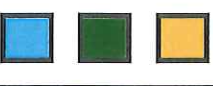


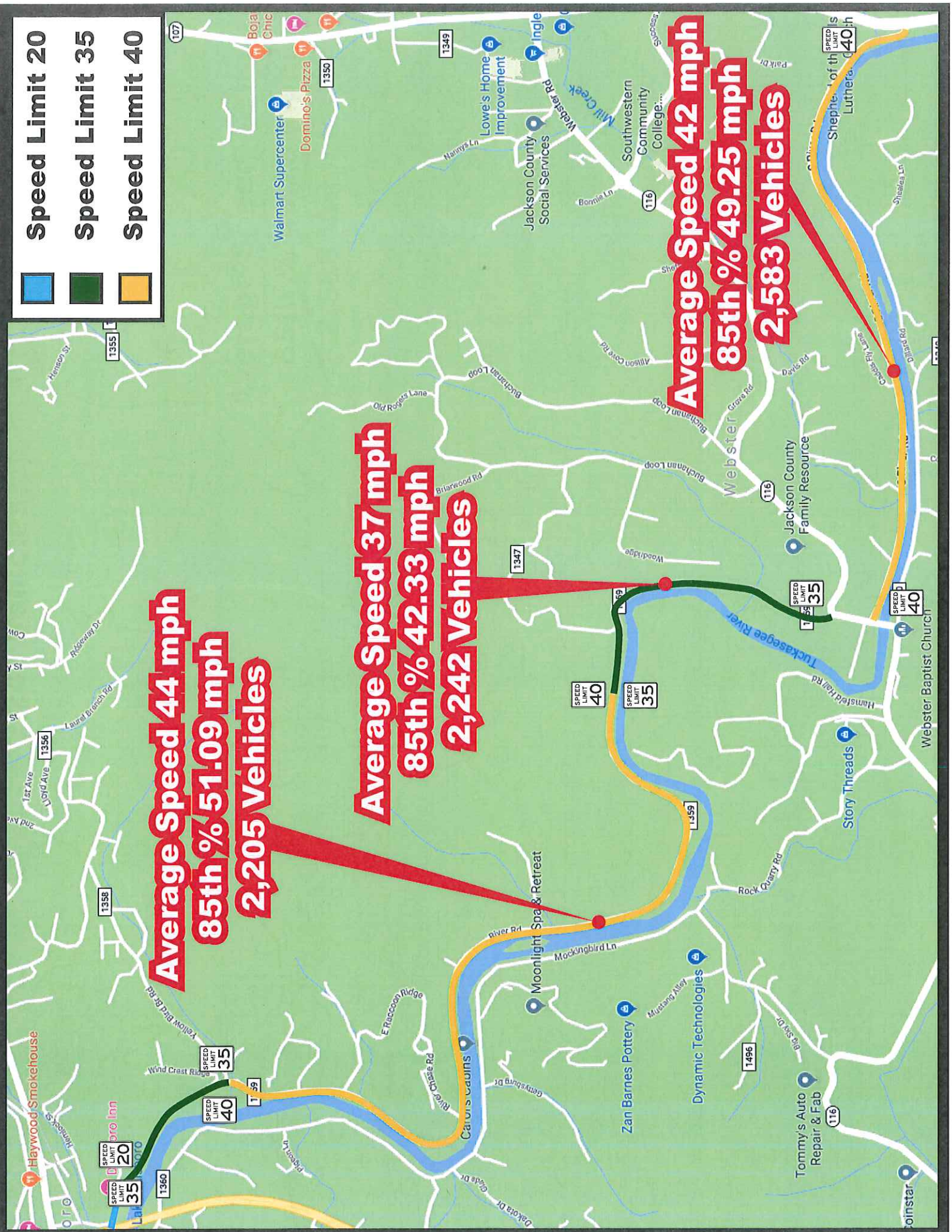
Speed Limit 20
Speed Limit 35
Speed Limit 40



Average Speed 44 mph
85th % 51.09 mph
2,205 Vehicles

Average Speed 37 mph
85th % 42.33 mph
2,242 Vehicles

Average Speed 42 mph
85th % 49.25 mph
2,583 Vehicles



**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: Sylva
Street: N River Rd
Location: at TWSA**

A study of vehicle traffic was conducted with HI-STAR unit number 6056. The study was done in the BOTH lane at N River Rd in Sylva, NC in Jackson county. The study began on Jul/16/2019 at 10:00:00 AM and concluded on Jul/17/2019 at 10:00:00 AM, lasting a total of 24.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 2205 vehicles passed through the location with a peak volume of 75 on Jul/16/2019 at [17:00-17:15] and a minimum volume of 0 on Jul/17/2019 at [01:15-01:30]. The AADT count for this study was 2,205.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin. At least half the vehicles were traveling in the 40 - 45 MPH range or lower. The average speed for all classified vehicles was 44 MPH with 37.86% vehicles exceeding the posted speed of 40 MPH. The HI-STAR found 3.17 percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 40MPH and the 85th percentile was 51.09 MPH.

<	10	15	20	25	30	35	40	45	50	55	60	65	70	75				
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
9	14	19	24	29	34	39	44	49	54	59	64	69	74	>				
1	3	2	11	38	165	471	663	449	225	82	39	13	9	8				

CHART 1

CLASSIFICATION

Chart 2 lists the values of the classification bins and the total traffic volume accumulated for each bin. Problem with the battery detected. Try discharging and fully charging it. Most of the vehicles classified during the study were Passenger Vehicles. The number of Passenger Vehicles in the study was 1166 which represents 54 percent of the total classified vehicles. The number of Vans & Pickups in the study was 829 which represents 38 percent of the total classified vehicles. The number of Busses & Trucks in the study was 154 which represents 7 percent of the total classified vehicles. The number of Tractor Trailers in the study was 30 which represents 1 percent of the total classified vehicles.

<	18	24	28	32	38	44	62											
to	to	to	to	to	to	to	to											
17	23	27	31	37	43	61	>											
1166	829	108	46	20	3	7	0											

CHART 2

HEADWAY

During the peak traffic period, on Jul/16/2019 at [17:00-17:15] the average headway between vehicles was 11.842 seconds. During the slowest traffic period, on Jul/17/2019 at [01:15-01:30] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 74.00 and 123.00 degrees F.

**Nu-Metrics Traffic Analyzer Study
 Computer Generated Summary Report
 City: Sylva
 Street: N River Rd
 Location: South End**

A study of vehicle traffic was conducted with HI-STAR unit number 6057. The study was done in the Both lane at N River Rd in Sylva, NC in Jackson county. The study began on Jul/16/2019 at 10:00:00 AM and concluded on Jul/17/2019 at 10:00:00 AM, lasting a total of 24.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 2242 vehicles passed through the location with a peak volume of 80 on Jul/16/2019 at [17:00-17:15] and a minimum volume of 0 on Jul/17/2019 at [01:30-01:45]. The AADT count for this study was 2,242.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin. At least half the vehicles were traveling in the 35 - 40 MPH range or lower. The average speed for all classified vehicles was 37 MPH with 23.85% vehicles exceeding the posted speed of 35 MPH. The HI-STAR found 0.18 percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 35MPH and the 85th percentile was 42.33 MPH.

<	10	15	20	25	30	35	40	45	50	55	60	65	70	75					
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to					
9	14	19	24	29	34	39	44	49	54	59	64	69	74	>					
0	3	7	28	163	650	841	421	81	19	5	3	1	0	0					

CHART 1

CLASSIFICATION

Chart 2 lists the values of the classification bins and the total traffic volume accumulated for each bin. Problem with the battery detected. Try discharging and fully charging it. Most of the vehicles classified during the study were Passenger Vehicles. The number of Passenger Vehicles in the study was 1499 which represents 67 percent of the total classified vehicles. The number of Vans & Pickups in the study was 610 which represents 27 percent of the total classified vehicles. The number of Busses & Trucks in the study was 94 which represents 4 percent of the total classified vehicles. The number of Tractor Trailers in the study was 19 which represents 1 percent of the total classified vehicles.

<	18	24	28	32	38	44	62												
to	to	to	to	to	to	to	to												
17	23	27	31	37	43	61	>												
1499	610	75	19	10	6	3	0												

CHART 2

HEADWAY

During the peak traffic period, on Jul/16/2019 at [17:00-17:15] the average headway between vehicles was 11.111 seconds. During the slowest traffic period, on Jul/17/2019 at [01:30-01:45] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 72.00 and 119.00 degrees F.

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: Sylva
Street: S River Rd**

A study of vehicle traffic was conducted with HI-STAR unit number 6055. The study was done in the BOTH lane at S River Rd in Sylva, NC in Jackson county. The study began on Jul/16/2019 at 11:00:00 AM and concluded on Jul/17/2019 at 11:00:00 AM, lasting a total of 24.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 2583 vehicles passed through the location with a peak volume of 85 on Jul/16/2019 at [17:15-17:30] and a minimum volume of 0 on Jul/17/2019 at [02:00-02:15]. The AADT count for this study was 2,583.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin. At least half the vehicles were traveling in the 40 - 45 MPH range or lower. The average speed for all classified vehicles was 42 MPH with 31.50% vehicles exceeding the posted speed of 40 MPH. The HI-STAR found 1.25 percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 40MPH and the 85th percentile was 49.25 MPH.

<	10	15	20	25	30	35	40	45	50	55	60	65	70	75					
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to					
9	14	19	24	29	34	39	44	49	54	59	64	69	74	>					
0	5	7	18	84	269	653	723	498	208	71	17	7	6	2					

CHART 1

CLASSIFICATION

Chart 2 lists the values of the classification bins and the total traffic volume accumulated for each bin. Problem with the battery detected. Try discharging and fully charging it. Most of the vehicles classified during the study were Passenger Vehicles. The number of Passenger Vehicles in the study was 1587 which represents 62 percent of the total classified vehicles. The number of Vans & Pickups in the study was 792 which represents 31 percent of the total classified vehicles. The number of Busses & Trucks in the study was 115 which represents 6 percent of the total classified vehicles. The number of Tractor Trailers in the study was 43 which represents 1 percent of the total classified vehicles.

<	18	24	28	32	38	44	62												
to	to	to	to	to	to	to	to												
17	23	27	31	37	43	61	>												
1587	792	115	43	17	6	6	2												

CHART 2

HEADWAY

During the peak traffic period, on Jul/16/2019 at [17:15-17:30] the average headway between vehicles was 10.465 seconds. During the slowest traffic period, on Jul/17/2019 at [02:00-02:15] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 76.00 and 138.00 degrees F.