

WISLR CONCEPTS

On /AT and Toward: A Linear Reference Method

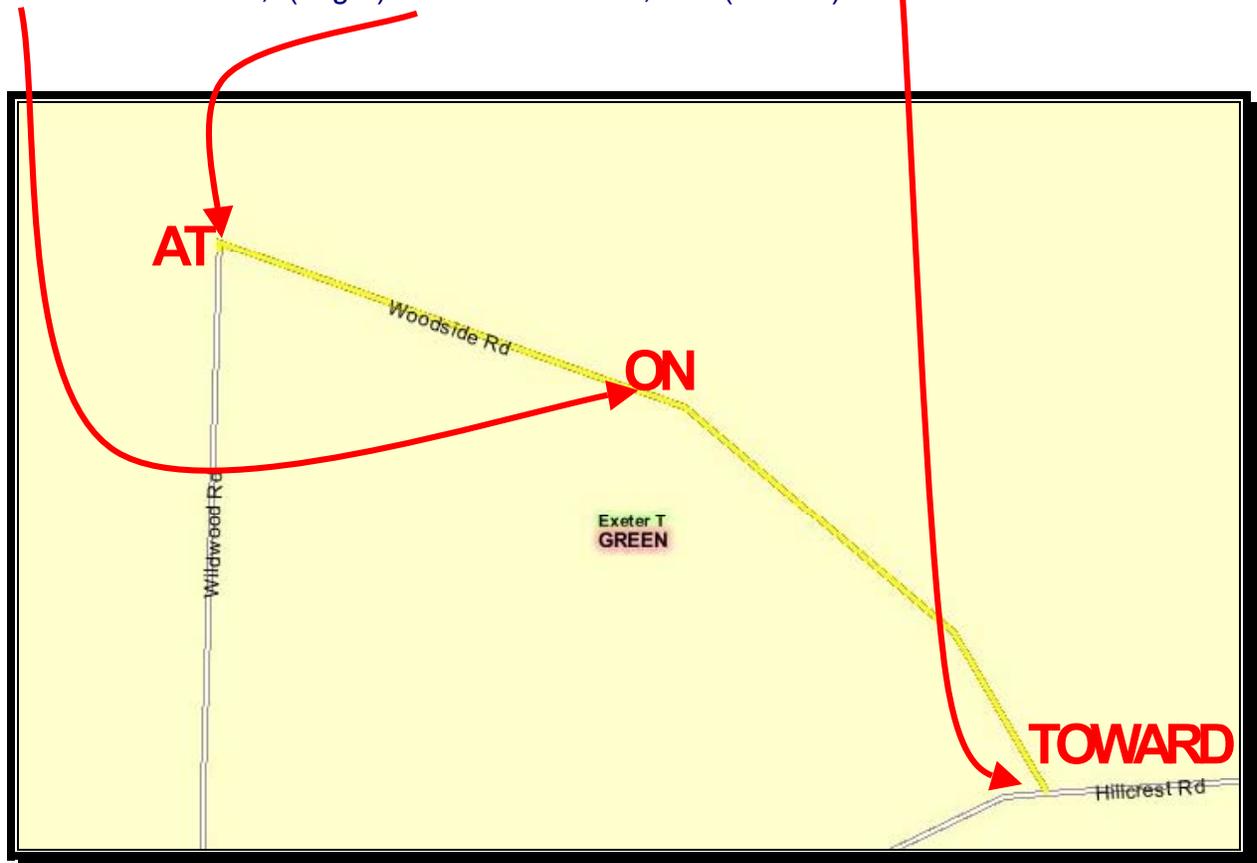
In WISLR, the words **On**, **At**, and **Toward** are not just prepositions we learned about in grammar class. They represent reference points that make up WISLR's linear reference method. Simply put, you must define the section of road that you want to look at, plus the start and end points on the road in order to request information about that road:

- Which road to select with the reference point ON
- Where to begin the inquiry with the reference point AT
- The direction of the inquiry *and* end point with the reference point TOWARD

Think of it in this way:

WISLR, Please show a map of Woodside Road. Begin at the intersection of Wildwood Road, and end at the intersection of Hillcrest Road.

ON Woodside Rd., (begin) **AT** Wildwood Rd., and (end on) **TOWARD** Hillcrest Rd.



WISLR CONCEPTS

View by Intersections Toggle: Yes or No?

Key Terms

Data Break: The point on a roadway where an attribute changes from one type or classification to another.

View with Intersections Toggle Set to NO

WISLR displays data on a given road including any *data breaks* or changes in attribute data. For example, if a road contains two types of median, WISLR displays where each section of median begins and ends.

View by Data Break: University Avenue

Wisconsin Department of Transportation
Wednesday Apr 9, 2003

Wisconsin Information System for Local Roads

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District: 1 County: DANE (13) Municipality: MADISON (C) (251) Certification Year: 2003

Location

Rd/St Name: University Ave Rd/St Length: 4.600 mi. | At/Toward Certified Mileage: 1.790 mi. View by Intersections? Unit of Measurement
At: Allen Blvd Toward: N Segoe Rd Yes No Feet Miles

Retrieve Inventory

Physical Inventory Administrative Inventory

View Physical Inventory

Map +	Attribute Name	Occurs	From	Offset	To	Offset	Length	Attribute Value
+	Surface	1 of 6	0.000	0.470	0.470	Type: 60-Hot Mix Asphalt Pavement on Concrete (HMAC on PCC), Width: 50 ft, Year: 1988		
+	Left Shoulder	1 of 5	0.000	0.470	0.470	Type: 3-Paved, Width: 6 ft		
+	Right Shoulder	1 of 6	0.000	0.470	0.470	Type: 3-Paved, Width: 6 ft		
+	One Way	1 of 1	0.000	1.790	1.790	One Way: No		
+	Right-of-Way	1 of 6	0.000	0.740	0.740	Indicator: A, Width: 100 ft		
+	Median	1 of 2	0.930	1.010	0.080	Type: 2-Clear grass with occasional shrubs, Width: 12 ft		

If the value in the **Occurs** field is greater than **1 of 1**, click on the **+** icon to see the details. This action expands the attribute and displays the changes in attribute information.

To specify either feet or miles, click on your choice in the **Unit of Measurement** field.

TIP: The **Unit of Measurement** field defaults to **Feet** until you choose **Miles**. However, WISLR remembers your last unit of measurement the next time you log in and defaults to that unit.

Clicking on the **Master Plus Icon** for attributes with values of greater than **1 of 1** in the **Occurs** field results in expanding the table to show where *all* attribute information changes.

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Wednesday, Apr 9, 2003

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At: Allen Blvd Toward: N Segoe Rd Yes No Feet Miles

Retrieve Inventory

Physical Inventory Administrative Inventory View Physical Inventory

Map	Attribute Name	Occurs	From	Offset	To	Offset	Length	Attribute Value
	Surface	1 of 6	0.000	0.470	0.470	Type: 60-Hot Mix Asphalt Pavement on Concrete (HMAC on PCC), Width: 50 ft, Year: 1988		
		2 of 6	0.470	0.560	0.090	Type: 70-Hot Mix Asphalt Pavement (HMAC), Width: 50 ft, Year: 1993		
		3 of 6	0.560	0.650	0.090	Type: 70-Hot Mix Asphalt Pavement (HMAC), Width: 50 ft, Year: 1994		
		4 of 6	0.650	0.930	0.280	Type: 60-Hot Mix Asphalt Pavement on Concrete (HMAC on PCC), Width: 50 ft, Year: 1988		
		5 of 6	0.930	1.710	0.780	Type: 60-Hot Mix Asphalt Pavement on Concrete (HMAC on PCC), Width: 44 ft, Year: 1988		
		6 of 6	1.710	1.790	0.080	Type: 75-Concrete Pavement (PCC), Width: 44 ft, Year: 1963		
	Left Shoulder	1 of 1	0.000	0.470	0.470	Type: 3-Paved, Width: 6 ft		

The screen changes to display all attributes as in the example below:

Rd/St Name: University Ave Rd/St Length: 4.600 mi. | At/Toward Certified Mileage: 1.790 mi. View by Intersections? Unit of Measurement
At: Allen Blvd Toward: N Segoe Rd Yes No Feet Miles

Retrieve Inventory

Physical Inventory Administrative Inventory View Physical Inventory

Map	Attribute Name	Occurs	From	Offset	To	Offset	Length	Attribute Value
	Surface	1 of 6	0.000	0.470	0.470	Type: 60-Hot Mix Asphalt Pavement on Concrete (HMAC on PCC), Width: 50 ft, Year: 1988		
		2 of 6	0.470	0.560	0.090	Type: 70-Hot Mix Asphalt Pavement (HMAC), Width: 50 ft, Year: 1993		
		3 of 6	0.560	0.650	0.090	Type: 70-Hot Mix Asphalt Pavement (HMAC), Width: 50 ft, Year: 1994		
		4 of 6	0.650	0.930	0.280	Type: 60-Hot Mix Asphalt Pavement on Concrete (HMAC on PCC), Width: 50 ft, Year: 1988		
		5 of 6	0.930	1.710	0.780	Type: 60-Hot Mix Asphalt Pavement on Concrete (HMAC on PCC), Width: 44 ft, Year: 1988		
		6 of 6	1.710	1.790	0.080	Type: 75-Concrete Pavement (PCC), Width: 44 ft, Year: 1963		
	Left Shoulder	1 of 5	0.000	0.470	0.470	Type: 3-Paved, Width: 6 ft		
		2 of 5	0.470	0.560	0.090	Type: 2-Gravel, Width: 3 ft		
		3 of 5	0.560	0.930	0.370	Type: 0-None, Width: 0 ft		
		4 of 5	0.930	1.300	0.370	Type: 3-Paved, Width: 6 ft		
		5 of 5	1.300	1.790	0.490	Type: 0-None, Width: 0 ft		
	Right Shoulder	1 of 6	0.000	0.470	0.470	Type: 3-Paved, Width: 6 ft		
		2 of 6	0.470	0.560	0.090	Type: 2-Gravel, Width: 3 ft		
		3 of 6	0.560	0.930	0.370	Type: 0-None, Width: 0 ft		
		4 of 6	0.930	1.300	0.370	Type: 3-Paved, Width: 6 ft		
		5 of 6	1.300	1.710	0.410	Type: 0-None, Width: 0 ft		

View with Intersections Toggle Set to YES

This viewing option includes all intersections between the **AT** field and the **Toward** field. The certified mileage total of 9451 feet listed in the example below represents the mileage between the intersections defined in the **At** and **Toward** fields.

Wisconsin Department of Transportation
 Thursday, Apr 10, 2003

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At: Allen Blvd Toward: N Segoe Rd Yes No Feet Miles

Retrieve Inventory

Physical Inventory Administrative Inventory **View Physical Inventory**

Map +	Attribute Name	Occurs	At Intersection	From Offset	To Offset	Length	Attribute Value
	Surface	1 of 23	Allen Blvd	0.000	0.110	0.110	Type: 60-Hot Mix Asphalt Pavement on Concrete (HMAC on PCC), Width: 50 ft, Year: 1988
	Left Shoulder	1 of 21	Allen Blvd	0.000	0.110	0.110	Type: 3-Paved, Width: 6 ft
	Right Shoulder	1 of 22	Allen Blvd	0.000	0.110	0.110	Type: 3-Paved, Width: 6 ft
	One Way	1 of 19	Allen Blvd	0.000	0.110	0.110	One Way: No
	Right-of-Way	1 of 22	Allen Blvd	0.000	0.110	0.110	Indicator: A, Width: 100 ft
	Median	1 of 5	Norman Way	0.190	0.210	0.020	Type: 2-Clear grass with occasional shrubs, Width: 12 ft
	Left Curb	1 of 17	Allen Blvd	0.000	0.110	0.110	Type: 0-None
	Right Curb	1 of 17	Allen Blvd	0.000	0.110	0.110	Type: 0-None
	Parking	1 of 19	Allen Blvd	0.000	0.110	0.110	Parking: 0-None
	Traffic Lanes	1 of 19	Allen Blvd	0.000	0.110	0.110	Traffic Lanes: 4 Lanes

You'll find the **Road/Street** route length and the total **At/Toward Certified Mileage** above the **Toward** field within the **Location** header.

Another way to see changes in data is to click on any yellow interactive map icon to display (in a map format) where data changes on the road.

In the map example below, the map displays different surface types on University Avenue.

Interactive Map Sample: Surface Type Data-Breaks on University Avenue

