

Highway-Railroad Grade Crossing Site Description	#628138-P
District: <u>4</u> County: <u>Palm Beach</u> Railroad: <u>CSX Systems</u> Roadway Name: <u>Summit Blvd</u> # Tracks: <u>1</u> # Lanes: <u>4</u> Angle of Intersection: <u>90 degrees</u> Condition: <u>Fair</u>	
Accident history / Hazard ranking: On 9/18/96, severity 5 crash. Crash at this site, single fatality (driver) 4/99. Predicted accidents - 0.204/year. Safety Index: 47.84	
Warning devices: CFL + gate. No advance warning.	
Area development: Residential	
Maintenance history: None provided. Maintained by county.	
Comments: Rough transition at crossing. Approach I-95 overpass eastbound. At time of inspection (12/98) broken gate and construction on road near crossing. This summary includes all data required for the gate timing calculations plus the additional information that was available. Blank fields indicate that the information was not available.	

Site Photographs



Highway Approach Summary		
Physical Characteristics	Eastbound	Westbound
Number of lanes (through / other)	2/0	2/0
Approach width at entrance gate		
Approach grade / distance	1%	0
Gate length (from left / from right)	/	/
Width of approach not obstructed by gate	0	0
Transverse offset (gate to encroachment point on roadway)	8 ft	8 ft
Distance: Stop line to entrance gate	4 ft.	4 ft.
Entrance gate to track	18 ft.	18 ft.
Track width	8 2/3 ft.	8 2/3 ft.
Track to exit gate (4 quadrant gates only)	9 1/3 ft.	8 1/3 ft.
Ped/Bike gate bypass (N)one (P)assable (S)idewalk (G)ated	S	S
Median width / setback from track	None	None
Other longitudinal barrier	None	None
Distance to nearest traffic signal (ft)	N/A	N/A
Distance to nearest driveway / median opening	N/A	N/A
Advance pavement condition		
Entrance gate visibility distance	Unrestricted	Unrestricted
Advance warning signs	None	None
Operational Characteristics		
Maximum posted speed	40 mph	40 mph
Maximum crossing speed	20 mph	20 mph
Traffic Volumes: AADT / design hour	13,814 (4/17/98)	
Daily hazardous material carriers / school buses	1 school bus/day	
Percent heavy vehicles	<1	<1
Traffic signal preemption (y/n)	None	None
Train detection to beginning of entrance gate descent (sec)	3 sec	3 sec
Beginning of descent to down and locked position (sec)	10 sec	10 sec

Track Approach Summary

Whistle ban rules: Unknown

Other requirements or restrictions

Comments

Train Approach Direction	Northbound	Southbound
Trains per day: 34		
Minimum Train speed (MPH)		
Maximum Train speed (MPH)	79	79
Train detection type		
Train detection distance from crossing		
Advance warning time based on maximum speed		
Advance warning time based on minimum speed		
Delay time from train detection to beginning of gate descent		
Distance to nearest scheduled stopping point (station, switch, etc.)		

SUPPLEMENTAL PHOTOGRAPHS



Warning gate position - south side.



Warning gate position - north side



Video view looking east.