and People Mover Certificate of Operation. A valid Certificate of Operation is required for the operation of an ARPM after the approval of the Building Final inspection. Certificate of Operation is valid for 1 year. The ARPM operator must apply for Certificate of Operation renewal on a yearly basis. An annual inspection report by a Clark County approved inspection agency must be submitted with the renewal application. Methods for complying with the requirements of this chapter are found in the *technical guidelines*.

~~[Adoption of Standard for Aerial Tramways, Aerial Lifts, Surface Lifts, Tows and Conveyors — Safety Requirements. That certain document being marked and designated as the American National Standards Institute (ANSI) Standard B77.1-2006, American National Standard for Passenger Ropeways Aerial Tramways, Aerial Lifts, Surface Lifts, Tows and Conveyors — Safety Requirements, is hereby adopted.]~~

22.16.210 Operation Requirements. In addition to the requirements of the applied standard(s) or equivalent, the owner/operator shall comply with the following:

- a. The Evacuation Plan shall be posted in a readily accessible central location to operators.
- b. A copy of the Certificate of Operation and the Clark County approved documents shall be maintained at all times with the ARPM or at a location approved by the Building Official or their designee. These documents shall be made available for review by the Building Official, their designee, authorized agent, inspection agency, or other concerned county agencies upon request.
- c. The owner/operator shall retain quality assurance documentation, such as structural drawings, welding procedures, material certification test reports, inspection records, operation records, and maintenance records, for the life of the ARPM while under their control.
- d. Upon sale or other transfer of the ARPM the owner/operator shall transfer the quality assurance documents and the approved documents to the new owner/operator.
- e. The owner/operator shall document and retain training records for a three-year period.
- f. Training exercises and drills shall be conducted at least twice per year, during the annual inspection and at least one additional time during the year by the operator. Exercises shall include the staff. The drills shall be documented and be conducted at various locations for different emergency scenarios. Building Official or their designee may require additional training exercises and drills as deemed necessary.
- g. Supplemental notification bulletins delivered by the manufacturer of an ARPM to the owner/operator that were not provided at the time of sale or initial installation shall be provided to Clark County Building Department, on request or with the annual renewal application.
- h. Devices may involve hazardous materials, operations and equipment. Where such substances or operations are involved, the requirements of International Building Code section 307 and other appropriate sections of the International Building Code and the Fire Code shall apply. Additional permits may be required.

~~[Adoption of Standard for Funiculars. That certain document being marked and designated as the American National Standards Institute (ANSI) Standard B77.2-2004, American National Standard for Funiculars — Safety Requirements, is hereby adopted.]~~

22.16.220 Evacuation Requirements: In the event of a fire alarm or signal;

- a. Shall stop all confusing sounds, movements, and show elements and reset to its original loading/unloading position or alternate position if original position is unsafe.
- b. Operators shall direct patrons to the exit per the evacuation plan.

- c. Exits must be illuminated and visible. Additional exit signs and directional markings may be required.
- d. Lighting shall be restored to a level equivalent to the building requirements prior to the ARPM being run.

~~[Adoption of Standard for Fixed Guideway Transit Systems. That certain document being marked and designated as the National Fire Protection Association, Inc., NFPA 1302007, Standard for Fixed Guideway Transit and Passenger Rail Systems, is hereby adopted.]~~

22.16.230 Operation and Maintenance Manuals, Checklists, and Inspection Requirements. In addition to the utilized standard(s), the owner/operator shall comply with the following:

- a. The owner/operator shall use the manufacturer provided applicable operational instruction, testing performance, and maintenance requirements in the Clark County approved operations and maintenance manual(s) to create and utilize operation and maintenance checklists. The completed checklists shall be on file for review.
- b. Maintenance manuals shall include installation procedures and verification methods to confirm that critical components, hardware and fasteners are properly installed and retained.
- c. Checklists shall include procedures or methods to periodically verify components, hardware and fasteners remain effectively retained.
- d. The approved inspection agency shall use the manufacturer provided applicable operational instruction, testing performance, and maintenance requirements in the Clark County approved operations and maintenance manual(s) to perform their special inspections during the initial installation and annual renewal inspections. The approved inspection agency shall review the completed checklists to verify conformance with the approved operations and maintenance manual(s).
- e. Changes provided to the owner/operator deemed essential by the manufacturer due to information not available to the manufacturer at the time of delivery, shall be provided in writing to Clark County Building Department.

~~[Adoption of Standard for Automated People Movers. (Part 1) That certain document being marked and designated as the American Society of Civil Engineers, ASCE 21-05, Automated People Mover Standards—Part 1 (Operating Environment, Safety Requirements, System Dependability, Automatic Train Control, (ATC) and Audio and Visual Communications), is hereby adopted.]~~

22.16.240 Yearly Inspections. Inspections after issuance of the initial Certificate of Operation shall be in accordance with Clark County Building Administrative Code Section 22.02.490, Inspections of Amusement Ride and People Mover.

- a. For people movers, the following shall be required:
 - i. Verification of configuration compliance shall be verified in accordance with the utilized standard and shall be reported in the annual report.

~~[Adoption of Standard for Automated People Movers. (Part 2) That certain document being marked and designated as the American Society of Civil Engineers, ASCE 21-98, Automated People Mover Standards—Part 2 (Vehicles, Propulsion and Braking), is hereby adopted.]~~

22.16.250 Modification.

- a. Modifications for any change in either the physical, functional, structural or operational characteristics of the ARPM which will alter its performance from that specified in the manufacturer's design criteria, including ride control, software, speed, direction, or dynamic characteristics require a revision to the permit.
- b. A modification may require changes to the operation and/or maintenance manual(s)

and re-inspection of the ride. Prior to any modification being made, the following requirements shall be noted, observed, and followed:

1. QI shall notify Building Official or their designee, by means of an revision.
2. Modifications shall not be made to the ARPM until revisions for the modifications have been approved by Building Official or their designee.
 - i. Building Official or their designee will evaluate the modification revision.
 - ii. The existing approved ARPM configuration may continue to operate while the revision is being reviewed.
 - iii. When the revision is deemed to change the scope of the permit or is a change to the structural or dynamic characteristics, a new ARPM permit shall be required. The operation shall cease, unless otherwise approved by Building Official.
3. Inspections may be required to verify compliance to the approved revision design document(s), codes, and standards.
4. Hourly review, inspection, and regulatory fees shall be assessed.
5. New Certificate of Operation may be required to be reissued noting the modification.

~~[Adoption of Standard for Automated People Movers. (Part 3) That certain document being marked and designated as the American Society of Civil Engineers, ASCE 21-00, Automated People Mover Standards—Part 3 (Electrical, Stations, and Guideways), is hereby adopted.]~~

22.16.260 New ARPM Permit Requirements. When a new permit is determined to be required the current Certificate of Operation for the existing ARPM will be revoked, and then a new application and permit shall be required within the requirements of this code.

a. Change of ownership shall require a new ARPM permit, to include plan review, inspections, commissioning, and certificate of operation for the new owner/operator.

~~[Adoption of Standard for Bungy Jumping. That certain document being marked and designated as the Australian/New Zealand Standard, AS/NZS 5848:2000, Code of Practice for Bungy Jumping, is hereby adopted with the following amendment:~~

~~Add a new section 114.7.2 (h) to read as follows:~~

~~(h) When the exposure to daylight exceeds 250 hours.]~~

22.16.270 Notification. The owner/operator is required to report to the Clark County Building Department when the following occurs:

- a. **Fatalities.** The owner/operator shall close down the ARPM immediately and report any fatality occurring while riding/participating with the ARPM as soon as possible but no later than four (4) hours after the incident by email (dsengineer@clarkcountynv.gov) to the Building Official or their designee, unless impracticable due to emergency response or medical care. The ARPM shall remain closed until authorization is obtained from the Building Official or their designee to resume operation.
- b. **Amusement Ride, Device, and People Mover injuries during Loading, Operation, or Unloading.** Injuries which occurred while riding/participating with the ARPM shall be reported to the Building Official or their designee. The owner/operator shall report the injuries as soon as possible but no later than four (4) hours by email (dsengineer@clarkcountynv.gov) to the Building Official or their designee, unless impracticable due to emergency response or medical care.
 1. Component(s) involved with a serious injury shall be placed out of service.
- c. **Unscheduled Cessation or Controls System, Structural, Mechanical, Electrical Equipment failure or damage.** The owner/operator shall report unscheduled cessation or

damage as soon as possible but no later than forty eight (48) hours by email (dsengineer@clarkcountynv.gov) to the Building Official or their designee as an incident report. This reporting requirement excludes normal maintenance activities.

- d. **Security Breach.** The owner/operator shall report security breaches, that disrupts the operation, as soon as possible but no later than four (4) business days by email (dsengineer@clarkcountynv.gov) to the Building Official or their designee.
- e. **After notification of a Loading, Operation, or Unloading Serious Injuries.** Serious injuries involving, component, design, operation, or procedure, the owner/operator shall have the manufacturer or inspection agency evaluate the incident and ARPM. The evaluation shall be scheduled within two work days. The owner/operator shall obtain a report of the investigation, provide the findings and required recommendations to address, and mitigate, and prevent the incident from reoccurring. The owner/operator shall provide the findings to Clark County Building Department, as a revision to the permit.
- f. **CCBD Action upon notification.** Upon notification of a fatality, serious injury, injury, security breach, unscheduled cessation, or a damage report, the Building Official or their designee shall evaluate and determine whether the ARPM shall be sealed out-of-service by a Prohibited Use Notice.
 1. **Prohibited Use Notice.** The owner/operator is responsible to fully inspect, make any corrective repairs, test components, and verify safe operation as specified in this chapter and the Operation and Maintenance Manual(s). The owner/operator has the burden to ensure that the ARPM has been repaired, adjusted, modified, tested, and is ready to return to service prior to requesting a Clark County inspection.

~~[Adoption of Standard for Flame Effects. That certain document being marked and designated as the National Fire Protection Agency (NFPA) 160, Standard for Flame Effects Before an Audience, 2006 Edition is hereby adopted.]~~

22.16.275 Notification Exception. Facility-Related Injuries. Injuries which occurred unrelated to the ARPM while within the facility are not required to be reported to the Building Official or their designee.

22.16.280 Prohibited Use Notice and Resolution.

- a. **Prohibited Use Notice.** Where the Building Official or their designee determines an ARPM is not in compliance with the requirements and provisions of this chapter, the applicable technical codes, the Building Administrative Code, the approved Operations and Maintenance Manual(s) or an accident has occurred which has resulted in a fatality, injury, damage, or unscheduled cessation, the Building Official or their designee may declare that the continued operation of the ARPM is prohibited. Upon receipt of a Prohibited Use Notice, the owner/operator and Qualified Individual shall immediately cease operation of the ARPM.
- b. **Out-of-Service Seal.** Upon issuance of a Prohibited Use Notice, the Building Official or their designee shall cause to be affixed to the control panel, or other location a Sealed-Out-of-Service placard(s) stating that the ARPM shall not be used. Upon written approval of the Building Official or their designee, testing or inspection may occur under this notice. In the event that the owner/operator does not adequately secure the ARPM, then the Building Official or their designee may at their discretion cause one or more Sealed-Out-of-Service placard(s) to be placed across the entrance(s) to such ARPM. Such notice and seals shall not be removed except by order of the Building Official or their designee after the ARPM has been repaired, re-inspected and approved as operational.
- c. **Method of Resolution.** Once the owner/operator has effected a repair of all deficiencies

identified in the Prohibited Use Notice, the owner/operator shall notify Building Official or their designee and request an inspection. When the deficiencies are found to be corrected and required tests are completed successfully, then the Sealed-Out-of-Service placard(s) shall be removed immediately by the Building Official or their designee as noted above.

~~[Amusement or Transportation System Built to Other Standards. When the ATS was built to other standards, the owner/operator or his designated representative shall provide such information as the Building Official shall determine to be appropriate. Such information shall conform to the intent of this chapter and shall include engineering analysis and calculations, testing programs, and inspections of the ATS, as appropriate. When the owner/operator has one or more published standards under which the ATS was designed and built, then the owner/operator shall submit the standard(s) along with the design, calculations, testing and inspection data for review under the provisions of the Clark County Building Administrative Code, Chapter 22.02 for Alternate Materials and Methods of Construction, Modifications, and Tests.]~~

22.16.290 Revocation of Certification. Section 22.02.555 (E) Revocation of the Building Administrative Code shall dictate the process of certificate revocation.

~~[Requirements for an attraction.~~

~~Devices classified as an attraction must obtain all appropriate permits and inspections required for installation. In addition an attraction must demonstrate the following:~~

~~In the event of a fire alarm or signal, the attraction must stop all confusing sounds and and show elements and reset to its original load/unload position.~~

~~Exits must be illuminated and visible. Additional exit signs and directional markings may be required.~~

~~Lighting shall be restored to a level equivalent to the building requirements prior to the attraction being run.~~

~~Attractions must be built of materials and comply with material specifications appropriate to the building where the attraction is placed.~~

~~Attractions shall demonstrate compliance with codes and manufacturer's specifications and obtain all permits and inspections prior to public operation.]~~

22.16.300 Appeals. Section 22.02.560 Appeal Procedures of the Building Administrative Code shall dictate the appeal procedure.

~~[Penalties. An owner/operator of an ATS who allows such system to be operated:~~

- ~~(A) without a valid Certificate of Operation;~~
- ~~(B) in violation of an Out-of-Service Seal or Prohibited Use Notice;~~
- ~~(C) in violation of the safety requirements of this chapter;~~

~~shall be deemed guilty of a misdemeanor, and each such owner/operator shall be deemed guilty of a separate offense for each and every day or portion thereof during which any violation(s) of any of the provisions of this committed, continued, or permitted. Upon conviction of any such violation, the owner/operator may be punished by a fine of not more than \$1,000.00 per each day or instance of violation, or by imprisonment for not more than six (6) months, and/or by both such fine and imprisonment]~~

22.16.310 Penalties. An owner/operator of an ARPM who allows such system to be operated:

- (D) without a valid Certificate of Operation;
- (E) in violation of an Out-of-Service Seal or Prohibited Use Notice;
- (F) in violation of the safety requirements of this chapter, condition of the permit, ride certificate, or combination thereof;

shall be deemed guilty of a misdemeanor, and each such owner/operator shall be deemed guilty of a separate offense for each and every day or portion thereof during which any violation(s) of any of the provisions of this Chapter, adopted codes and standards or Certificate of Operation conditions is committed, continued, or permitted. Upon conviction of any such violation, the owner/operator may be punished by a fine of not more than \$1,000.00 per each day or instance of violation, or by imprisonment for not more than six (6) months, and/or by both such fine and imprisonment.

Violations of Technical Guidelines, standing alone, do not necessarily constitute a criminal offense, but may constitute grounds for administrative enforcement action, including permit conditions, suspension, or revocation, as authorized by this Chapter and the Building Administrative Code.

SECTION 3. If any section of this ordinance or portion thereof is for any reason held invalid or unconstitutional by any court of competent jurisdiction, such holding shall not invalidate the remaining parts of this ordinance.

SECTION 4. All ordinances, parts of ordinances, chapters, sections, subsections, clauses, phrases, or sentences contained in the Code of Clark County in conflict herewith are hereby repealed.

SECTION 5. This ordinance shall take effect and be in force from and after its passage and the publication thereof by title only, together with the names of the County Commissioners voting for or against its passage, in a newspaper published in and having a general circulation in Clark County, Nevada, at least once a week for a period of two (2) weeks.

PROPOSED on the [~~18th-xx~~] day of [~~March-2008xx~~]

PROPOSED BY [~~Rory-Reid~~]

PASSED on the [~~1st-xx~~] day of [~~April-2008xx~~]

AYES: ~~Susan Brager~~

~~Tom Collins~~

~~Chris Giunchigliani~~

~~Chip Maxfield~~

~~Rory Reid~~

~~Lawrence Weekly~~

~~Bruce L. Woodbury~~

NAYS: ~~None~~

ABSTAINING: ~~None~~

ABSENT: ~~None~~

Appendix A

REFERENCED STANDARDS

User note:

About this appendix: The ride code contains numerous references to standards promulgated by other organizations that

are used to provide requirements for materials and methods of construction. This appendix contains a comprehensive list of all standards that are referenced in this code. These standards, in essence, are part of this code to the extent of the reference to the standard.

This appendix lists the standards that are referenced in various sections of this document. The standards are listed herein by the promulgating agency of the standard, the standard identification, the title, latest published edition, and the section or sections of this document that reference the standard. The application of the referenced standards shall be as specified in 22.16.050.

ASTM

ASTM International

100 Barr Harbor Drive, P.O. Box C700

West Conshohocken, PA 19428-2959

F747: Standard Terminology Relating to Amusement Rides and Devices

F770: Standard Practice for Ownership, Operation, Maintenance, and Inspection of Amusement Rides and Devices

F1193: Standard Practice for Quality, Manufacture, and Construction of Amusement Rides and Devices

F2007: Standard Practice for Design, Manufacture, and Operation of Concession Go-Karts and Facilities

F2137: Standard Practice for Measuring the Dynamic Characteristics of Amusement Rides and Devices

F2291: Standard Practice for Design of Amusement Rides and Devices

F2374: Standard Practice for Design, Manufacture, Operation, and Maintenance of Inflatable Amusement Devices

F2375: Standard Practice for Design, Manufacture, Installation and Testing of Climbing Nets and Netting/Mesh used in Amusement Rides, Devices, Play Areas and Attractions

F2460: Standard Practice for Special Requirements for Bumper Boats

F2959: Standard Practice for Aerial Adventure Courses

F2974: Standard Practice for Auditing Amusement Rides and Devices

F3054: Standard Practice for Permanent Amusement Railway Ride Devices

F3214: Standard Practice for Characterization of Fire Properties of Materials Specified for Vehicles Associated with Amusement Rides and Devices

F3598: Standard Practice for Risk Assessment for Amusement Rides and Devices

F3785: Standard Practice for Bungee Jumping

ANSI

ANSI-American National Standards Institute, Inc.

25 West 43rd Street

New York, NY 10036

B77.1, American National Standard for Passenger Ropeways-Aerial Tramways, Aerial Lifts, Surface Lifts, Tows and Conveyors-Safety Requirements

B77.2, American National Standard for Funiculars-Safety Requirements

ACCT

ACCT – Association of Challenge Course Technology

P.O. Box 19797

Boulder, CO. 80308

ANSI/ACCT Challenge Courses and Canopy / Zip Line Tours Standards

ANSI/ASCE/T&DI

ASCE-American Society of Civil Engineers

1801 Alexander Bell Drive

Reston VA, 20191

Standards Institute/American Society of Civil Engineers/Transportation and Development Institute, ANSI/ASCE/T&DI 21, Automated People Mover Standards

ANSI/UL

ANSI-American National Standards Institute, Inc.

25 West 43rd Street

New York, NY 10036

American National Standards Institute/Underwriters Laboratory, ANSI/UL 4600, Standard for the Evaluation of Autonomous Products

IBC

International Code Council

200 Massachusetts Avenue, NW

Washington, D.C. 20001

International Building Code

NFPA

NFPA-National Fire Protection Association

1 Batterymarch Park

Quincy, MA 021169-7471

NFPA 130, Standard for Fixed Guideway Transit and Passenger Rail Systems

NFPA 502, Standard for Road Tunnels, bridges, and Other Limited Access Highways

NVBOE

Nevada Board of Engineers

1755 E Plumb Lane, Suite 258

Reno, NV 89502

NRS Chapter 625 – Professional Engineers and Land Surveyors

THE BLUE BOOK – Section Definitions and Section Stamping and Signing of Plan