



Systems & Engineering, PC

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AMUSEMENT PARK DIVISION - PROJECT EXPERIENCE

*Six Flags “Superman, The Ultimate Escape” Steel Roller Coaster  
Six Flags Mexico City, Chance Morgan Coasters*



Systems & Engineering designed the structural support for the new “Superman” rollercoaster to be constructed at the Six Flags Park in Mexico City in 2004. The ride reaches speeds over 70 mph. This project included over 300 structural supports, including a 205' high lift tower, station area, and transfer / maintenance track.

*“Tsunami” Wooden Roller Coaster  
Clementon Theme Park, Clementon, NJ*

S&E designed the structural steel framing for this wooden track coaster completed in the summer of 2004. This coaster has a 105 foot lift tower that plunges toward and over an existing log flume ride in Clementon lake. It is over 2600 feet long and features the steepest (62 degrees) vertical drop in North America. S&E also designed the station structure and transfer / maintenance track structure.



*Inverted Looping Roller Coaster for Six Flags  
“Jazzland” Theme Park  
New Orleans, Louisiana*

Systems & Engineering performed a structural analysis for an inverted looping rollercoaster to be installed at the Six Flags Park in New Orleans in 2003.



Structural Design  
(Industrial & Commercial)  
Highway & Bridge Design  
Construction Inspection

*“Mine Train” Steel Roller Coaster for Six Flags – The Great Escape Theme Park  
Lake George, NY*

Systems & Engineering provided structural calculations for the modification of an existing roller coaster for relocation to another park. The project included structural revisions to the track, steel supports, foundations, and station area.



*“Avalanche” Wooden Roller Coaster  
Timber Falls Adventure Park, Wisconsin Dells, WI*



S&E designed the structural steel framing for this wooden track coaster completed in the summer of 2004. This coaster has a 105 foot lift tower that plunges toward and over an existing log flume ride in Clementon lake. It is over 2600 feet long and features the steepest (62 degrees) vertical drop in North America. S&E also designed the station structure and transfer / maintenance track structure