

1 **BILL NO. 2011-17**

2 **ORDINANCE NO. 6146**

3 AN ORDINANCE TO ADOPT THE "CITY OF LAS VEGAS AMUSEMENT AND  
4 TRANSPORTATION RIDES CODE, 2010 EDITION" AS A REPLACEMENT FOR THE 1993  
EDITION OF THAT DOCUMENT, AND TO PROVIDE FOR OTHER RELATED MATTERS.

5 Sponsored by: Councilman Steven D. Ross

Summary: Adopts the 2010 Edition of the City  
of Las Vegas Amusement and Transportation  
Rides Code as a replacement for the 1993  
Edition of that Code.

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8 THE CITY COUNCIL OF THE CITY OF LAS VEGAS DOES HEREBY ORDAIN  
9 AS FOLLOWS:

10 SECTION 1: Title 16, Chapter 48, Section 10, of the Municipal Code of the City of  
11 Las Vegas, Nevada, 1983 Edition, is hereby amended to read as follows:

12 **16.48.010:** That certain document entitled ["City of Las Vegas Amusement and Transportation  
13 Rides Code, 1993 Edition,"] "City of Las Vegas Amusement and Transportation Rides Code, 2010  
14 Edition." three copies of which are on file in the Office of the City Clerk, is adopted by reference and  
15 made a part of this Code, to the same effect as if set out herein in full.

16 SECTION 2: That certain document entitled "City of Las Vegas Amusement and  
17 Transportation Rides Code, 1993 Edition" is hereby repealed in its entirety.

18 SECTION 3: That certain document referred to in Section 1 is attached to this  
19 Ordinance.

20 SECTION 4: This Ordinance shall become effective on July 5, 2011.

21 SECTION 5: If any section, subsection, subdivision, paragraph, sentence, clause or  
22 phrase in this ordinance or any part thereof is for any reason held to be unconstitutional or invalid or  
23 ineffective by any court of competent jurisdiction, such decision shall not affect the validity or  
24 effectiveness of the remaining portions of this ordinance or any part thereof. The City Council of the  
25 City of Las Vegas hereby declares that it would have passed each section, subsection, subdivision,  
26 paragraph, sentence, clause or phrase thereof irrespective of the fact that any one or more sections,  
27 subsections, subdivisions, paragraphs, sentences, clauses or phrases be declared unconstitutional,  
28 invalid or ineffective.

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SECTION 6: Whenever in this ordinance any act is prohibited or is made or declared to be unlawful or an offense or a misdemeanor, or whenever in this ordinance the doing of any act is required or the failure to do any act is made or declared to be unlawful or an offense or a misdemeanor, the doing of such prohibited act or the failure to do any such required act shall constitute a misdemeanor and upon conviction thereof, shall be punished by a fine of not more than \$1,000.00 or by imprisonment for a term of not more than six months, or by any combination of such fine and imprisonment. Any day of any violation of this ordinance shall constitute a separate offense.

SECTION 7: All ordinances or parts of ordinances or sections, subsections, phrases, sentences, clauses or paragraphs contained in the Municipal Code of the City of Las Vegas, Nevada, 1983 Edition, in conflict herewith are hereby repealed.

PASSED, ADOPTED and APPROVED this 6<sup>TH</sup> day of APRIL, 2011.

APPROVED:

By *Oscar B. Goodman*  
OSCAR B. GOODMAN, Mayor

ATTEST:

*Beverly K. Bridges*  
BEVERLY K. BRIDGES, MMC  
City Clerk

APPROVED AS TO FORM:

*Valued* *2-16-11*  
Date

1 The above and foregoing ordinance was first proposed and read by title to the City Council  
2 on the 2<sup>nd</sup> day of March, 2011, and referred to a committee for recommendation; thereafter  
3 the committee reported favorably on said ordinance on the 6<sup>th</sup> day of April, 2011, which as  
4 a regular meeting of said Council; that at said regular meeting, the proposed ordinance  
5 was read by title to the City Council as first introduced and adopted by the following vote:

- 6 VOTING "AYE": Mayor Goodman and Councilmembers Reese, Tarkanian, Ross,  
7 Barlow and Anthony  
8 VOTING "NAY": None  
9 EXCUSED: None  
10 ABSTAINED: None  
11 DID NOT VOTE: Councilmember Wolfson

12 APPROVED:

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15 OSCAR B. GOODMAN, Mayor

16 ATTEST:

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18 BEVERLY K. BRIDGES, MMC City Clerk

# CITY OF LAS VEGAS AMUSEMENT AND TRANSPORTATION RIDES CODE, 2010 EDITION

**SECTION 1: Purpose.** The purpose of this Code is to establish minimum standards for the design, construction, alteration, maintenance, operation, inspection, and issuance of ride permits/certificates for, amusement and transportation rides for use by the public. The Code is intended to protect the public safety, health and general welfare by setting certain standards for structural strength, stability, health and general welfare by setting certain standards for structural strength, stability and safety relative to life and property hazards incident to the installation, construction, maintenance, alteration, repair, removal and use of amusement and transportation rides.

**SECTION 2: Scope.** Except as otherwise provided, the provision of this Code shall apply to all amusement rides and transportation rides that are erected or installed for a period of 30 days or longer.

This Code may be referred to as the "City of Las Vegas Amusement and Transportation Rides Code, 2010 Edition" or the "Amusement and Transportation Rides Code of the City of Las Vegas, 2010 Edition."

Nothing in this Code shall be deemed to deprive any federal or state agency, or any applicable governing body having jurisdiction, or 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 anything in this Code be deemed to deprive any individual or entity of its legal rights as provided by law. Nothing herein is intended to regulate means of public transportation that are already regulated by the Nevada Public Service Commission.

Nothing in this Code shall be deemed to create any additional duty on the part of the City of its officers, agents and employees toward any individual or group of individuals. The liability provisions set forth in Section 202 of the Uniform Administrative Code, as adopted by the City, shall apply to this Code and the administration and enforcement thereof.

This Code shall be considered a "technical code" whose administrative provisions are generally contained in the Uniform Administrative Code, as adopted by the City of Las Vegas, except as otherwise specifically provided herein.

**SECTION 3: Definitions.** The terms used in this Code have the meanings ascribed to them in this Section, or in the Uniform Administrative Code or other technical codes adopted by the City of Las Vegas. Terms that are not defined in accordance with the preceding sentence 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, 1981 Edition," shall be deemed to provide ordinarily accepted meanings.

**“Amusement Ride”** means any ride, device, building or structure which is put to public use and is used primarily for human entertainment, enjoyment or transportation of people, whether moving or stationary, or a structure which causes a medium to be moved to transport passengers. The final determination concerning whether or not a ride, device, building or structure shall be classified as an “amusement ride” is within the discretion of the Director.

**“Amusement Park”** means a tract or area used principally as a permanent location for amusement ride, transportation rides and building and systems associated therewith.

**“Attraction”** means an interactive device that contains elements such as a moving stage, hydraulics, pneumatics, fire spectacles or other devices designed to entertain.

**“Approved Agency”** means an agency regularly engaged in providing verification reports; manufacturing inspections or testing; raw material inspection; certification or testing of completed products or components at the point of fabrication or manufacture; or inspection or testing of assembled items or components at a project location during construction or installation.

**“Department”** means the Department of Building and Safety of the City of Las Vegas.

**“Director”** means the Director of the Department or his designee.

**“Major Modification”** of a Ride means any change in either the structural or operation characteristics of the Ride which will alter its performance from that specified in the manufacturer’s design criteria.

**“Minor Modification”** of a Ride means any change that does not alter the structural or operation characteristics of the Ride no change its performance from that specified in the manufacturer’s design criteria.

**“Operations and Maintenance Manual(s)”** means one or more manuals, written in the English language and approved by the Director, which specify the procedures for the Owner/Operator to follow to ensure proper maintenance and safe operation of Rides regulated by this Code.

**“Owner/Operator”** means the owner, operator and/or lessee of a Ride, and includes a person who has custody or control of the Ride.

**“Prohibited Use Notice”** means a formal written notice issued by the Department indicating noncompliance with the requirements of certification, installation, inspection, operation or any other requirement of this Code and further indicating that the Ride may not be operated for other than inspection or testing.

**“Qualified Individual”** means a designated representative of the Owner/Operator of a Ride who is technically qualified and is accountable to the Owner/Operator for the maintenance of a Ride.

**“Ride”** means an Amusement Ride or Transportation Ride.

**“Ride Operation Certificate”** means a certificate issued by the Department on an annual basis certifying that a Ride has been inspected and found to be in compliance with the manufacturer’s requirements for operation and maintenance, the approved Operations and Maintenance Manual(S) and all other requirements of this Code.

**“Ride Permit”** means a permit issued by the Department authorizing construction and installation of a Ride. At the Director’s option, the permit may include in its scope any subsidiary permits for supporting, enclosing or affiliated buildings or structures; utility permits; or other building service equipment.

**“Serious Injury”** means an injury to a person that results in hospitalization for inpatient or outpatient treatment or both.

**“Transportation Ride”** means any moving apparatus which is primarily intended for transportation but may provide entertainment and enjoyment while moving along, around or over a fixed or restricted course. The final determination concerning whether or not an apparatus shall be classified as a “transportation ride” is within the discretion of the Director. The term does not include automobiles, trucks, buses, surface trains or other means of transportation to the extent that such inclusion would conflict with existing regulation by federal, state or local authorities.

**“Verification Report”** means certification by an Approved Agency or the Department that all inspection and testing required by the manufacturer and the approved Operations and Maintenance Manual(s) have been performed and that the ride is in compliance therewith and with the applicable provisions and all other requirements of this Code.

**SECTION 4: Other Codes.** Any installation associated with a Ride regulated by this Code shall conform to the requirements of all other technical codes enforced by the Department as they apply to that installation.

**SECTION 5: Permit and Certification Requirements.** No Ride may be constructed or installed without a valid Ride Permit, and no Ride may be operated without a valid Ride Operation Certificate. The principal and ultimate (but not exclusive) responsibility for obtaining permits and certificates belongs to the Owner/Operator.

**SECTION 6: Owner/Operator and Qualified Individual.**

(A) **Owner/Operator Responsibilities.** The responsibilities of an Owner/Operator include but are not limited to: ensuring that all new and existing Rides for which he is responsible, as well as the associated equipment and safeguards, are periodically inspected and properly maintained and operated in accordance with the approved Operations and Maintenance Manual(s); designating a Qualified Individual for each Ride; and determining when a Ride’s use should be discontinued.

**(B) Qualified Individual Responsibilities.** For each Ride, the Qualified Individual shall be the designated technical representative of the Owner/Operator with respect to that Ride and shall be responsible for having full operational knowledge of the Ride and responsibility for the maintenance of the Ride at all times it is in use. The Qualified Individual may be an employee of the Owner/Operator, the manufacturer or its representative, or a contracted maintenance company or its representative. This individual is responsible for providing all reports to the City of Las Vegas as described herein.

**SECTION 7: Reporting Requirements.**

**(A) Fatalities.** In the case of a fatality which appears to have resulted from mechanical or structural failure of a Ride or operator error related thereto, the Owner/Operator shall immediately cause the Ride to be closed down. He shall report the incident to the Department by telephone within four (4) hours after the incident and by written report to the Director within two (2) days.

**(B) Serious Injuries.** The reporting requirement for serious injuries shall be the same as those for fatalities.

**(C) Structural Damage.** Within five (5) days after the occurrence of structural damage to a Ride, the Owner/Operator shall file with the Director a written report concerning such damage.

**(D) Action upon notification.** Upon notification of a fatality, serious injury, or structural damage, the Director shall determine whether the Ride shall be sealed out-of-service by a "Prohibited Use Notice" until an investigation of the site and records can be performed. The Owner/Operator shall be responsible for fully inspecting the Ride, making corrective repairs, and testing components and operations as specified in this Code and the Operation and Maintenance Manual(s). The Owner/Operator has the burden to ensure that the Ride meets all requirements for return to service prior to requesting Department inspection. In the event that a Ride is sealed out-of-service in accordance with this Subsection (D), the Department shall perform an inspection within twenty-four (24) hours or as soon thereafter as possible.

**(E) Content of Reports.** Any written reports shall include all pertinent facts including:

- (1) Date, time, and location of incident;
- (2) Name, age, and address of victim(s);
- (3) Type of injury;
- (4) Hospital where treated;
- (5) A description of the incident;
- (6) Name, address and telephone number of the Owner/Operator and the Qualified Individual; and
- (7) Damage to equipment, and the Owners/Operator's expected actions to repair or take out of service.

**SECTION 8: Administrative Actions.**

(A) **Prohibited Use Notice.** Where the Director determines that a Ride is not in compliance with the requirements of this Code, the applicable technical codes, the Uniform Administrative Code, the approved Operations and Maintenance Manuals(s) or if an accident has occurred which has resulted in a fatality, injury, or Ride system damage, the Director may declare that the continued operation of the Ride is prohibited. The Prohibited Use Notice shall recite the reason(s) for the finding. Upon receipt of a Prohibited Ride Notice, the Owner/Operator and Qualified Individual immediately shall cause the operation of the Ride to discontinue.

(B) **Out of Service Seal.** Upon issuance of a Prohibited Use Notice, the Director shall cause to be affixed to the control panel, one or more Out-Of-Services Seals stating that the Rid shall not be used except for testing or inspection. In the event that the Owner/Operator does not adequately secure the Ride,, the Director may in his discretion cause one or more Out-Of-Service Seal(s) to be placed across the entrance(s) to the Ride. No Notice or Seal shall be removed except by order of the Director after the Ride has been repaired, reinspected and certified as operational.

(C) **Inspection and Certification.** 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. The Department shall perform an inspection within twenty-four (24) hours or as soon thereafter as possible. When the deficiencies are found to be corrected and any required tests have been completed successfully, the Out-of-Service Seal(s) shall be removed.

**SECTION 9: Appeals.** The Owner/Operator may appeal orders, decisions or determinations made by the Director relative to the application or interpretation of this Code in accordance with the appeal provisions set forth in the Uniform Administrative Code as adopted by the City of Las Vegas. Unless otherwise determined by the Director, a Prohibited Use Notice and Out-Of-Service Seal which are the subject of an appeal shall remain in effect during the pendency of the appeal. Failure of the Owner/Operator to file an appeal within the deadlines prescribed by the Uniform Administrative Code shall be a waiver of subsequent administrative redress.

**SECTION 10: Adoption of Standard for Physical Information.** 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 part of this Code.

**SECTION 11: 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 by reference as part of this Code, but amended to include a new Section 11, reading 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 Ride Permit application package and are a required part of the total plan submittal package. The plans for construction may not be approved or any building permits issued until the information required herein is submitted, reviewed and approved.

**11.2** Copies of the City of Las Vegas approved Operation and Maintenance Manual(s) identified in this standard shall be maintained at all times with the ride or at a location which is near the ride or device and which has been approved by the Director, his authorized agent or other concerned governmental 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 ride while under his/her control. Upon sale or other transfer of the ride, the Owner/Operator shall transfer these quality assurance documents to the new Owner/Operator.

**SECTION 12: Adoption of the Standard for Testing Performance** That certain document, being marked and designated as the American Society of Testing and Materials (ASTM) Standard F846-92 (re-approved 1998), Standard Guide for Testing Performance of Amusement Rides and Devices, is hereby adopted by reference as part of this Code, but amended to add to Section 7, Paragraph 7.1, reading as follows:

The manufacturer of the ride shall develop specific operational tests along with minimum intervals for these tests to be performed that will allow the owner/operator of the ride to determine whether a given ride is operating within prescribed operating limits. Testing as prescribed by the manufacturer shall be performed or observed by a third party testing agency approved by the department 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.

**SECTION 13: Adoption of Standard for Maintenance.** That certain document, being marked and designated as the American Society for Testing and Materials (ASTM) Standard F853-05, Standard Practice for Maintenance Procedures for Amusement Rides and Devices, is hereby adopted by reference as a part of this Code, but with the following amendments:

Section 4, Paragraph 4.1, Subparagraph 4.1.14 is amended by adding a new sentence to read as follows:

“The Owner/Operator shall provide the department, upon request, maintenance bulletins or similar documents, published by the manufacturer of the amusement ride after its initial installation.”

Section 4, Paragraph 4.1, Subparagraph 4.1.4 is amended to read as follows:

**4.1.4** A formal written daily log form must be completed and signed by the person performing maintenance prior to each day's operation, identifying each required maintenance and inspection item and attesting that the required maintenance procedures have been performed. A copy of the daily and other log forms required by the approved Operations and Maintenance Manual shall be maintained by the Owner/Operator as long as the ride is under the control of the Owner/Operator. All records shall be available for inspection upon request by the department and any of its assigned inspectors during working hours. All records and maintenance logs created subsequent to the date of the last annual department inspection shall be maintained on-site.

Section 4, Paragraph 4.1 is amended to add a new Subparagraph 4.1.15, reading as follows:

**4.1.15** Any additional recommendation of the Owner/Operator, manufacturer or the Department of Building and Safety of the City of Las Vegas.

**SECTION 14: Adoption of Standard for Inspection.** That certain document, being marked and designated as the American Society for Testing and Materials (ASTM) Standard F893-05a, Standard Guide for Inspection of Amusement Rides and Devices, is hereby adopted by reference as a part of this Code, but with the following amendments:

Section 5, Paragraph 5.1, Subparagraph 5.1.1 is amended by the addition of two new sentences to read as follows:

A copy of the manufacturer's written quality assurance program shall be submitted for review and approval at the time a Ride Permit application is submitted. The director 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 the City of Las Vegas prior to the approval of any amusement ride.

Section 5, Paragraph 5.1, Subparagraph 5.1.3.1 is amended to read as follows:

**5.1.3.1** When changes in the procedures prescribed in Paragraph 5.1.3 are deemed essential by the manufacturer because of information not available to the manufacturer at the time of delivery, those changes shall be communicated in writing to the Owner/Operator and to the department.

Section 5, Paragraph 5.1, Subparagraph 5.1.5 is amended by adding a new sentence to read as follows:

The Owner/Operator shall provide the findings to the department when requested.

**SECTION 15: 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 The Design and Manufacture of Amusement Rides and Devices is hereby adopted by reference as a part of this Code, but with the following amendments:

Section 1 is amended by adding a new Paragraph 1.3, reading as follows:

**1.3** The application of this standard to systems or devices that involve hazardous materials, operations or equipment shall not affect or diminish the application or enforcement of the applicable requirements of the Fire Code or the International Building Code, including Chapter 9 thereof.

Section 4, Paragraph 4.1 is amended by adding a new Subparagraph 4.1.3, reading as follows:

**4.1.3** Engineering analysis of primary structural, engineering and mechanical components.

Section 4 is amended by adding a new Paragraph 4.4 and a new Paragraph 4.5, reading as follows:

**4.4 Engineering Review.** When the ride is not designed by a Nevada-registered engineer or architect, the plans specifications, and calculations shall be reviewed by an engineer registered in Nevada to verify that the design is in conformance with this Code and other applicable standards.

**4.5 Equivalency Review.** Other demonstration of adequacy of design such as testing, product listing or any other appropriate documentation may be required or accepted by the director in lieu of engineering design or calculations.

**SECTION 16: Adoption of Standard for Quality Manufacture and Construction of Amusement Rides and Devices and 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 Ride and Devices, is hereby adopted by reference as a part of this Code. It is the intent of the director that ride manufacturers shall maintain a quality assurance program that is satisfactorily equivalent to the Uniform Administrative Code, Section 306.6, entitled "Approved Fabricators." Documentation that the manufacturer meets this standard shall be furnished to the department at the time application for a Ride Permit is made.

**SECTION 17: 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), 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 18: Adoption of Standard for Used Rides.** That certain document, ~~three copies of which are on file in the Office of the City 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 Code.

**SECTION 19: 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 part of this Code

**SECTION 20. 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 Code

**SECTION 21. 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 Ride and Devices is hereby adopted by reference as a part of this Code

Section 1 Scope is amended by the addition of new Section 1.6.

1.6 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 Fire Code shall apply.

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 Ride 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 Director 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 Director, based on a review of the unique operating characteristics of each particular Ride. The Director 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 Ride Control System Review

11.3.1.6.1 The Ride 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 Ride 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 the appropriate standards by a Nationally recognized agency.

**SECTION 22. 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.

**SECTION 23. Adoption of Standards 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.

**SECTION 24. Adoption of Standard for Fixed Guideway Transit Systems.** That certain document being marked and designated as the National Fire Protection Association, Inc., NFPA 130-2007, Standard for Fixed Guideway Transit and Passenger Rail systems is hereby adopted.

**SECTION 25. 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 Visual Communications), is hereby adopted.

**SECTION 26. 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.

**SECTION 27. 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, Adopted People Mover Standards – Part 3 (Electrical, Stations, and Guideways), is hereby adopted.

**SECTION 28. 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.

**SECTION 29. 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.

**SECTION 30. 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:

1. In the event of a fire alarm or signal, the attraction must stop all confusing sounds and show elements and reset to its original load/unload position.
2. Exits must be illuminated and visible. Additional exit signs and directional markings may be required.
3. Lighting shall be restored to a level equivalent to the building requirements prior to the attraction being run.
4. Attractions must be built of materials and comply with material specifications appropriate to the building where the attraction is placed.
5. Attractions shall demonstrate compliance with codes and manufacturer's specifications and obtain all permits and inspections prior to public operation.

**SECTION 31: Rides, Structures, or Transportation Devices with Insufficient Data or Built to Other Standards.** When information on a Ride, structure or transportation devices is insufficient to meet the standards of this Code, or the Ride was built to other standards, the Owner/Operator or Qualified Individual shall provide such information as the director determines to be appropriate. Such information shall conform to the intent of this Code and shall include engineering analysis and calculations, testing programs, and inspections of the Ride, structure or transportation device, as appropriate. When the Owner/Operator possesses or can obtain one or more published standards under which the Ride was designed and built, the Owner/Operator shall submit the standard(s) along with the design, calculations, testing and inspection data for review in accordance with Sections 105, 106 and 107 of the Uniform Administrative Code. The Department shall determine whether and to what extent equivalency exists.

**SECTION 32: Violations**

A. It is unlawful for a person to construct or allow to be constructed, or to operate or allow to be operated any Ride:

1. Without a valid Ride Permit issued pursuant to this Code;
2. Without a valid Ride Operation Certificate issued pursuant to this Code;
3. In violation of an Out-of-Service Seal or Prohibited Use Notice;
4. In violation of the safety requirements of this Code.

**B.** It is unlawful for a person to fail to perform any act required by this Code or to perform any act which is prohibited by this Code.

**SECTION 33:** Fees. Fees applicable to this Code shall be set forth in the Uniform Administrative Code, as adopted by the City of Las Vegas.

**BUSINESS IMPACT STATEMENT  
BILL NO. 2011-17**

**(Adopts the 2010 Edition of the City of Las Vegas Amusement and Transportation Rides Code as a replacement for the 1993 Edition of that Code)**

This business impact statement was prepared pursuant to NRS 237.090 to address the impact of a proposed ordinance, Bill No. 2011-17, that will adopt the 2010 Edition of the City of Las Vegas Amusement and Transportation Rides Code as a replacement for the 1993 Edition of that Code.

**1. The following constitutes a description of the manner in which comment was solicited from affected businesses, a summary of their responses and an explanation of the manner in which other interested persons may obtain a copy of the summary.**

Notice of the proposed ordinance was published in the Las Vegas Review-Journal. In addition, a copy of the notice was provided to development-related and construction groups that are representative of affected industries. No written responses were received.

**2. The estimated economic effect of the proposed rule on businesses, including, without limitation, both adverse and beneficial effects, and both direct and indirect effects:**

**Adverse effects:**

Those proposing construction will need to plan for and adjust to any new or differing Code requirements

**Beneficial effects:**

Code provisions that are updated and that are consistent with other area jurisdictions

**Direct effects:**

See adverse and beneficial effects above

**Indirect effects:**

None identified

**3. The following constitutes a description of the methods the local government considered to reduce the impact of the proposed rule on businesses and a statement regarding whether any, and if so which, of these methods were used:**

Not applicable

**4. The governing body estimates the annual cost to the local government for enforcement of the proposed rule is:**

No additional cost

**5. If the proposed rule provides for a new fee or increases an existing fee, the total annual amount expected to be collected is:**

Not applicable

**6. If the proposed rule provides for a new fee or increases an existing fee, the money generated by the new fee or increase in existing fee will be used by the local government to:**

Not applicable

**7. If the proposed rule includes provisions that duplicate or are more stringent than federal, state or local standards regulating the same activity, the following explains when such duplicative or more stringent provisions are necessary:**

Not applicable

Date: February 16, 2011

AFFP DISTRICT COURT  
Clark County, Nevada

AFFIDAVIT OF PUBLICATION

STATE OF NEVADA)  
COUNTY OF CLARK) SS:

Stacey M. Lewis, being 1st duly sworn, deposes and says: That she is the Legal Clerk for the Las Vegas Review-Journal and the Las Vegas Sun, daily newspapers regularly issued, published and circulated in the City of Las Vegas, County of Clark, State of Nevada, and that the advertisement, a true copy attached for,

LV CITY CLERK 2296311LV 7069139

was continuously published in said Las Vegas Review-Journal and / or Las Vegas Sun in 1 edition(s) of said newspaper issued from 03/24/2011 to 03/24/2011, on the following days:

03/24/2011

BILL NO. 2011-17

AN ORDINANCE TO ADOPT THE "CITY OF LAS VEGAS AMUSEMENT AND TRANSPORTATION RIDES CODE, 2010 EDITION" AS A REPLACEMENT FOR THE 1993 EDITION OF THAT DOCUMENT, AND TO PROVIDE FOR OTHER RELATED MATTERS.

Sponsored by: Councilman Steven D. Ross

Summary: Adopts the 2010 Edition of the City of Las Vegas Amusement and Transportation Rides Code as a replacement for the 1993 Edition of that Code.

At the City Council meeting of MARCH 2, 2011

BILL NO. 2011-17 WAS READ BY TITLE AND REFERRED TO A RECOMMENDING COMMITTEE

COPIES OF THE COMPLETE ORDINANCE ARE AVAILABLE FOR PUBLIC INFORMATION IN THE OFFICE OF THE CITY CLERK, 1ST FLOOR, 400 STEWART AVENUE, LAS VEGAS, NEVADA

PUB: March 24, 2011  
LV Review-Journal

Signed: Stacey M. Lewis

SUBSCRIBED AND SWORN BEFORE ME THIS, THE  
24<sup>th</sup> day of March, 2011.

Emily Gonzalez  
Notary Public



AFFP DISTRICT COURT  
Clark County, Nevada

AFFIDAVIT OF PUBLICATION

STATE OF NEVADA)  
COUNTY OF CLARK) SS:

Stacey M. Lewis, being 1st duly sworn, deposes and says: That she is the Legal Clerk for the Las Vegas Review-Journal and the Las Vegas Sun, daily newspapers regularly issued, published and circulated in the City of Las Vegas, County of Clark, State of Nevada, and that the advertisement, a true copy attached for,

LV CITY CLERK 2296311LV 7108537

was continuously published in said Las Vegas Review-Journal and / or Las Vegas Sun in 1 edition(s) of said newspaper issued from 04/09/2011 to 04/09/2011, on the following days:

04/09/2011

BILL NO. 2011-17  
ORDINANCE NO. 6146

AN ORDINANCE TO ADOPT THE "CITY OF LAS VEGAS AMUSEMENT AND TRANSPORTATION RIDES CODE, 2010 EDITION" AS A REPLACEMENT FOR THE 1993 EDITION OF THAT DOCUMENT, AND TO PROVIDE FOR OTHER RELATED MATTERS.

Sponsored by: Councilman Steven D. Ross

Summary: Adopts the 2010 Edition of the City of Las Vegas Amusement and Transportation Rides Code as a replacement for the 1993 Edition of that Code.

The above and foregoing ordinance was first proposed and read by title to the City Council on the 2nd day of March 2011 and referred to a committee for recommendation; thereafter the committee reported favorably on said ordinance on the 6th day of April 2011, which was a regular meeting of said City Council; and that at said regular meeting the proposed ordinance was read by title to the City Council as introduced and was adopted by the following vote:

VOTING "AYE": Mayor Goodman and Councilmembers Reese, Tarkanian, Ross, Barlow and Anthony  
VOTING "NAY": NONE  
EXCUSED: NONE  
NOT VOTING: Councilman Wolfson

COPIES OF THE COMPLETE ORDINANCE ARE AVAILABLE FOR PUBLIC INFORMATION IN THE OFFICE OF THE CITY CLERK, 1ST FLOOR, 400 STEWART AVENUE, LAS VEGAS, NEVADA.

PUB: April 9, 2011  
LV Review-Journal

Signed: Stacey M. Lewis

SUBSCRIBED AND SWORN BEFORE ME THIS, THE 11th day of April, 2011.

Emily Gonzalez  
Notary Public

