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Rainier Avenue South Proposed Corridor Safety Project Collision Analysis

October 25, 2005



**Washington State
Department of Transportation**



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Key Facts

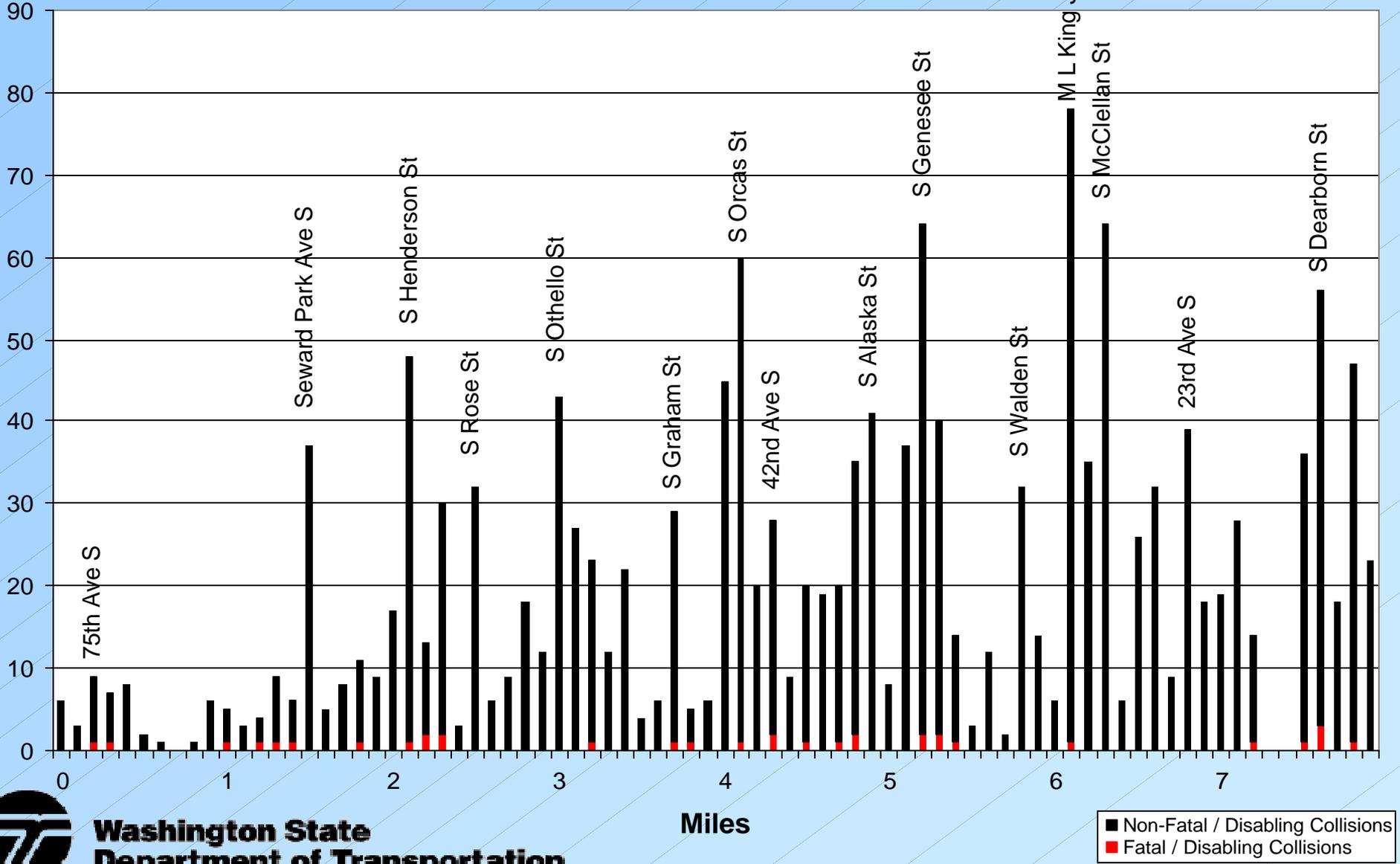
- Data covers 3 years (Jan. 2002 – Dec. 2004)
- Total # Collisions = **1,743**
- Total # Fatal / Disabling Collisions = **37**
- Total # Alcohol-Related Collisions = **55**



Collisions by Mile

Rainier Ave S from South City Limits to Boren Ave S 1/1/02 to 12/31/04

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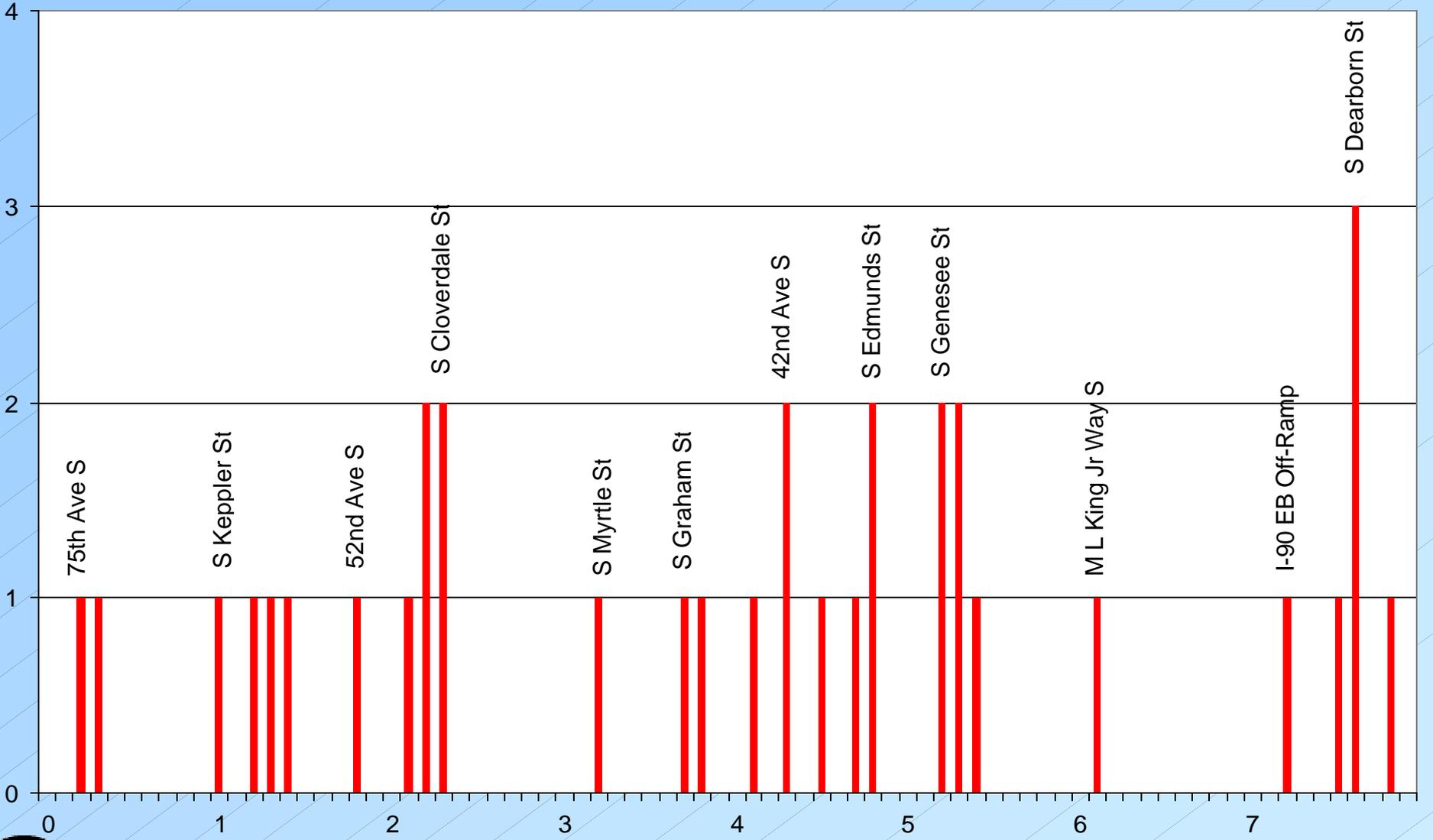


Fatal / Disabling Injury Collisions by Mile

Rainier Ave S from South City Limits to Boren Ave S

1/1/02 to 12/31/04

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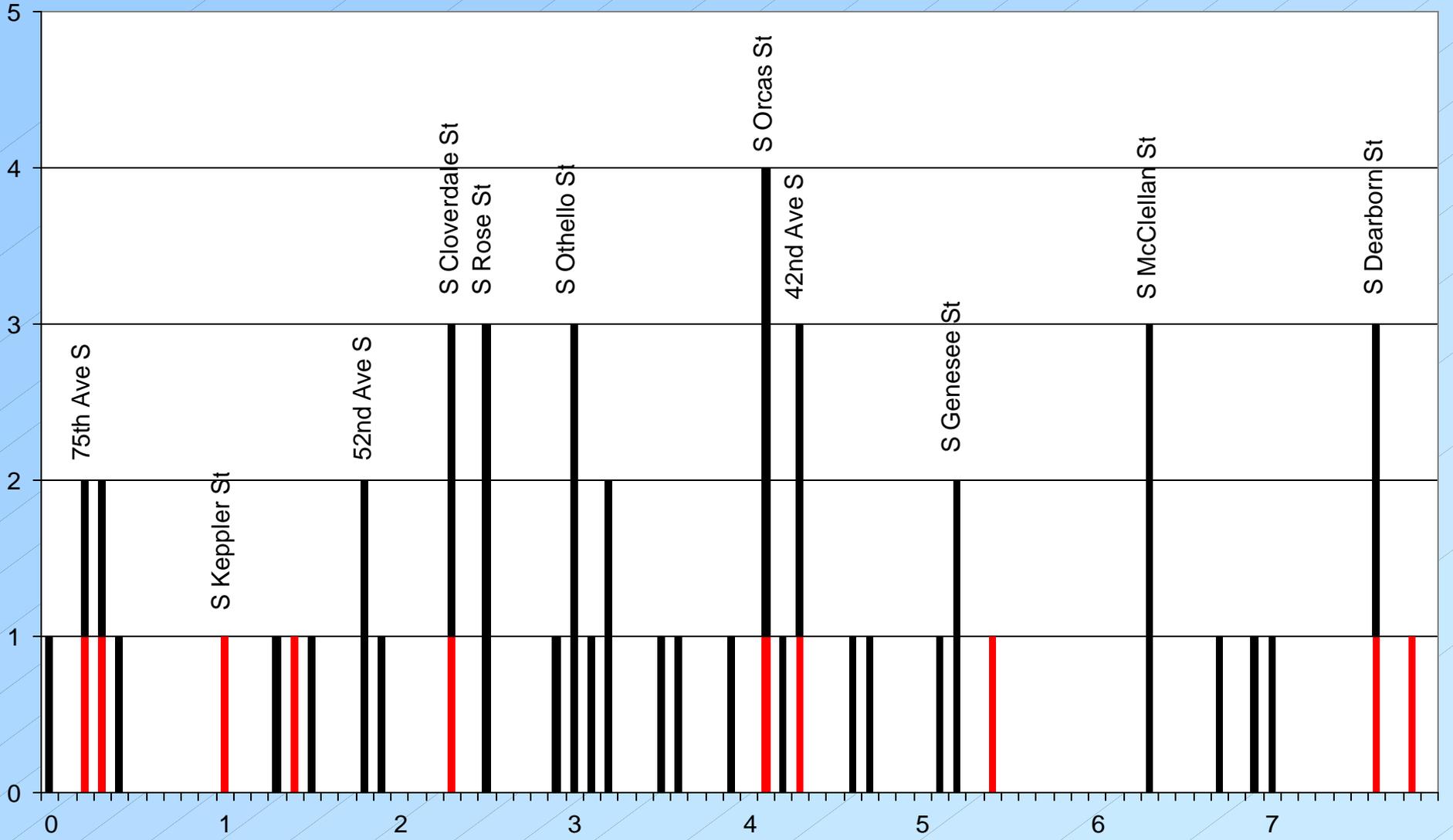


Alcohol-Related Collisions by Mile

Rainier Ave S from South City Limits to Boren Ave S

1/1/02 to 12/31/04

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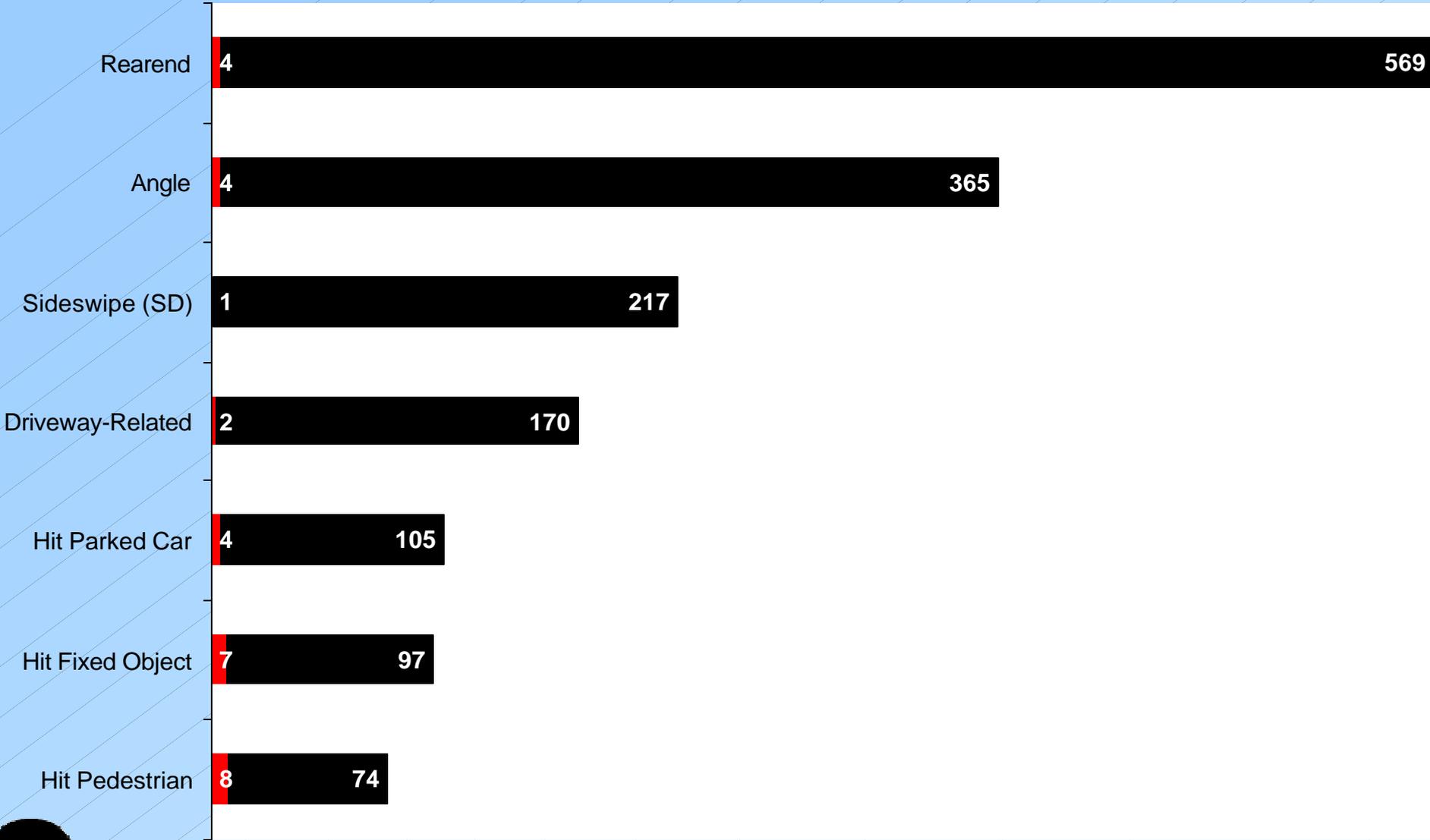
■	Non-Fatal / Disabling Collisions
■	Fatal / Disabling Collisions

Leading Collision Types

Rainier Ave S from South City Limits to Boren Ave S

1/1/02 to 12/31/04

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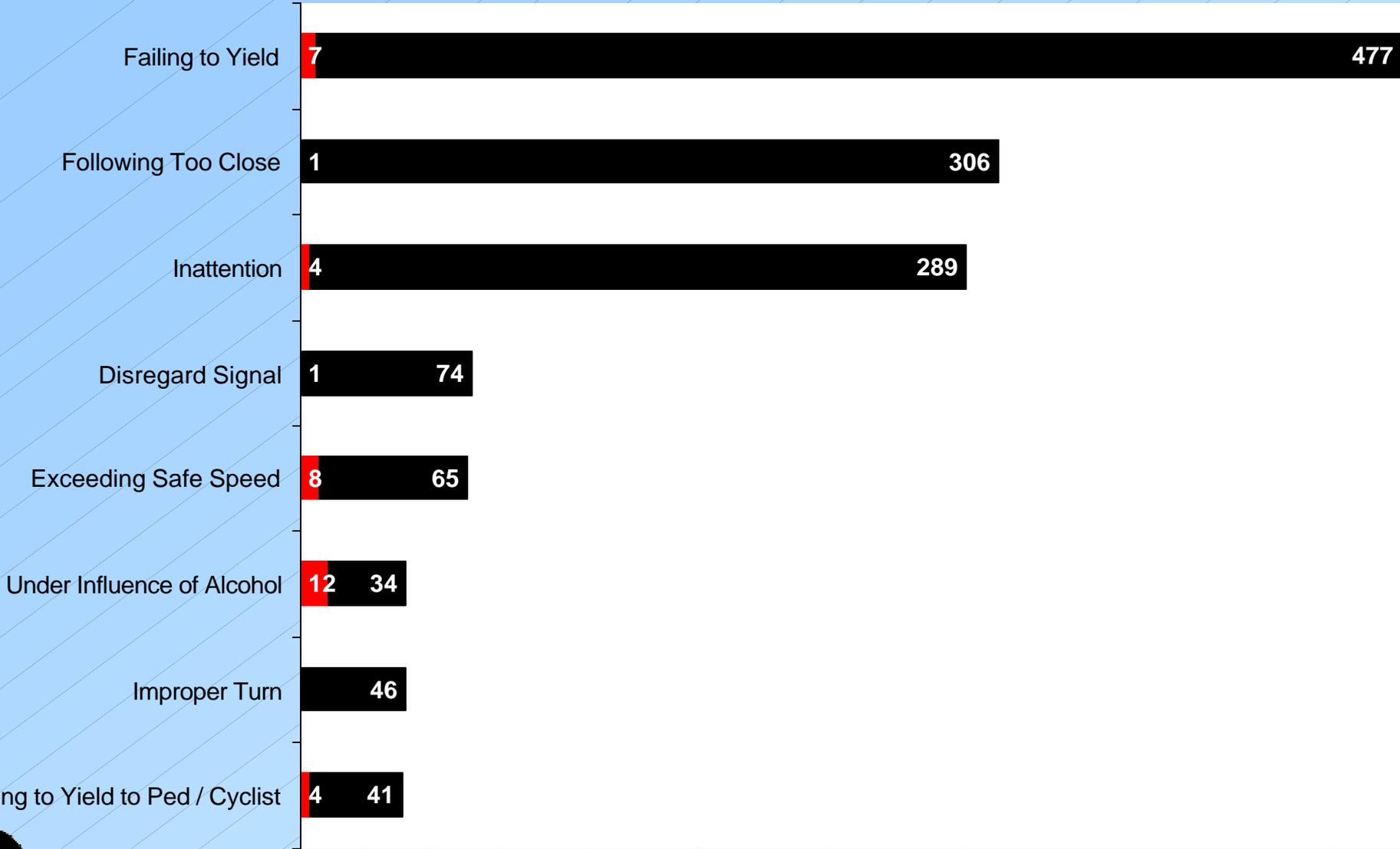


Leading Contributing Causes (# of Drivers)

Rainier Ave S from South City Limits to Boren Ave S

1/1/02 to 12/31/04

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Roadway Surface Conditions

Rainier Ave S from South City Limits to Boren Ave S

1/1/02 to 12/31/04

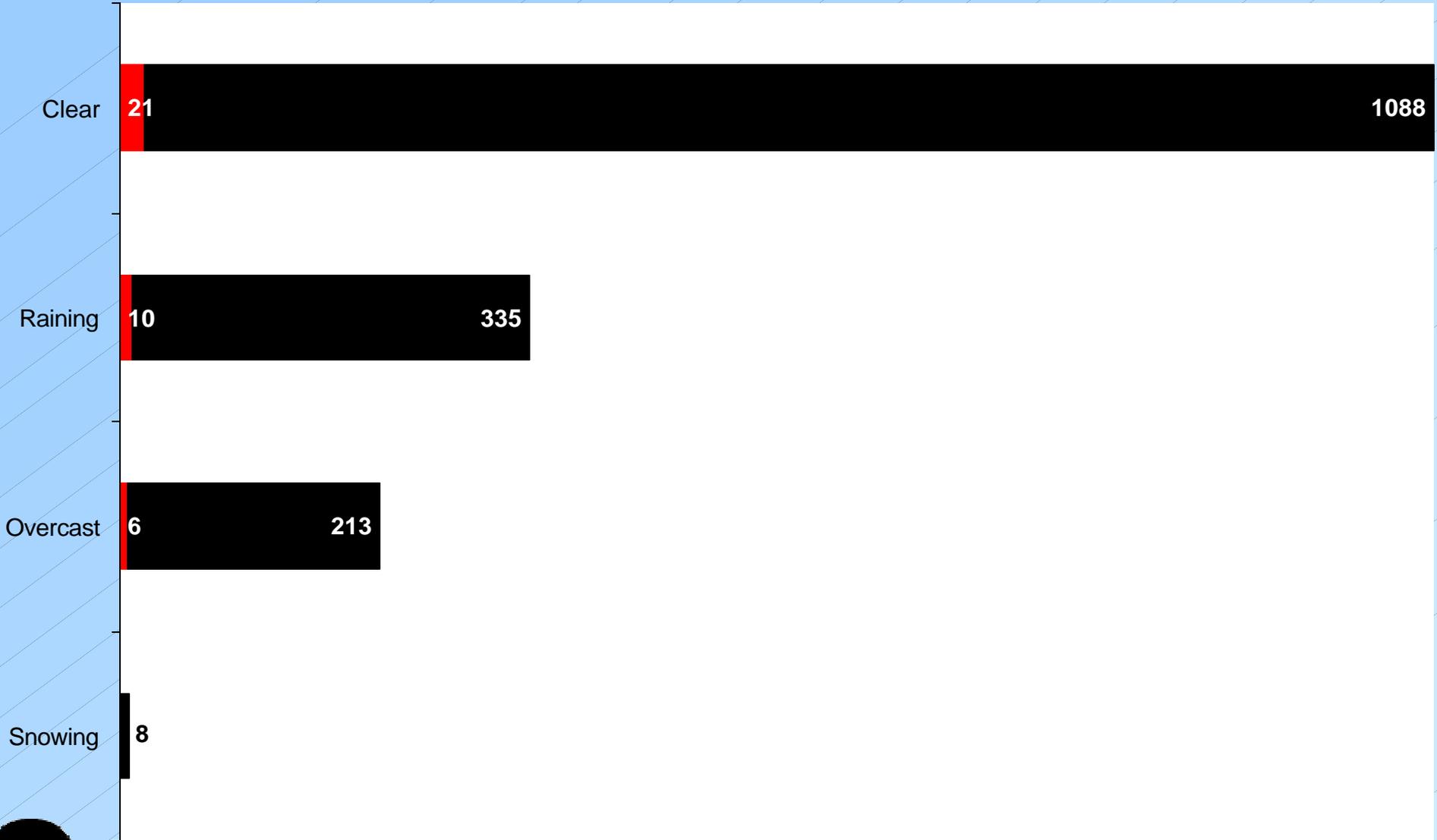
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Weather Conditions

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Light Conditions

Rainier Ave S from South City Limits to Boren Ave S 1/1/02 to 12/31/04

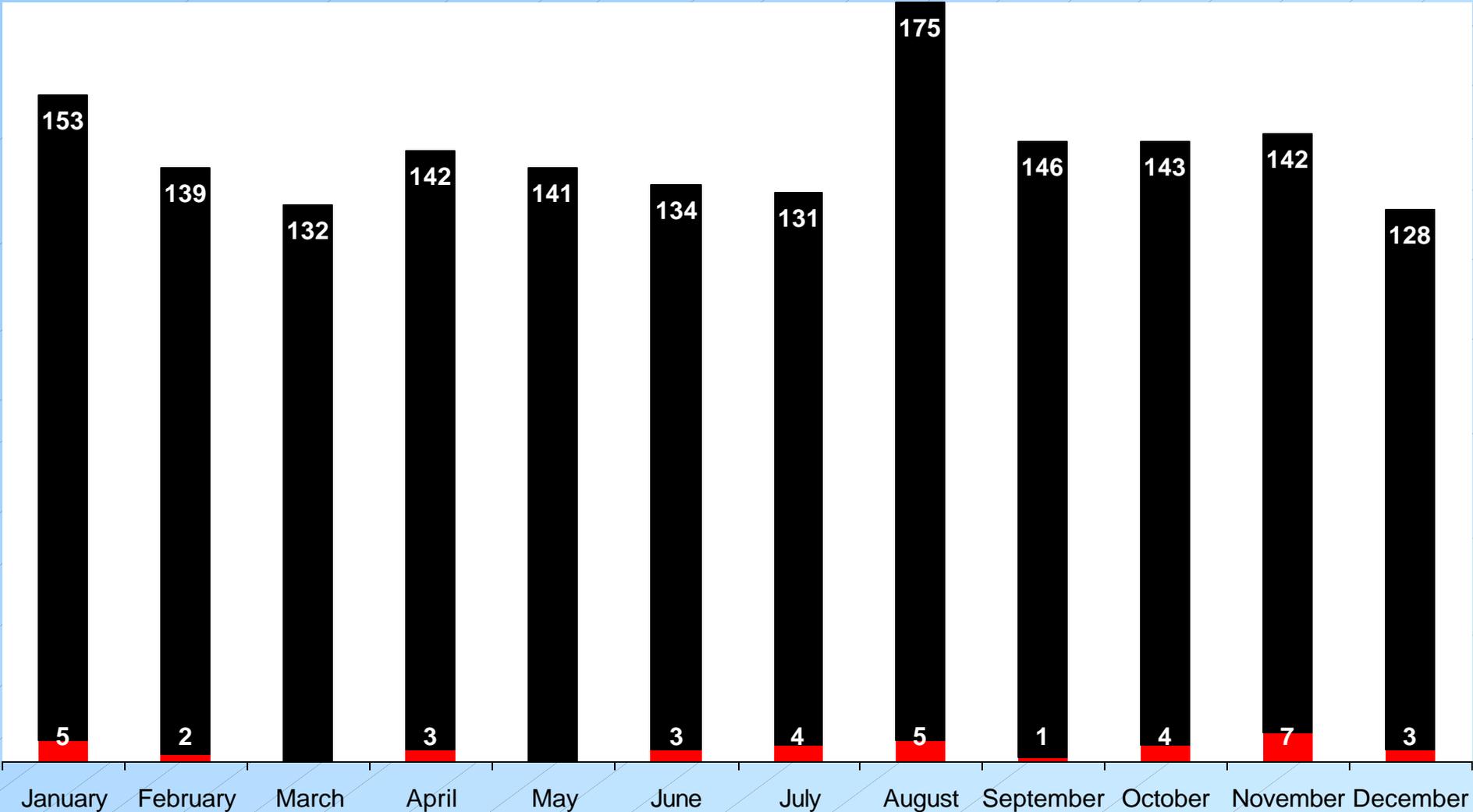
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Collisions by Month

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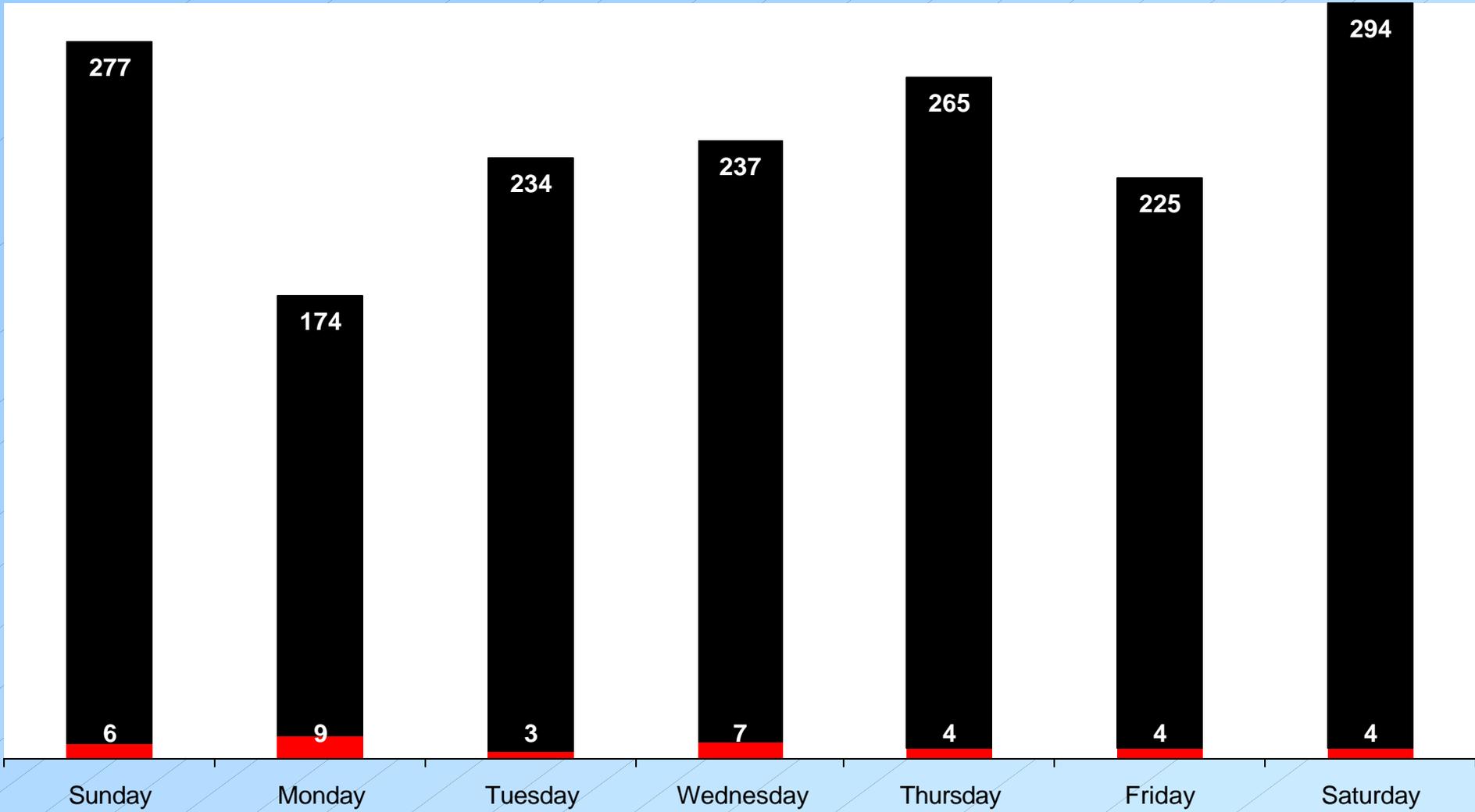


Collisions by Day of Week

Rainier Ave S from South City Limits to Boren Ave S

1/1/02 to 12/31/04

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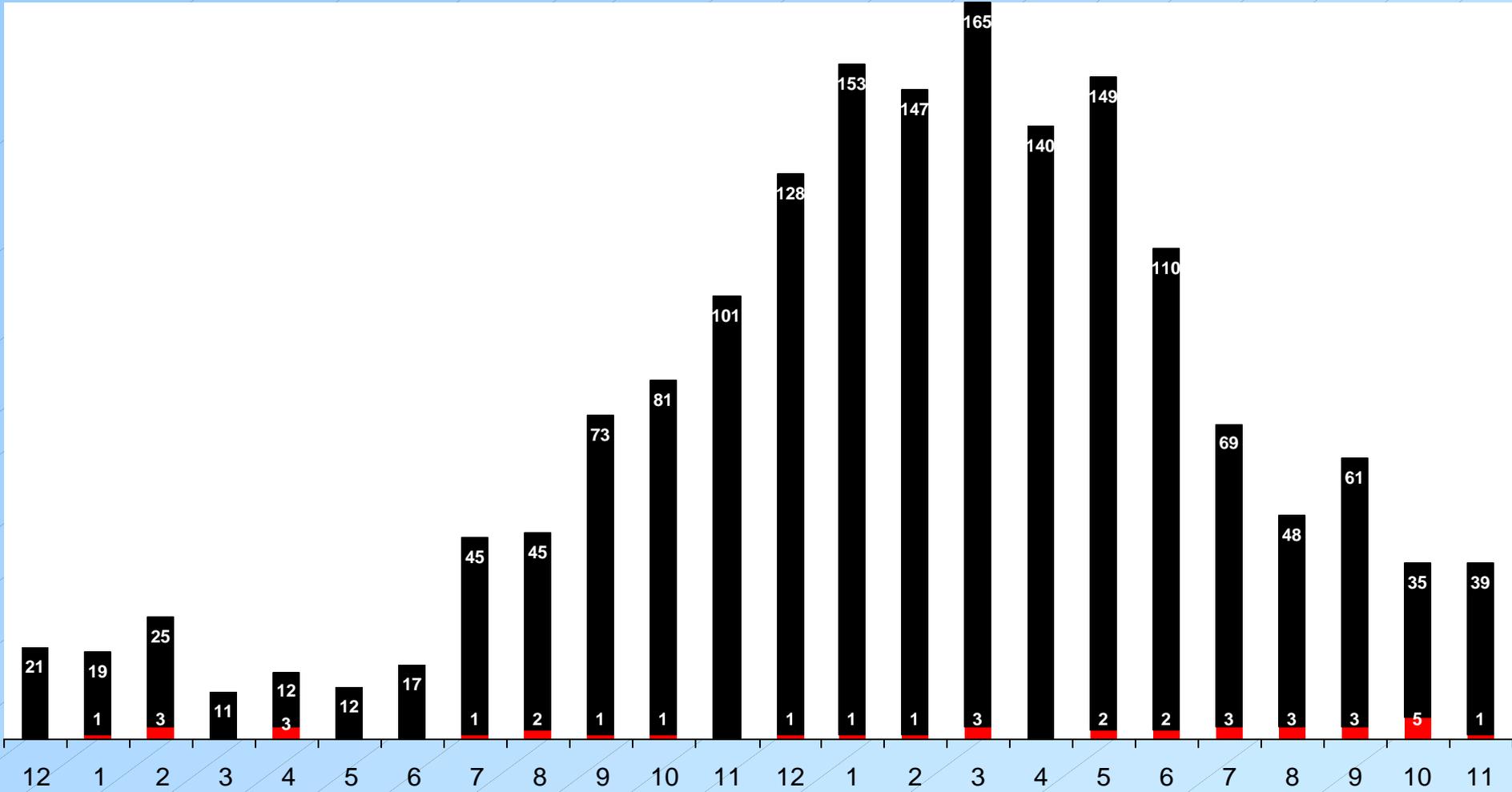


Collisions by Hour of Day

Rainier Ave S from South City Limits to Boren Ave S

1/1/02 to 12/31/04

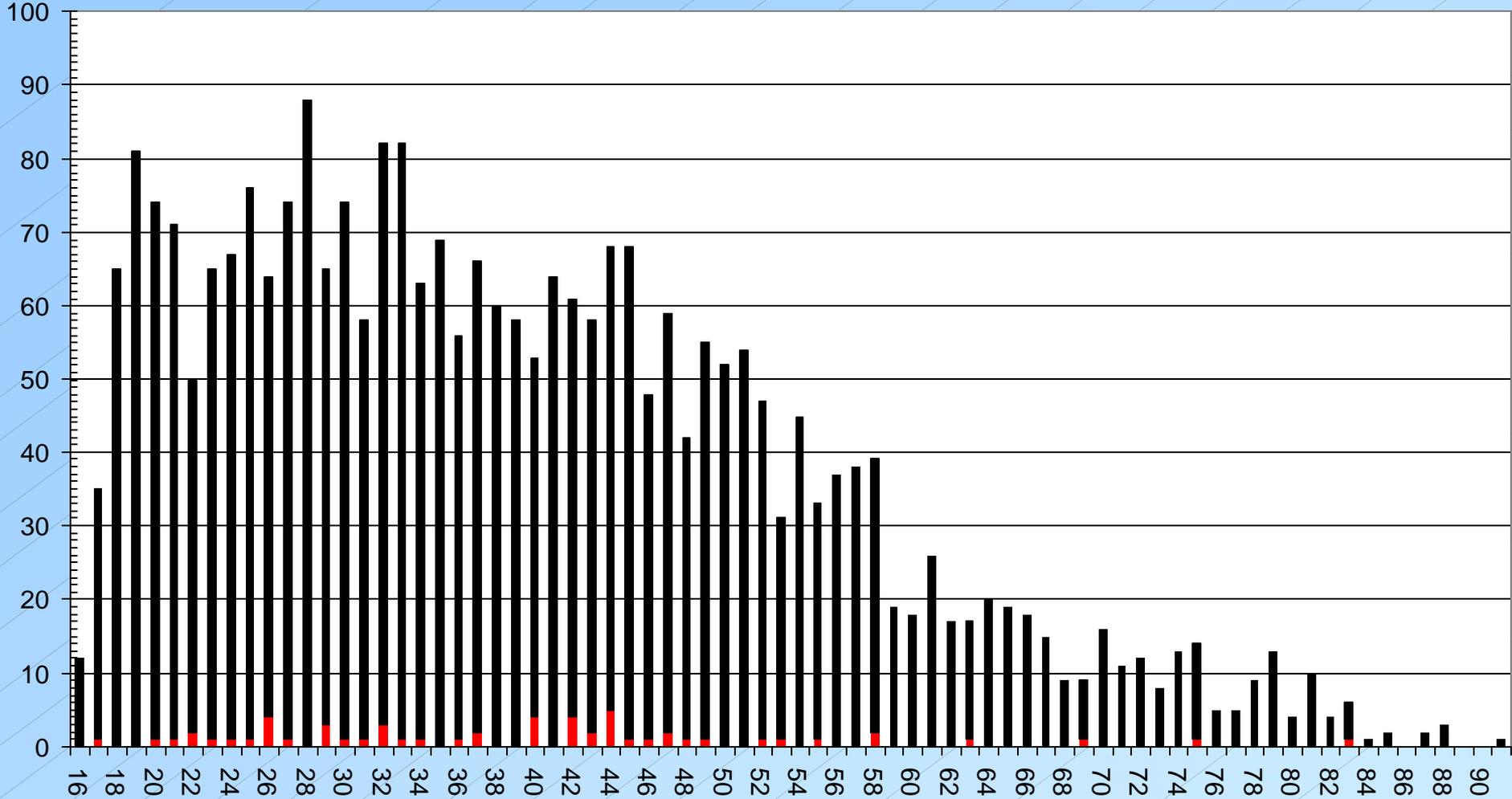
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Age of Drivers

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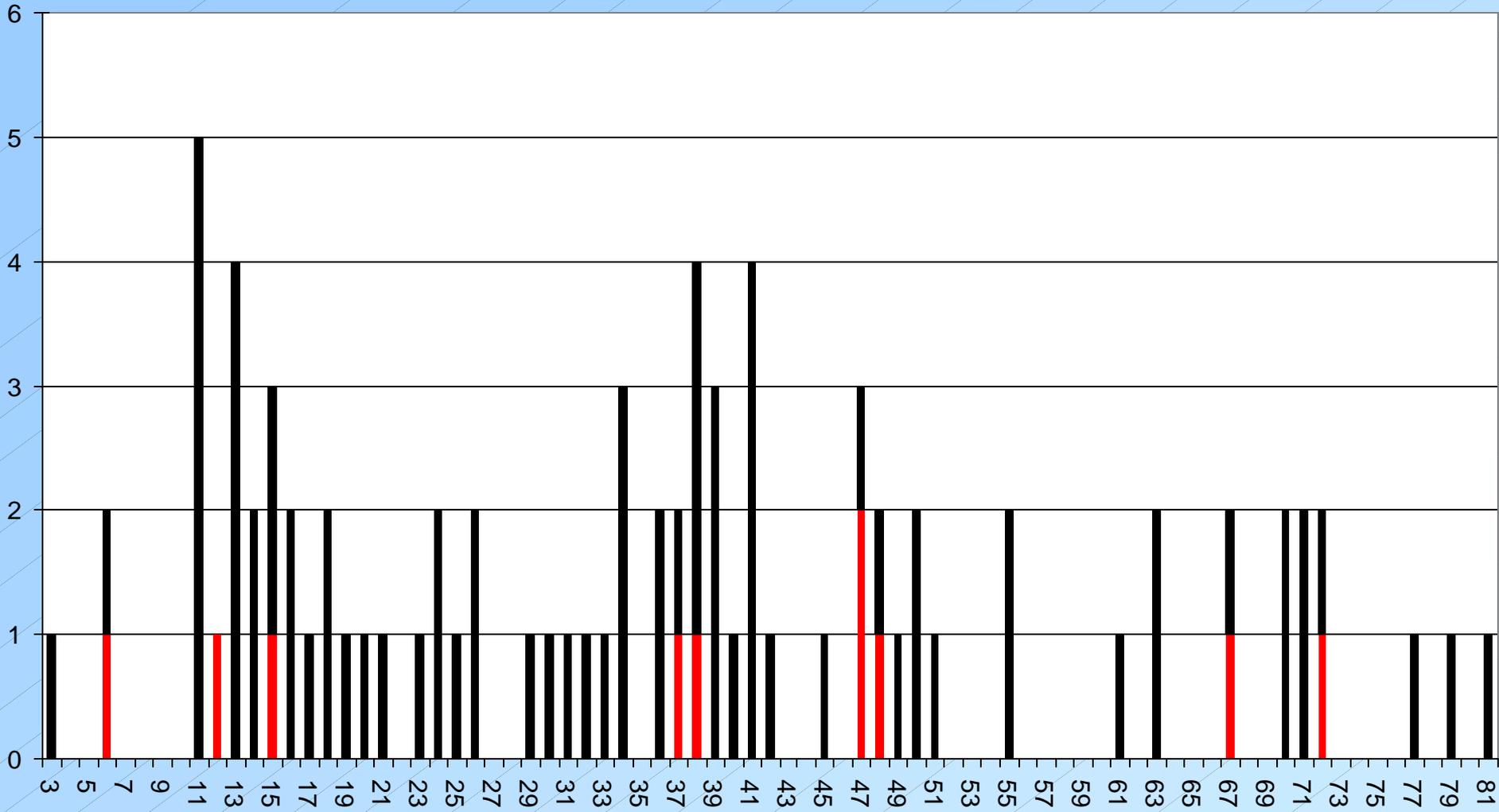


Age of Pedestrians/Cyclists

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1/1/02 to 12/31/04

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Type of Vehicle

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1/1/02 to 12/31/04

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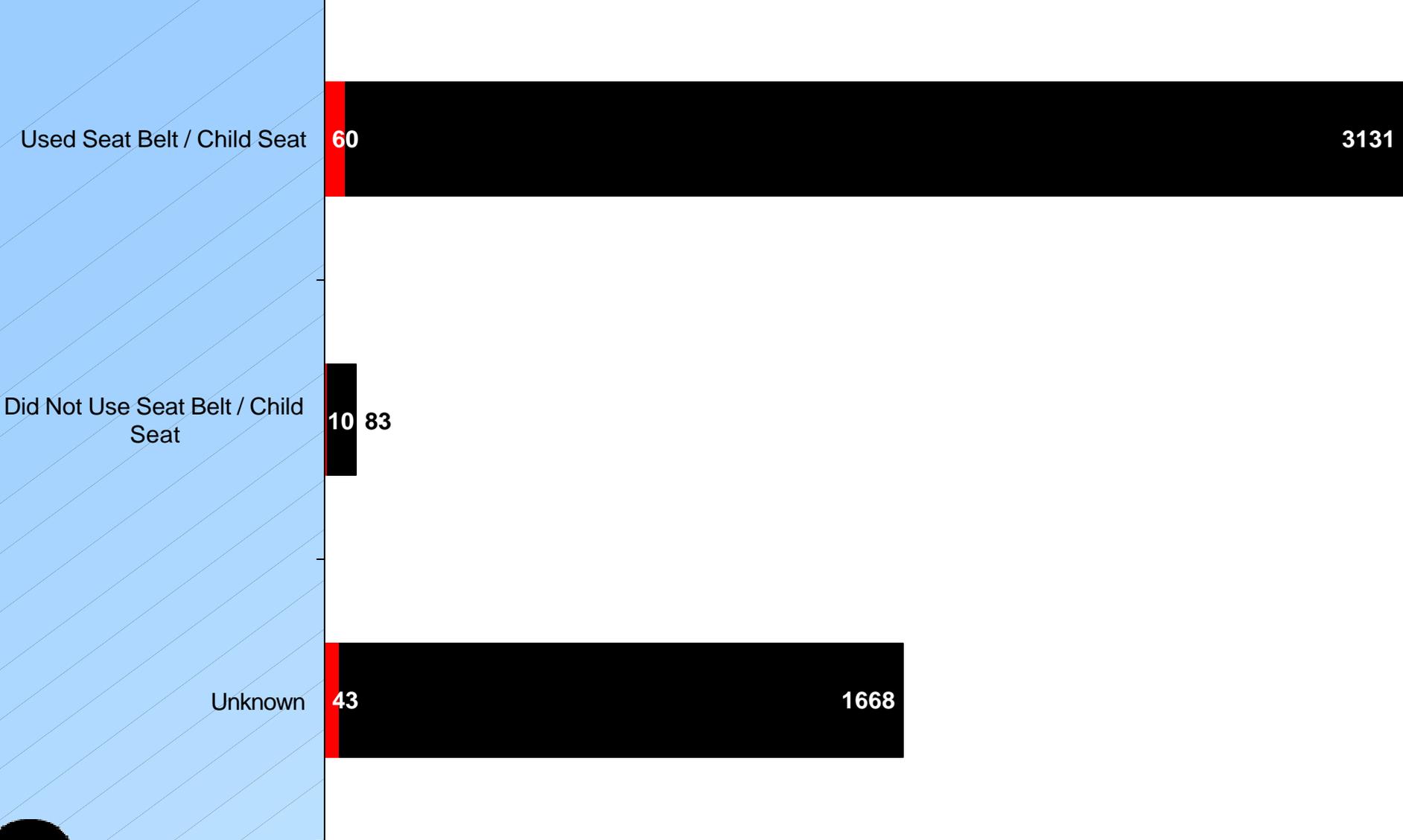


Use of Seat Belt / Child Seat (# of Occupants)

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1/1/02 to 12/31/04

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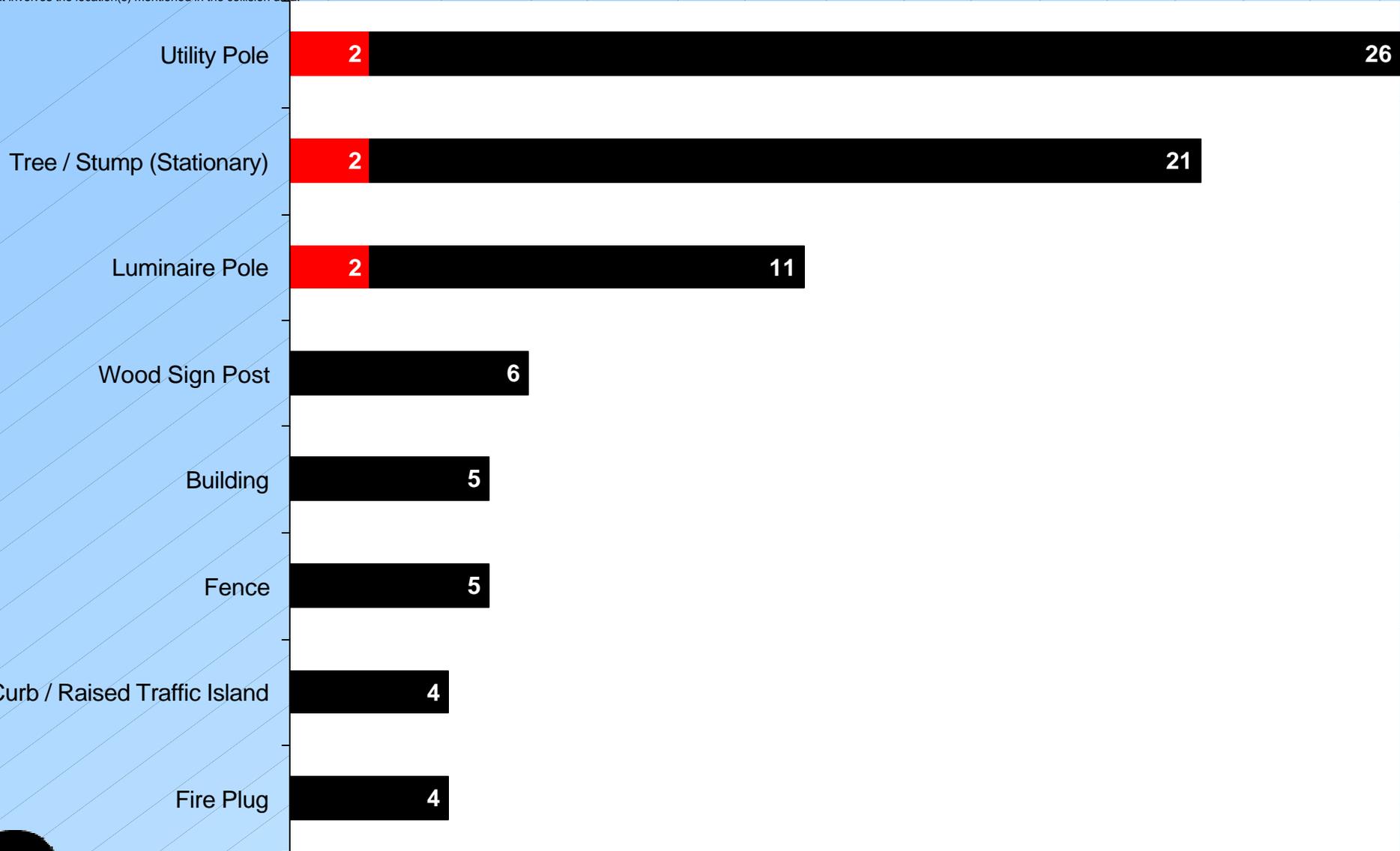


Type of Object Struck (in Hit Fixed Object Collisions)

Rainier Ave S from South City Limits to Boren Ave S

1/1/02 to 12/31/04

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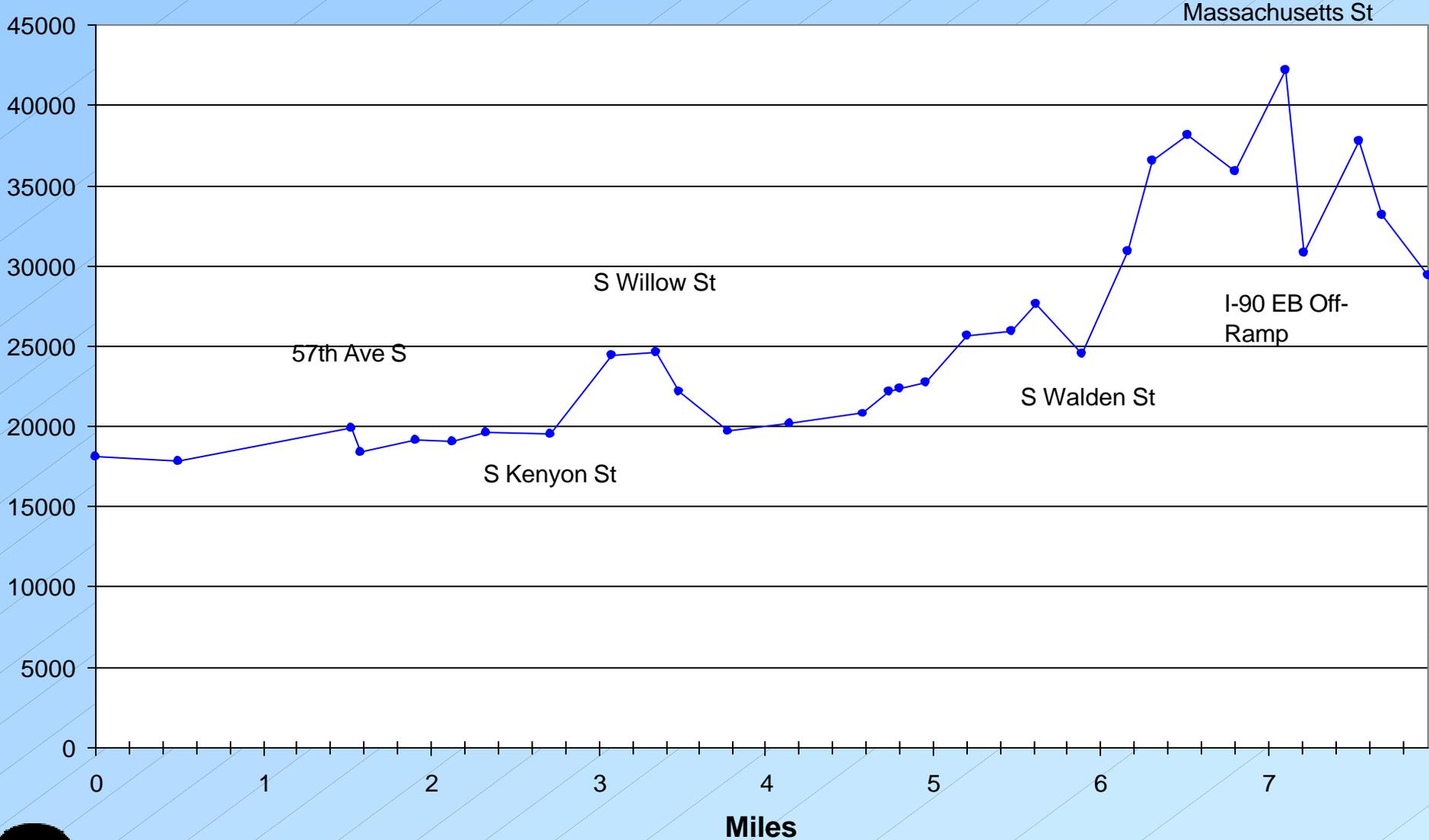


Average Daily Traffic

Rainier Ave S from South City Limits to Boren Ave S

1997-2005

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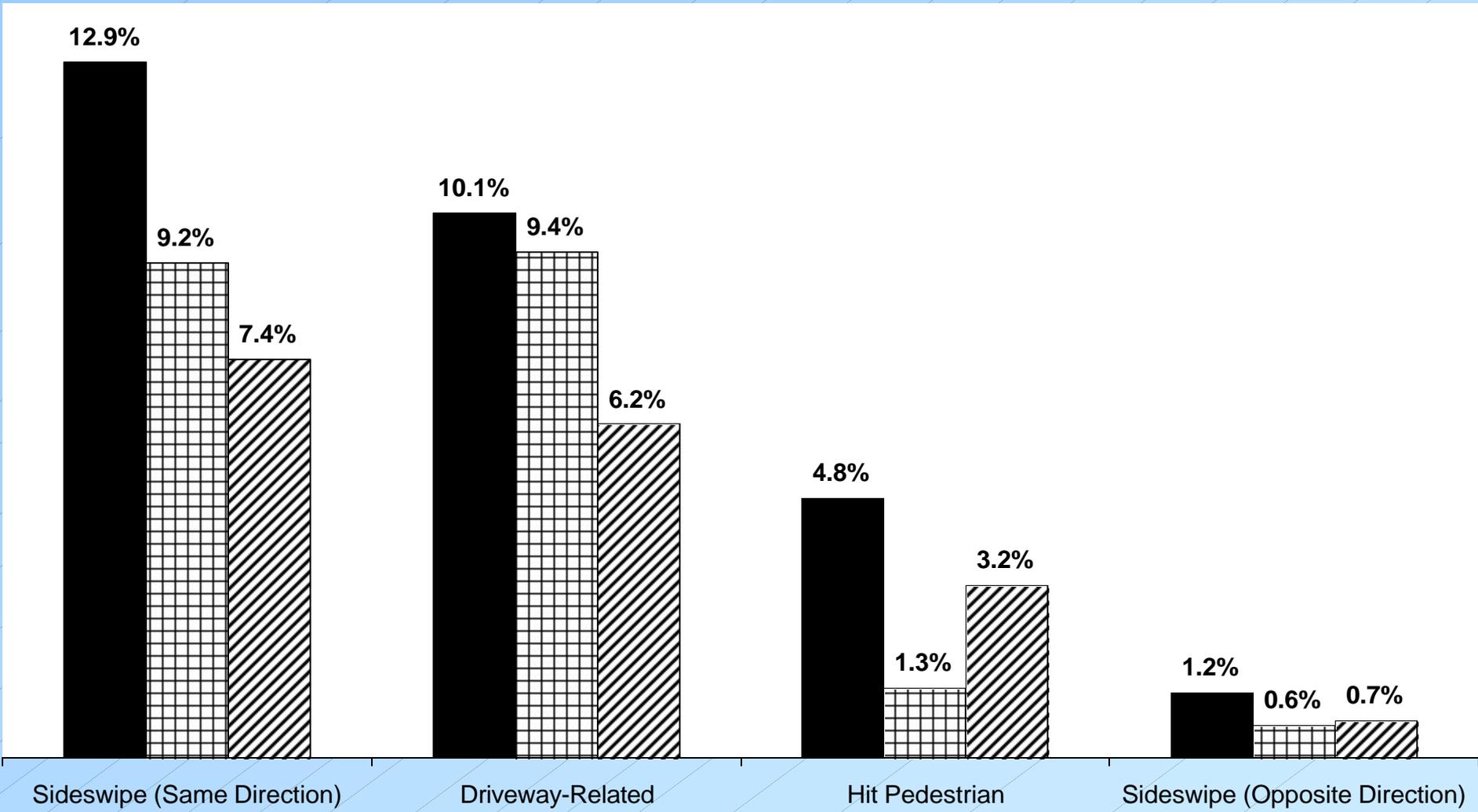


Collision Type Comparison

Rainier Ave S from South City Limits to Boren Ave S

1/1/02 to 12/31/04

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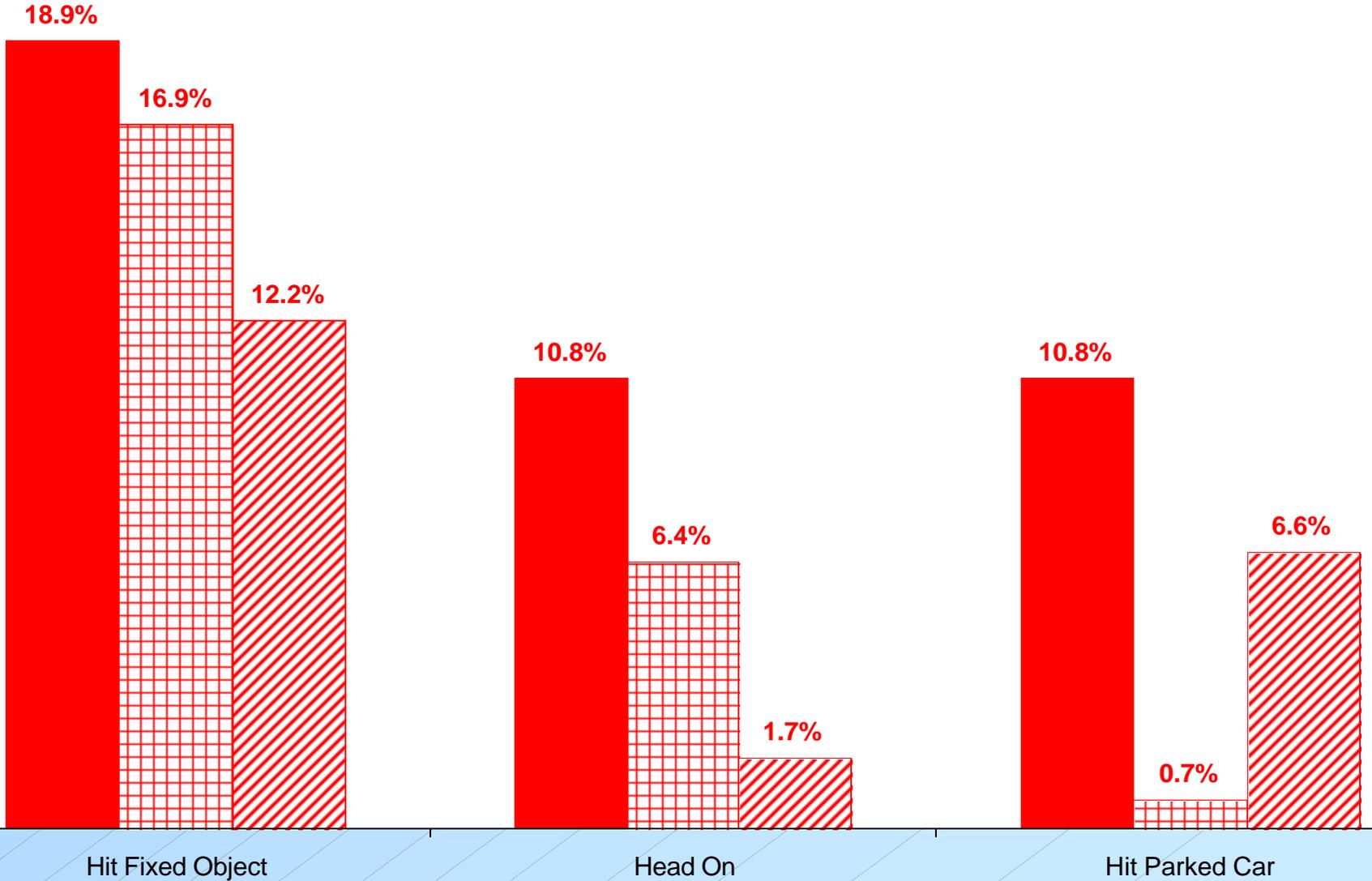


Fatal / Disabling Collision Type Comparison

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1/1/02 to 12/31/04

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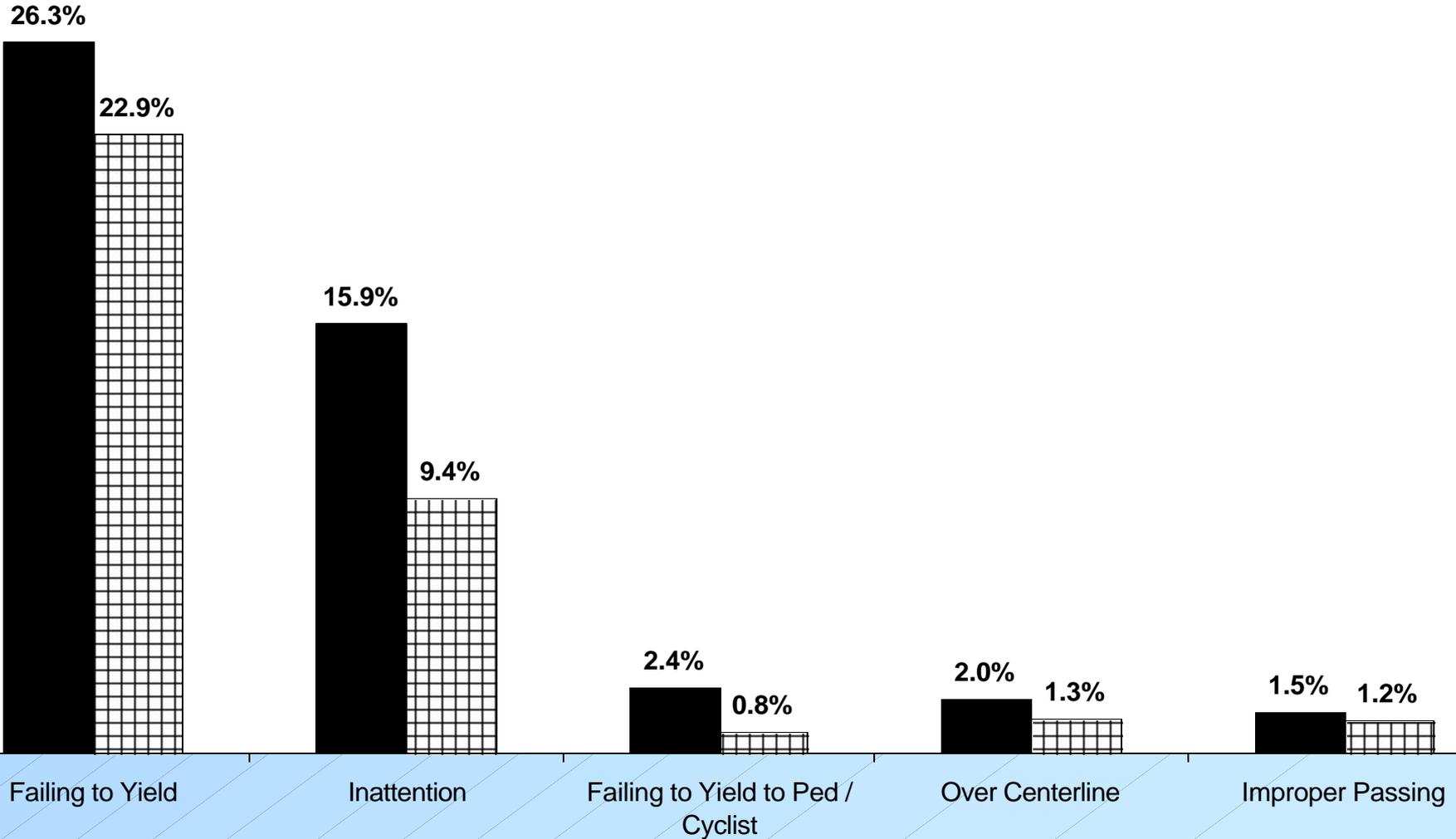


Contributing Causes Comparison

Rainier Ave S from South City Limits to Boren Ave S

1/1/02 to 12/31/04

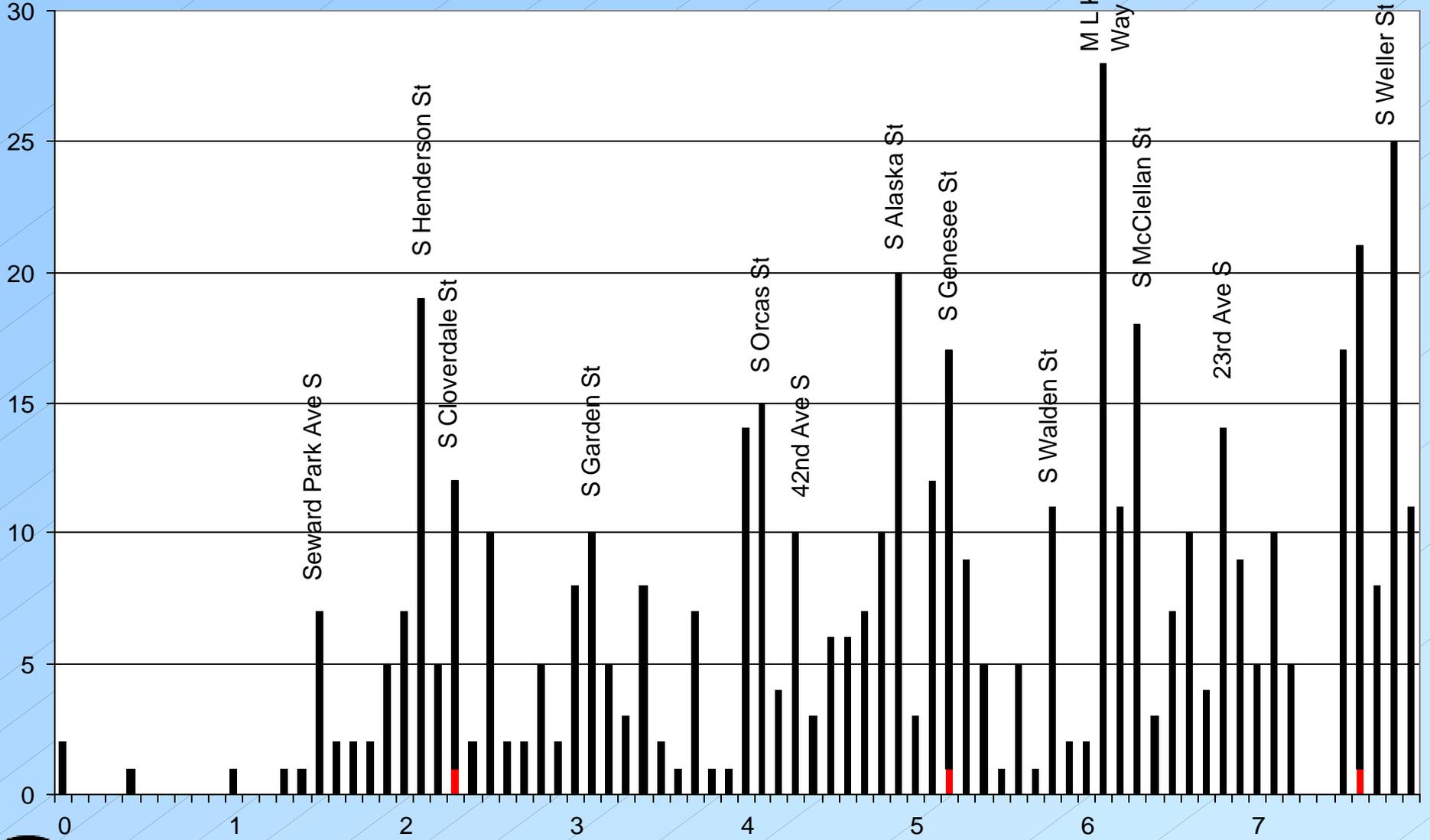
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Rearend Collisions by Mile

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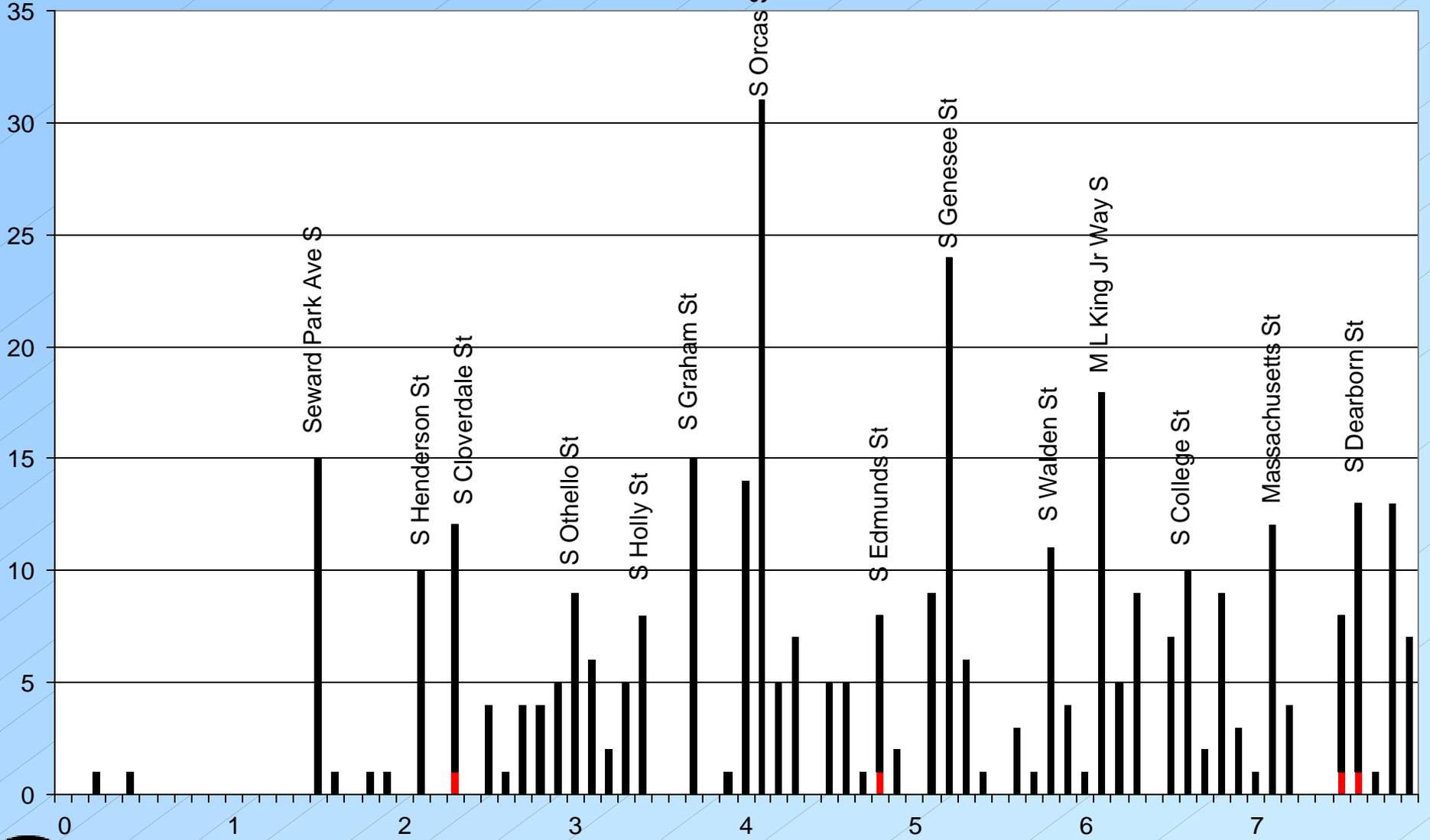


Angle Collisions by Mile

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1/1/02 to 12/31/04

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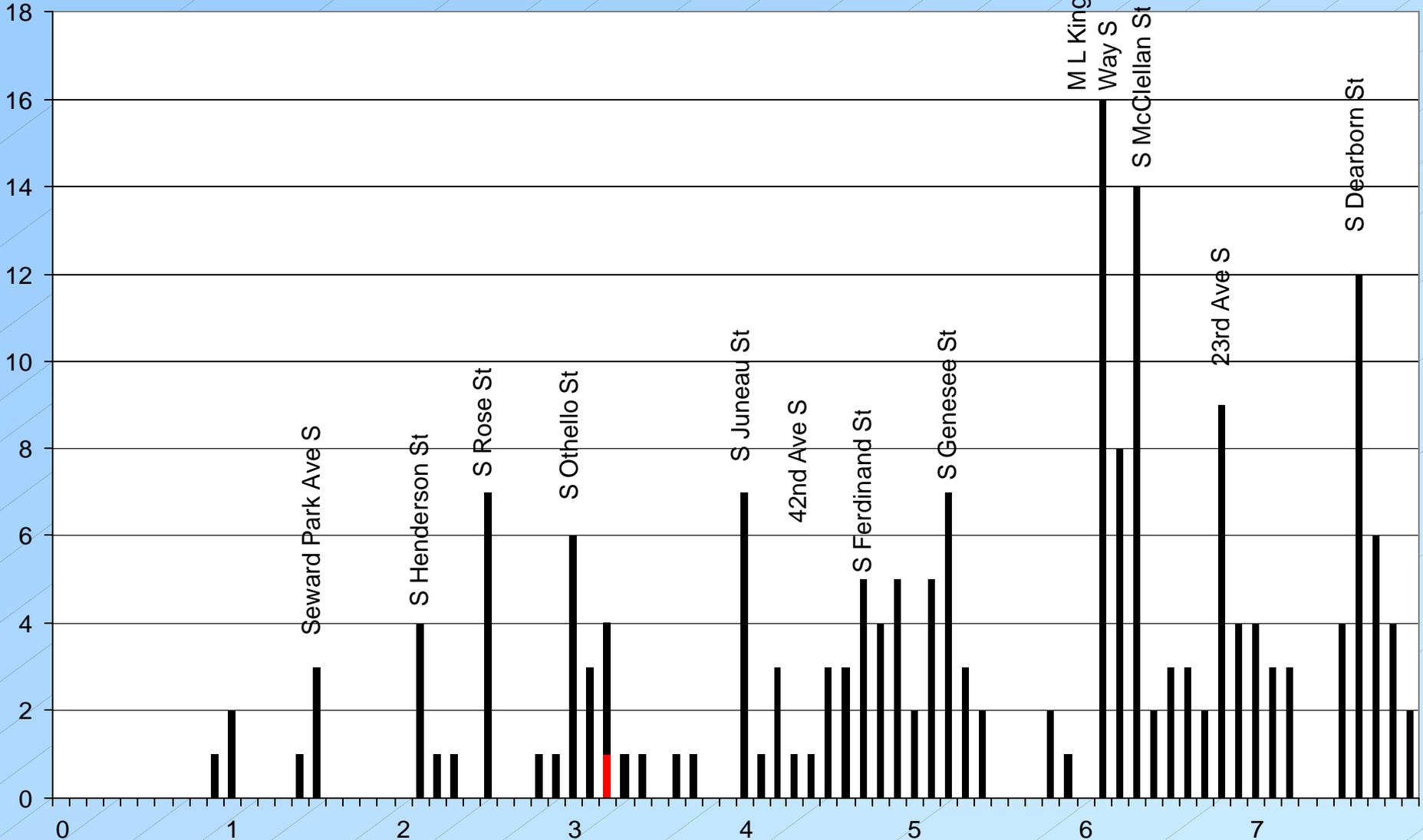


Sideswipe (Same Direction) Collisions by Mile

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1/1/02 to 12/31/04

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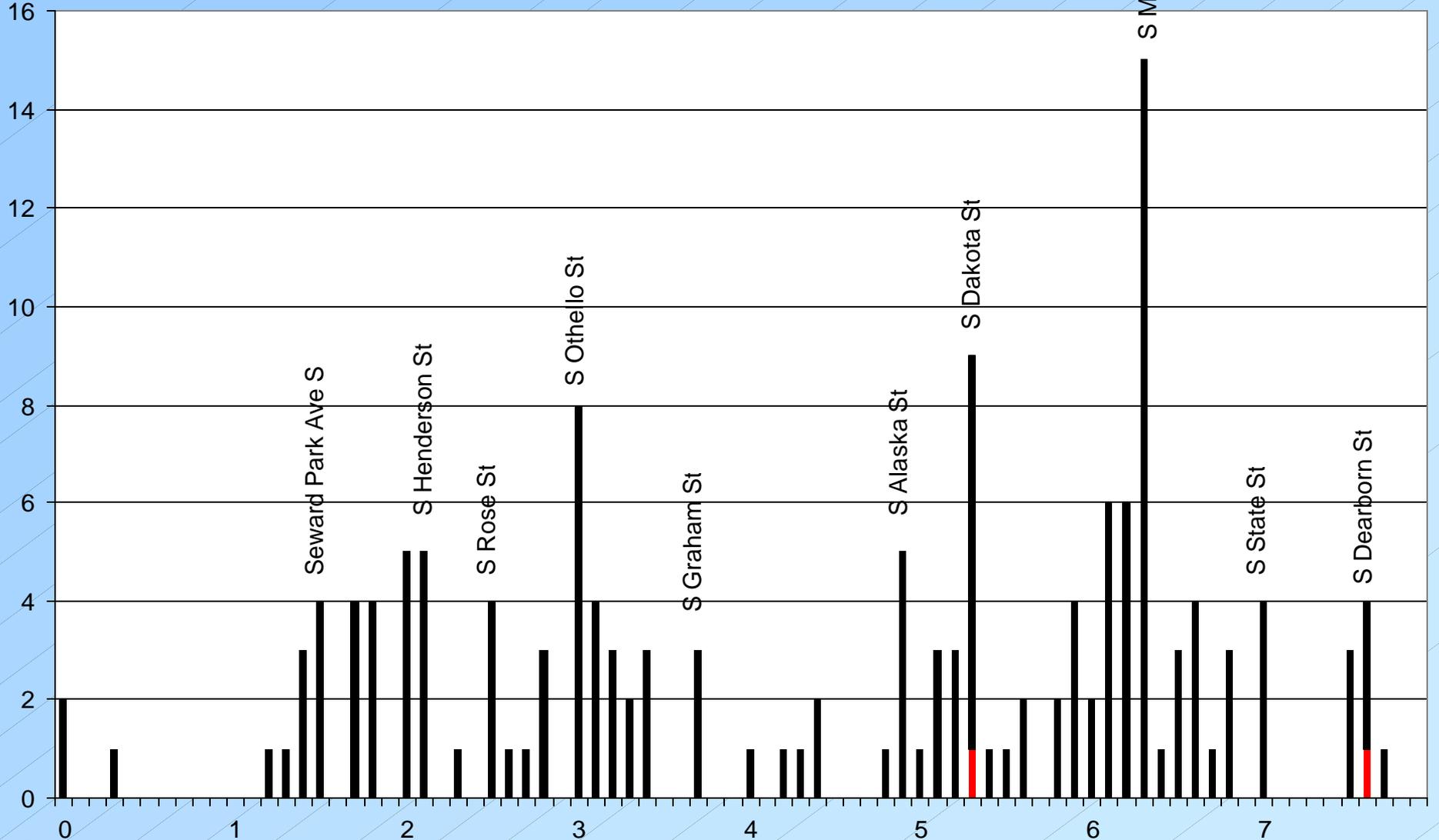


Driveway-Related Collisions by Mile

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Miles

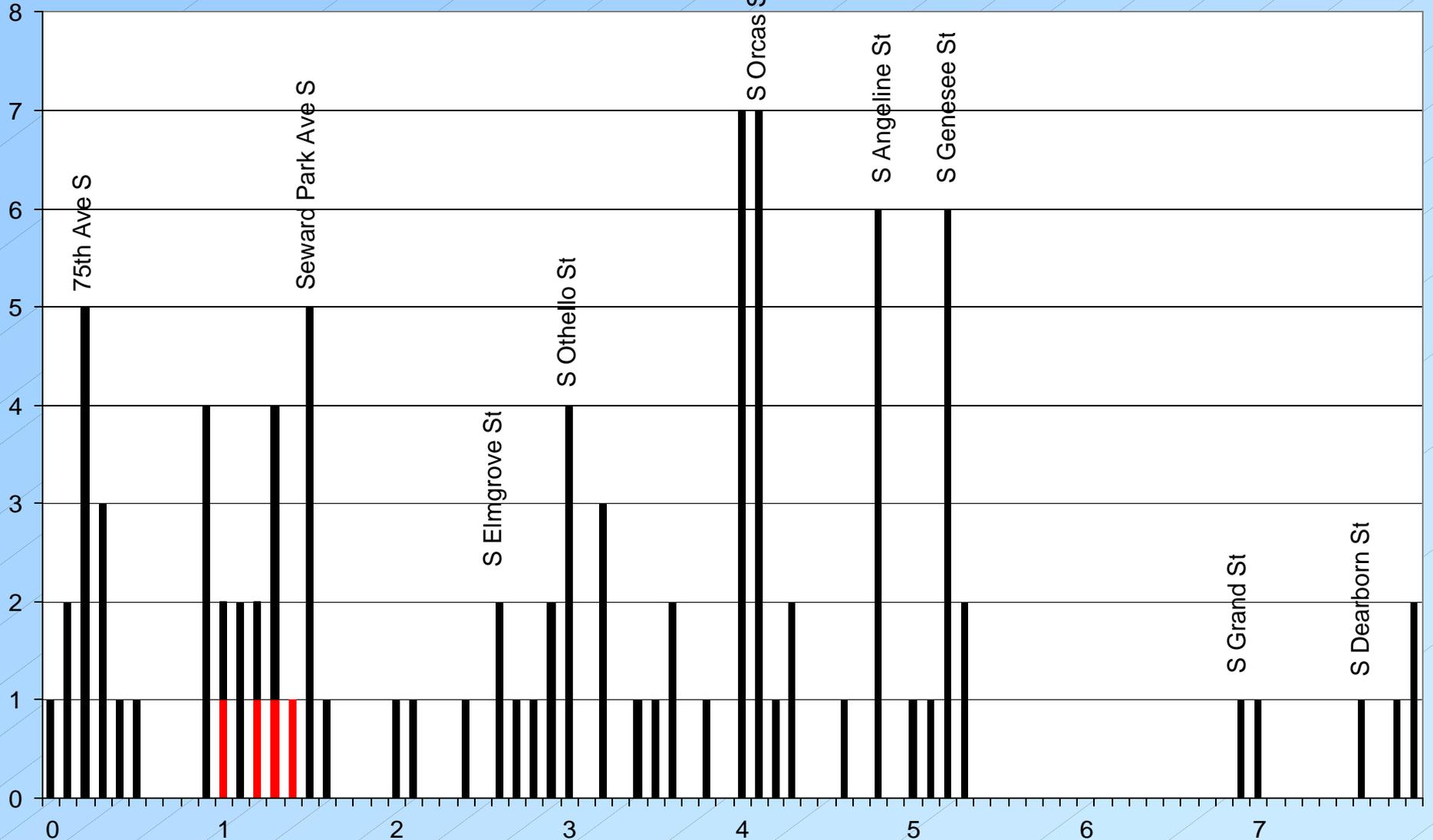
■ Non-Fatal / Disabling Collisions
■ Fatal / Disabling Collisions

Hit Parked Car Collisions by Mile

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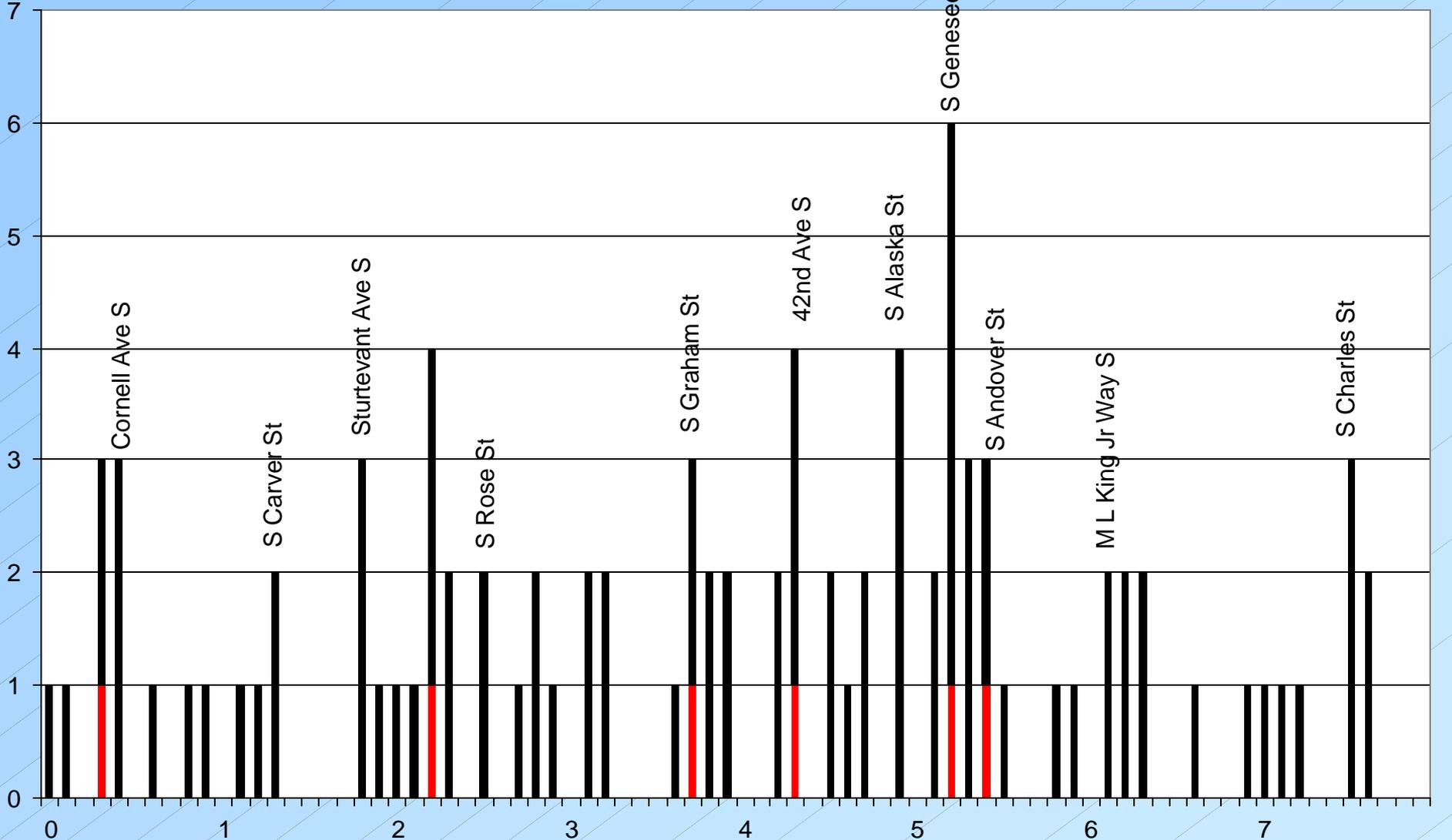


Hit Fixed Object Collisions by Mile

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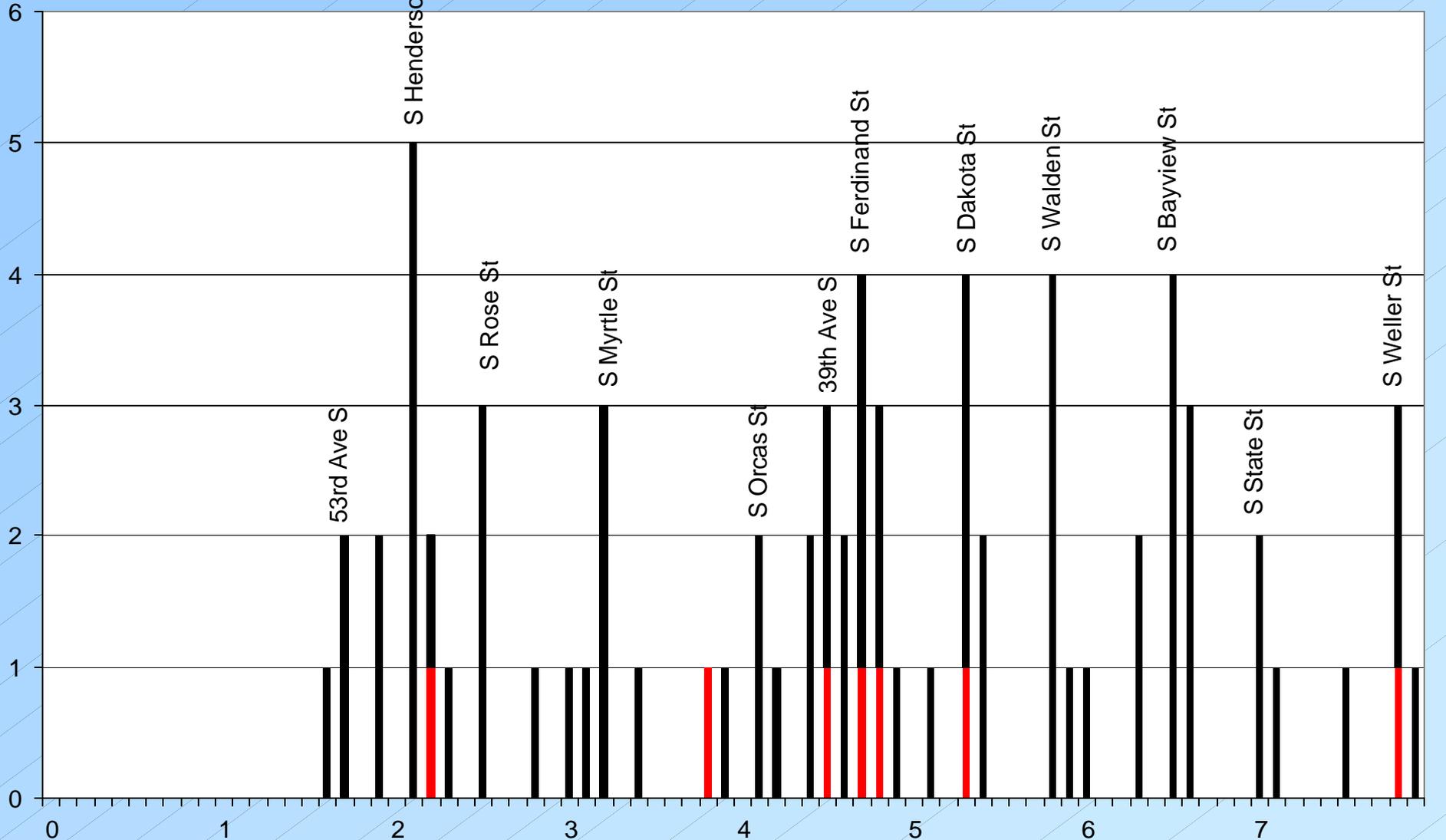


Hit Pedestrian Collisions by Mile

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1/1/02 to 12/31/04

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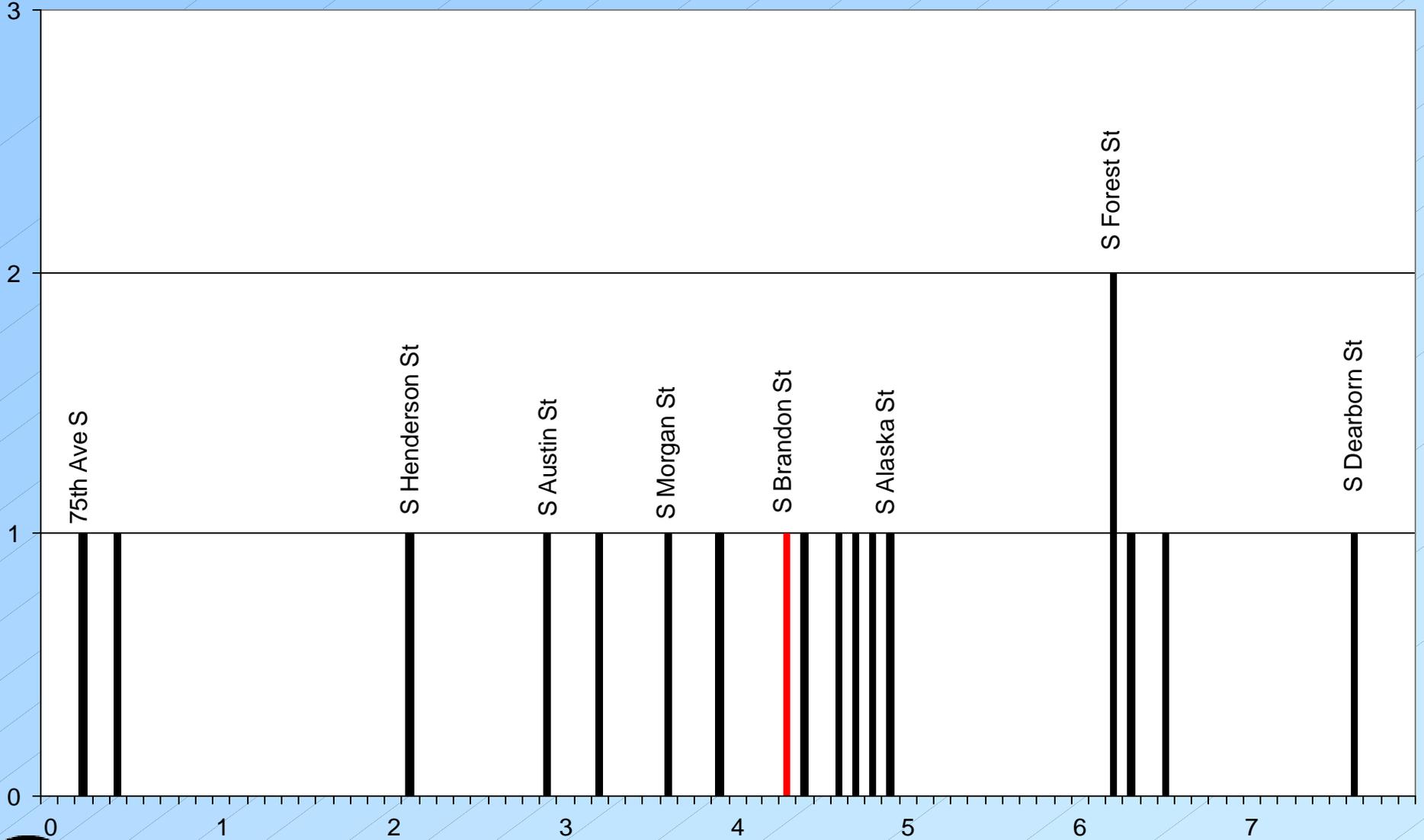


Sideswipe (Opposite Direction) Collisions by Mile

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1/1/02 to 12/31/04

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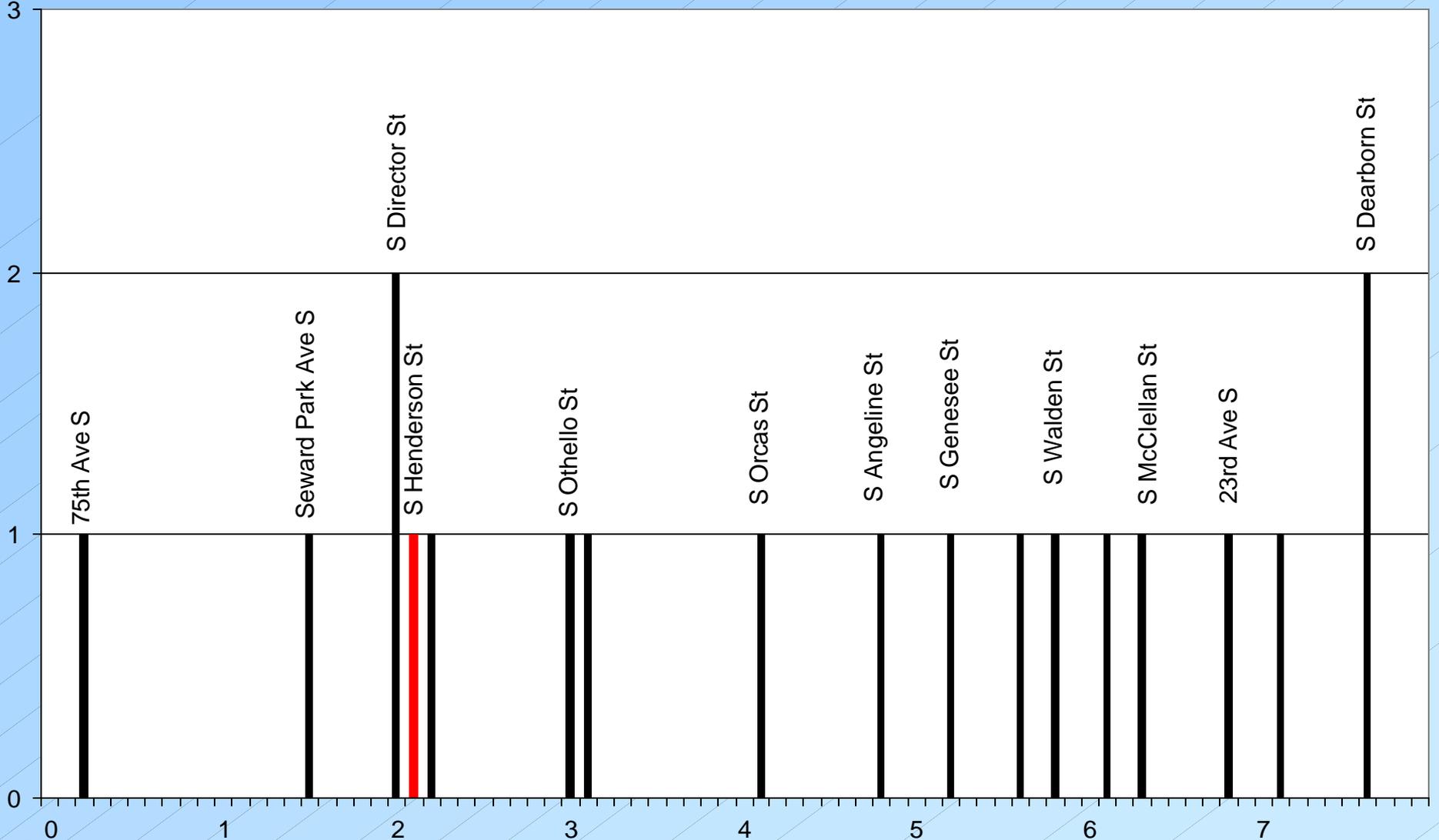


Hit Cyclist Collisions by Mile

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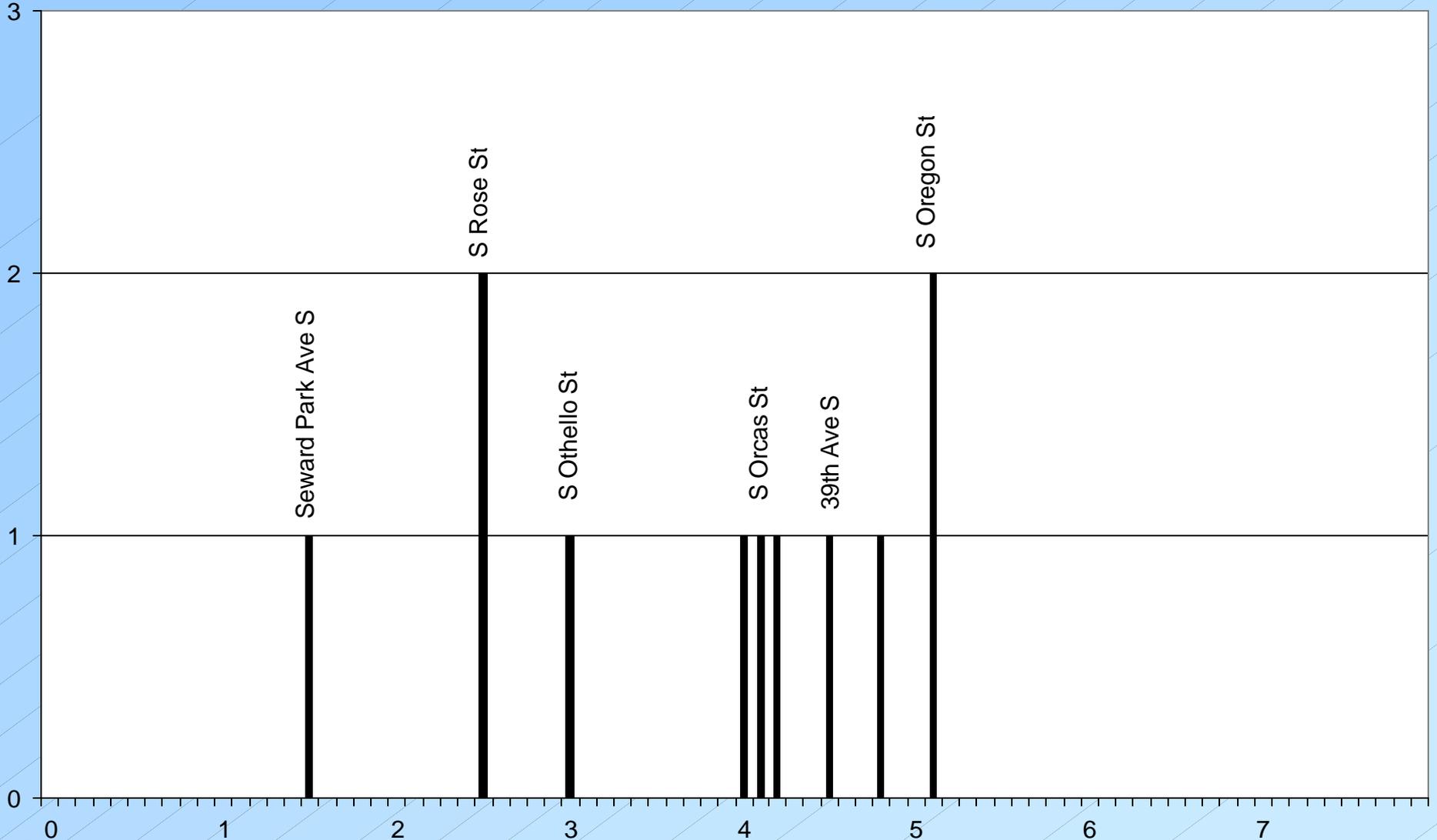


Parking-Related Collisions by Mile

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1/1/02 to 12/31/04

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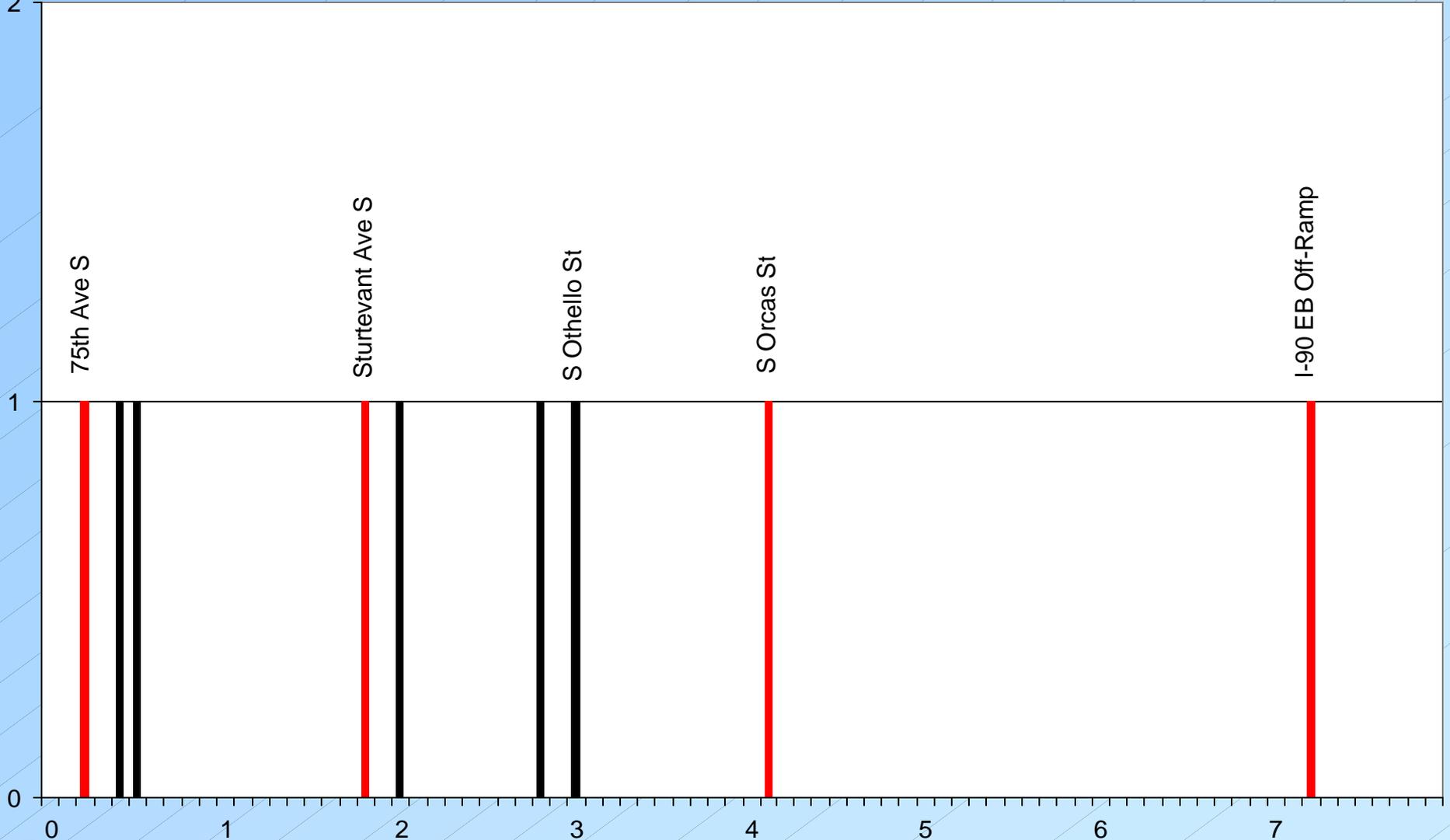
Head On Collisions by Mile

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2



Overturn Collisions by Mile

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1/1/02 to 12/31/04

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