## **Highway-Railroad Grade Crossing Site Description**

#628138-P

District: 4 County: Palm Beach Railroad: CSX Systems Roadway Name: Summit Blvd

#Tracks: 1 #Lanes: 4 Angle of Intersection: 90 degrees Condition: Fair

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.

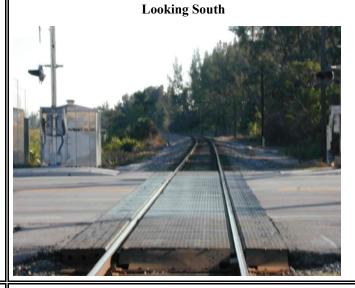
Comments: Rough transition at crossing. Approach I-95 overpass eastbound. At time of inspection (12/98) broken gate and construction on road near crossing.

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** 







**Looking West** 



**Looking East** 



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)	1	1	
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	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	

Whistle ban rules: Unknown		
Other requirements or restrictions		
Comments		
	1	
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 warming time based on minimum speed		
Delay time from train detection to beginning of gate descent		
Distance to nearest scheduled stopping point (station, switch, etc.)		

**Track Approach Summary** 



Video view looking east.