

Highway-Railroad Grade Crossing Site Description	#628140-R
District: <u>4</u> County: <u>Broward</u> Railroad <u>CSX Systems</u> Roadway Name: <u>N. 17th Ave.</u> # Tracks: <u>2*</u> # Lanes: <u>4</u> Angle of Intersection: <u>90 degrees</u> Condition: <u>Fair</u>	
Accident history / Hazard ranking: Fatality in 1999. Predicted accidents - 0.070/year. Safety Index: 62.70	
Warning devices: CFL + gate. No advance warning.	
Area development: Residential	
Maintenance history: None provided. Maintained by county.	
Comments: I-95 overpass in view eastbound. No driveways close by. Road humps on street. Rough transition at crossing. Quad gates installed. Only one track appears to be active. 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 North



Looking South



Looking West



Looking East



Highway Approach Summary		
Physical Characteristics	Eastbound	Westbound
Number of lanes (through / other)	1/0	1/0
Approach width at entrance gate		
Approach grade / distance	0 /	0 /
Gate length (from left / from right)	/	/
Width of approach not obstructed by gate	2 ft	2 ft
Transverse offset (gate to encroachment point on roadway)	8 ft	8 ft
Distance: Stop line to entrance gate	4 ft.	8 ft.
Entrance gate to track	6 ft.	14 ft.
Track width	8 2/3 ft.	8 2/3 ft.
Track to exit gate (4 quadrant gates only)	29 1/3 ft.	21 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	No restriction	No Restriction
Advance warning signs		
Operational Characteristics		
Maximum posted speed	25 mph	25 mph
Maximum crossing speed	20 mph	20 mph
Traffic Volumes: AADT / design hour	2,101 (2/25/98)	
Daily hazardous material carriers / school buses	4 school buses	
Percent heavy vehicles	<u>1</u>	1
Traffic signal preemption (y/n)	N	N
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	Unknown	
Train detection distance from crossing	4,290 ft. (est.)	
Advance warning time based on maximum speed		
Advance warning time based on minimum speed		
Delay time from train detection to beginning of gate descent	5 sec.	
Distance to nearest scheduled stopping point (station, switch, etc.)		

SUPPLEMENTAL PHOTOGRAPHS



Exit gates descending.



All gates down and locked.



Train passage.



Edge-of-road marking.