HERSHEY

ENTERTAINMENT & RESORTS®

PLANNING, ENGINEERING & CONSTRUCTION MANAGEMENT

HERSHEY
ENTERTAINMENT & RESORTS

AMUSEMENT CONSTRUCTION

Brad Kirkham, PE

Director, Engineering

Hershey Entertainment & Resorts

Penn State University

Architectural Engineering

2004 – 2020 Baker, Ingram & Associates

2020 – Present Hershey Entertainment & Resorts

PLANNING, ENGINEERING & CONSTRUCTION MANAGEMENT

Bob DeFiore –	Managing Director of Construction
Steve McNulty –	Project Manager
Lee Muchinsky –	Site Superintendent
Jaime Heatherington –	Planning/Architecture
Ed Kosoff –	Preconstruction
Tess Zeigler –	Project Coordinator
Brad Kirkham -	Engineering

PLANNING, ENGINEERING & CONSTRUCTION MANAGEMENT

HERSHEY
ENTERTAINMENT & RESORTS.

HERSHEYPARK
ZOOAMERICA
HERSHEY'S BEARS
GIANT CENTER
DEVON SEAFOOD + STEAK
COCOA CHOCOLATE
HOULIHAN'S RESTAURANT + BAR
HERSHEY ENTERTAINMENT & RESORTS®
HERSHEY Lodge
The Hotel Hershey Since 1933
HERSHEY COUNTRY CLUB
MELTSPA by HERSHEY
HERSHEYPARK
THE SPA At The Hotel Hershey

HOW WE MANAGE PROJECTS

WHAT WE NEED TO CONSIDER

- Site selection and ride geometry layout……
- Type of Ride being offered……..
- Train Style……...
- Restraint……...
- Capacity per Hour ……
- Length of Track……
- Height of Lift…….....
- Angle of Descent ……
- Lift Speed ……...
- Speed – max ……
- Total Ride Time…….....
- Height Restriction……..……
- Cycle Time……..……
- MAX “g”……...
- Lift system……
- Braking System……
- Cost of ride…..……
- Delivery Schedule……

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PANORAMIC SPIRAL
CAMEL BACK #6
CAMEL BACK #4
CAMEL BACK #2
CAMEL BACK #5
CAMEL BACK #1
APPROX. 160 Ft STEEP DROP
Obstructed
Shadow
360
350
370

LIFT
APPROX. 160 Ft TALL LIFT
APPROX. 150 Ft STEEP DROP
CAMEL BACK #1
TOP
BOTTOM
COMET
TRANSIT

CAMEL BACK #2
PANORAMIC SPIRAL
CAMEL BACK #3
TOP
BOTTOM
ROAD

CAMEL BACK #4
CAMEL BACK #5
CAMEL BACK #6
TOP
BOTTOM

CROSS SECTION WITH SAFETY ENVELOPE

FLOOR PLAN - MAINTENANCE AREA
NEWCOMER ASSOCIATES
A102

HERSHEYPARK
WILDCAT MODIFICATIONS
PROPOSED SITE PLAN
C-3

DICKINSON

R513+
L513+
R503+
L503+
L505-

EMPLOYEE & DELIVERIES

ACCELERATION

n	29.07.2011	STE rr	track joints added
o	04.02.2011	STE rr	Bridge structure added.
p	04.03.2011	STE wd	new clearance envelope, div. structure (e.g. Comet) add
q	27.05.2011	STE rr	Lift structure removed, wall thickness of L01 modified.
R	31.05.2011	ITL-rm	Updated Assembly Lift according to 1096-7-0024

CHALLENGES

CHALLENGES

MILTON HERSHEY SCHOOL®

FOUNDED 1909

Core Purpose

Hershey Entertainment & Resorts Company is proud to help fulfill the dream of our founder, Milton S. Hershey, by providing value to Milton Hershey School in its mission of helping students lead fulfilling and productive lives - just as Mr. Hershey intended.

Do you know a child
who could benefit?
—NEW—
INTERACTIVE
TOUCH SCREEN
MILTON
HERSHEY
SCHOOL

QUESTIONS

THANK YOU

ACEC/PA

AMERICAN COUNCIL OF ENGINEERING COMPANIES

of Pennsylvania

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