

**Nu-Metrics Traffic Analyzer Study  
Computer Generated Summary Report  
City: City of Sunset Hills  
Street: Hilltop (South of Leebur)**

A study of vehicle traffic was conducted with HI-STAR unit number 3626. The study was done in the NB lane on Hilltop (South of Leebur) in City of Sunset Hills, MO in St. Louis county. The study began on 04/25/2016 at 10:00 AM and concluded on 04/27/2016 at 10:00 AM, lasting a total of 48 hours. Data was recorded in 15 minute time periods. The total recorded volume of traffic showed 321 vehicles passed through the location with a peak volume of 11 on 04/27/2016 at 07:15 AM and a minimum volume of 0 on 04/25/2016 at 10:15 AM. The AADT Count for this study was 161.

**SPEED**

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

**Chart 1**

0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 >
0	42	98	104	53	9	2	2	2	1	2	0	0	0	1

At least half of the vehicles were traveling in the 20 - 24 mph range or a lower speed. The average speed for all classified vehicles was 22 mph with 6.01 percent exceeding the posted speed of 25 mph. The HI-STAR found 0.32 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 20 mph and the 85th percentile was 27.32 mph.

**CLASSIFICATION**

Chart 2 lists the values of the eight classification bins and the total traffic volume accumulated for each bin.

**Chart 2**

0 to 20	21 to 27	28 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 >
302	7	4	2	0	1	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 309 which represents 97.80 percent of the total classified vehicles. The number of Small Trucks in the study was 4 which represents 1.30 percent of the total classified vehicles. The number of Trucks/Buses in the study was 2 which represents 0.60 percent of the total classified vehicles. The number of Tractor Trailers in the study was 1 which represents 0.30 percent of the total classified vehicles.

**HEADWAY**

During the peak time period, on 04/27/2016 at 07:15 AM the average headway between the vehicles was 75.0 seconds. The slowest traffic period was on 04/25/2016 at 10:15 AM. During this slowest period, the average headway was 900.0 seconds.

**WEATHER**

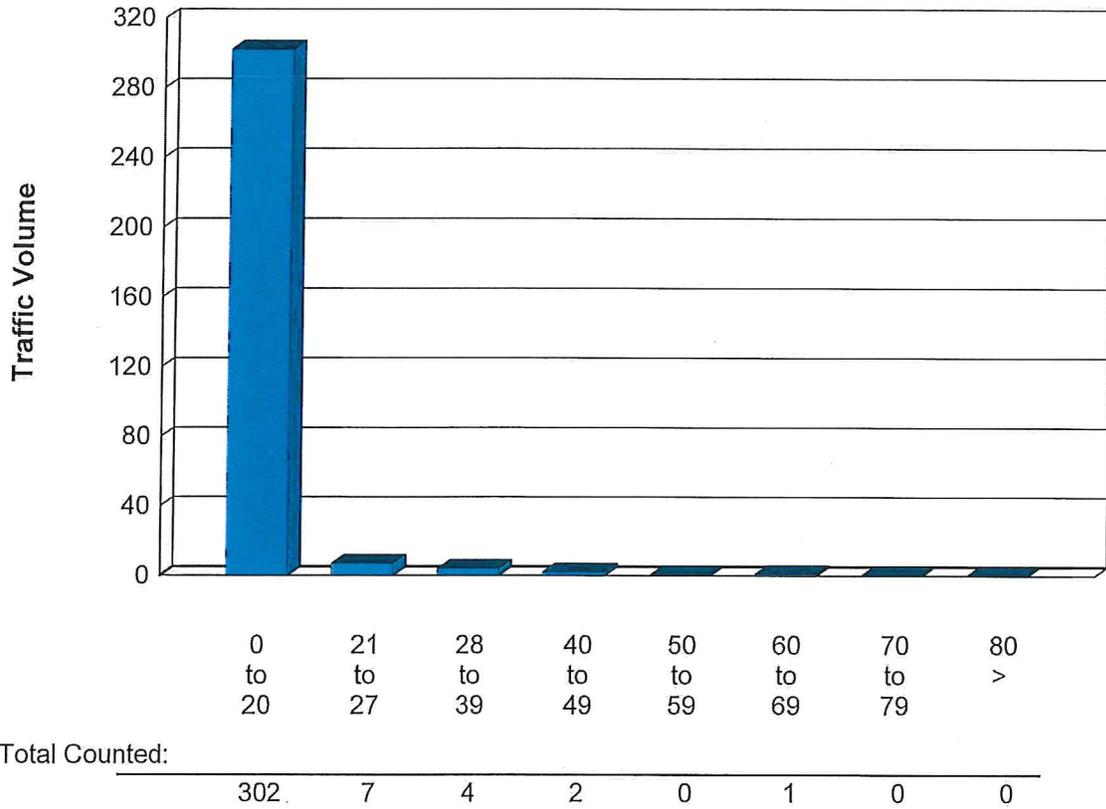
The roadway surface temperature over the period of the study varied between 68 and 119 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 99.48 percent of the time.

HI-Star ID: 3626  
 Street: Hilltop (South of Leebur)  
 State: MO  
 County: St. Louis

Begin: 04/25/2016 10:00 AM  
 Lane: NB  
 Oper: WES  
 Posted: 25  
 AADT Factor: 1

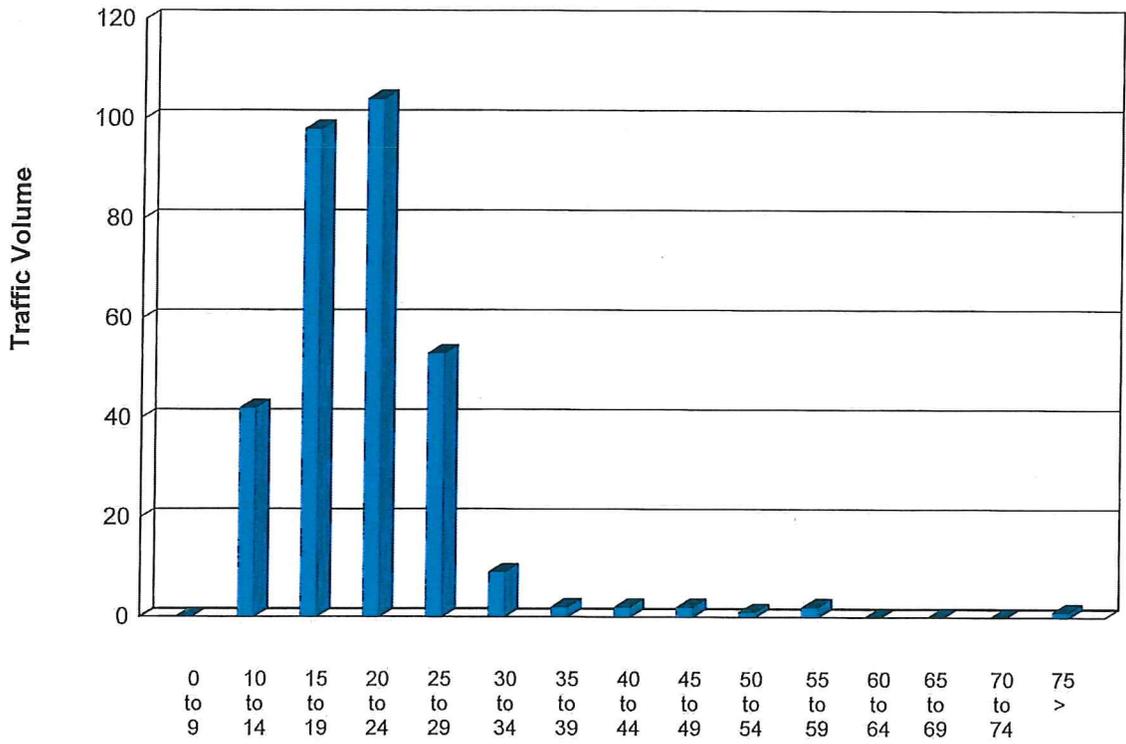
End: 04/27/2016 10:00 AM  
 Hours: 48:00  
 Period: 15  
 Raw Count: 321  
 AADT Count: 161

## Class/Volume Graph



HI-Star ID: 3626	Begin: 04/25/2016 10:00 AM	End: 04/27/2016 10:00 AM
Street: Hilltop (South of Leebur)	Lane: NB	Hours: 48:00
State: MO	Oper: WES	Period: 15
County: St. Louis	Posted: 25	Raw Count: 321
	AADT Factor: 1	AADT Count: 161

## Speed/Volume Graph



Report Totals:

0	42	98	104	53	9	2	2	2	1	2	0	0	0	1
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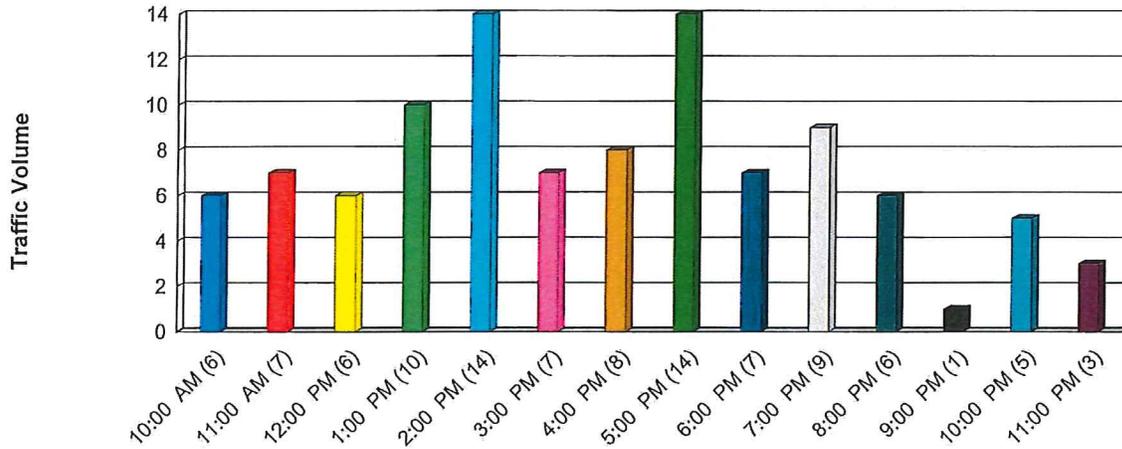
HI-Star ID: 3626  
 Street: Hilltop (South of Leebur)  
 State: MO  
 County: St. Louis

Begin: 04/25/2016 10:00 AM  
 Lane: NB  
 Oper: WES  
 Posted: 25  
 AADT Factor: 1

End: 04/27/2016 10:00 AM  
 Hours: 48:00  
 Period: 15  
 Raw Count: 321  
 AADT Count: 161

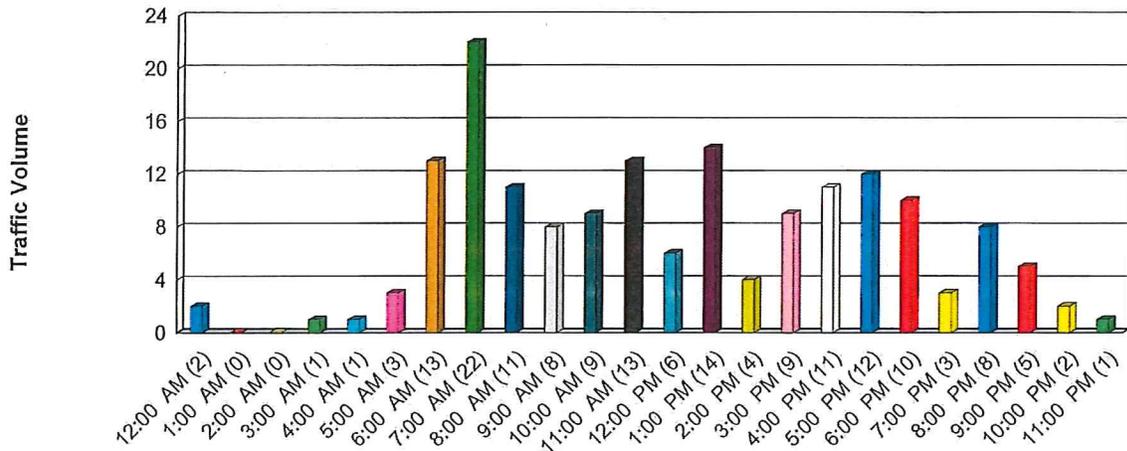
### Time/Volume Graph

For 04/25/2016



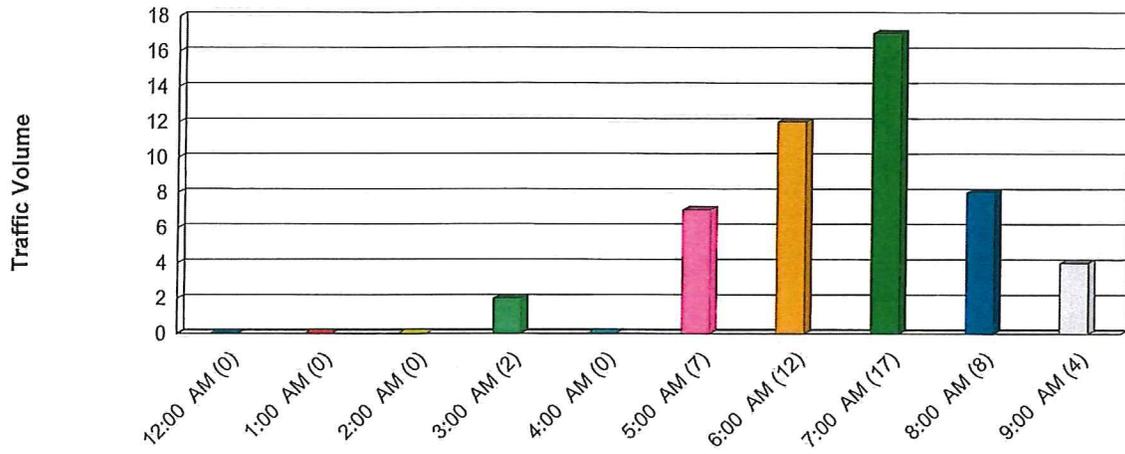
### Time/Volume Graph

For 04/26/2016



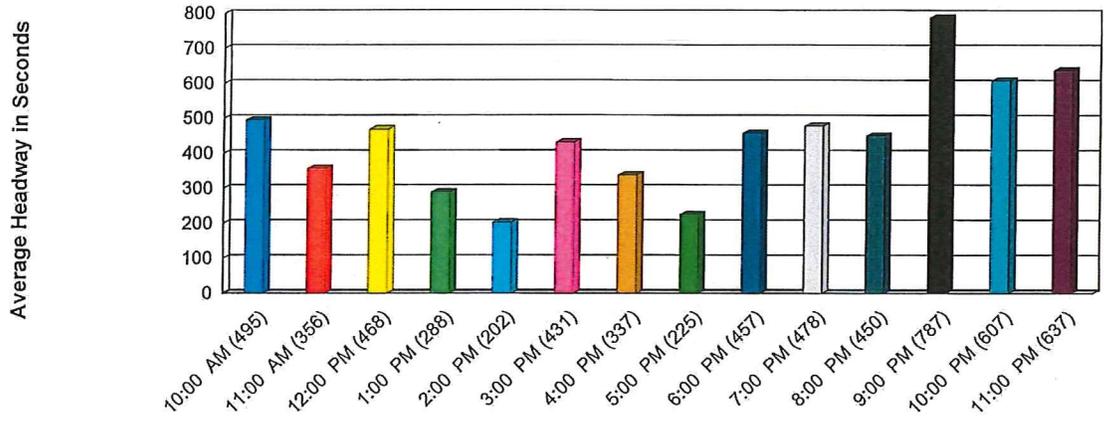
# Time/Volume Graph

For 04/27/2016

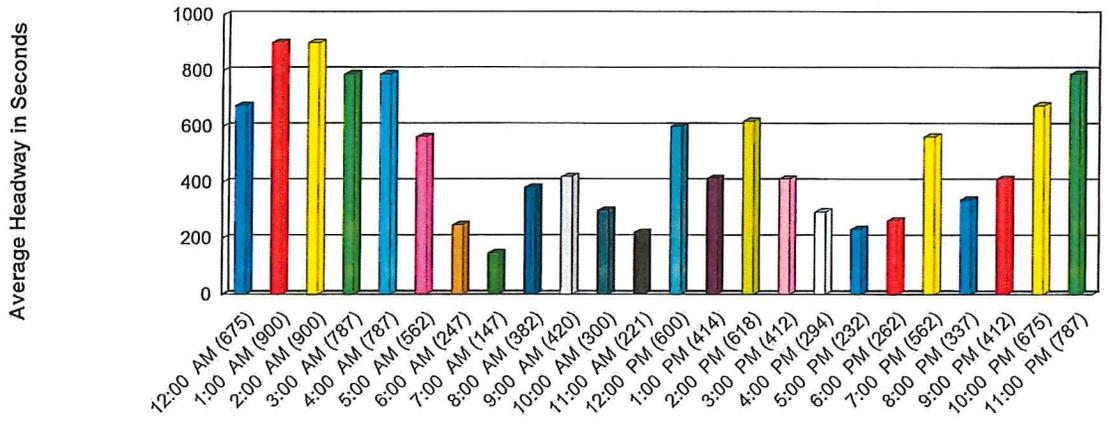


HI-Star ID: 3626	Begin: 04/25/2016 10:00 AM	End: 04/27/2016 10:00 AM
Street: Hilltop (South of Leebur)	Lane: NB	Hours: 48:00
State: MO	Oper: WES	Period: 15
	Posted: 25	Raw Count: 321
County: St. Louis	AADT Factor: 1	AADT Count: 161

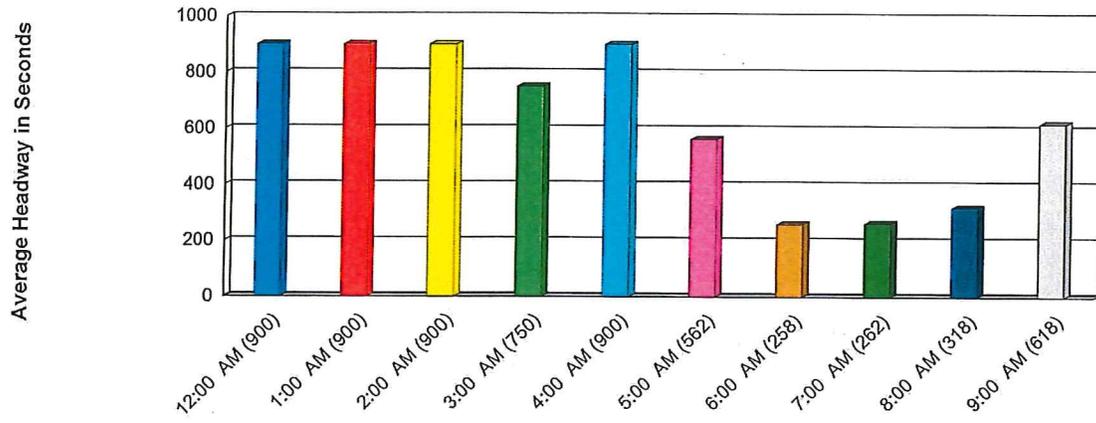
### Gap/Time Graph



### Gap/Time Graph



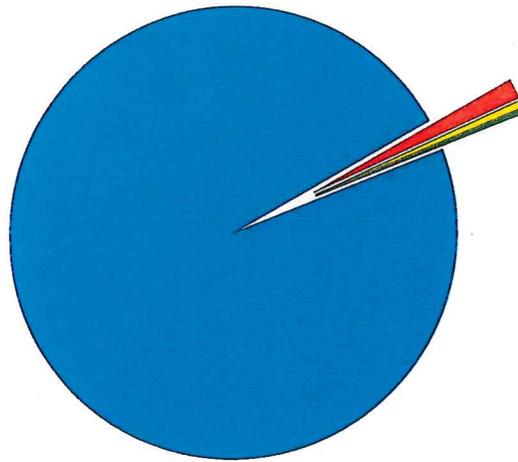
## Gap/Time Graph



Nu-Metrics Traffic Analyzer Study  
Computer Generated Summary Report  
City: City of Sunset Hills  
Street: Hilltop (South of Leebur)

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Vehicle Percentage Graph



■ Passenger Cars	97.78%	309
■ Small Trucks	1.27%	4
■ Trucks/Buses	0.63%	2
■ Tractor Trailers	0.32%	1

**Nu-Metrics Traffic Analyzer Study  
Computer Generated Summary Report  
City: City of Sunset Hills  
Street: Hilltop (South of Leebur)**

A study of vehicle traffic was conducted with HI-STAR unit number 3642. The study was done in the SB lane on Hilltop (South of Leebur) in City of Sunset Hills, MO in St. Louis county. The study began on 04/25/2016 at 10:00 AM and concluded on 04/27/2016 at 10:00 AM, lasting a total of 48 hours. Data was recorded in 15 minute time periods. The total recorded volume of traffic showed 120 vehicles passed through the location with a peak volume of 6 on 04/26/2016 at 08:00 AM and a minimum volume of 0 on 04/25/2016 at 10:15 AM. The AADT Count for this study was 60.

**SPEED**

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

**Chart 1**

0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 >
0	18	49	17	18	4	3	4	0	2	1	1	0	1	0

At least half of the vehicles were traveling in the 15 - 19 mph range or a lower speed. The average speed for all classified vehicles was 23 mph with 13.5 percent exceeding the posted speed of 25 mph. The HI-STAR found 1.69 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 15 mph and the 85th percentile was 29.53 mph.

**CLASSIFICATION**

Chart 2 lists the values of the eight classification bins and the total traffic volume accumulated for each bin.

**Chart 2**

0 to 20	21 to 27	28 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 >
109	5	2	0	1	1	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 114 which represents 96.60 percent of the total classified vehicles. The number of Small Trucks in the study was 2 which represents 1.70 percent of the total classified vehicles. The number of Trucks/Buses in the study was 0 which represents 0.00 percent of the total classified vehicles. The number of Tractor Trailers in the study was 2 which represents 1.70 percent of the total classified vehicles.

**HEADWAY**

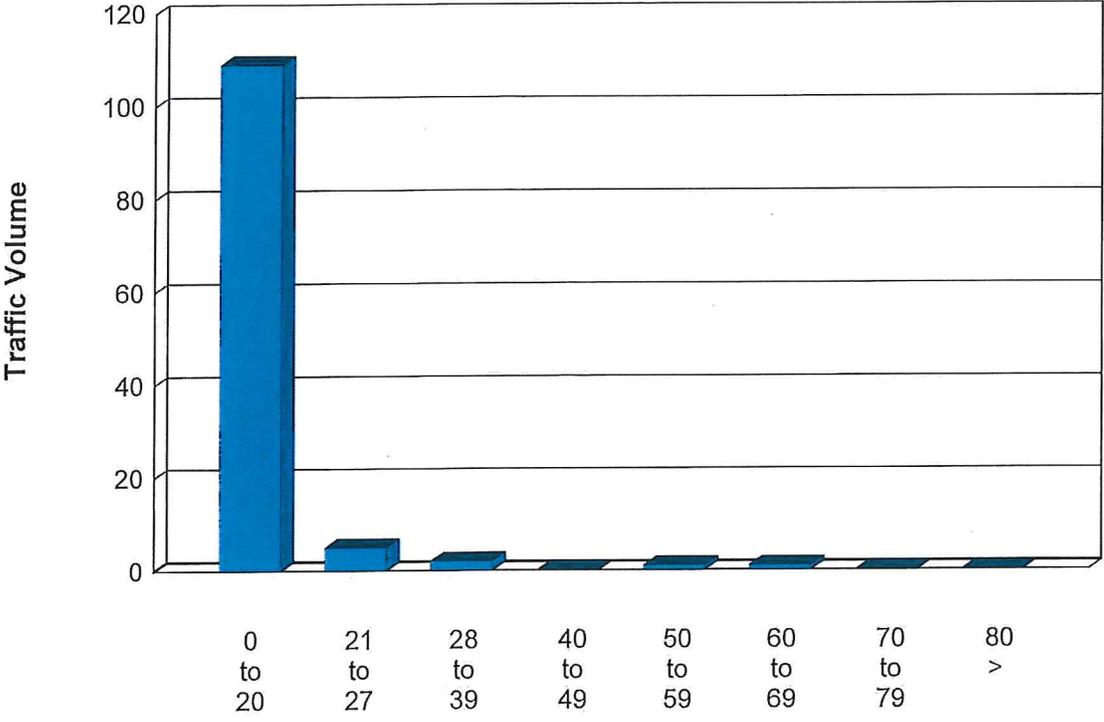
During the peak time period, on 04/26/2016 at 08:00 AM the average headway between the vehicles was 128.57 seconds. The slowest traffic period was on 04/25/2016 at 10:15 AM. During this slowest period, the average headway was 900.0 seconds.

**WEATHER**

The roadway surface temperature over the period of the study varied between 64 and 119 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

HI-Star ID: 3642	Begin: 04/25/2016 10:00 AM	End: 04/27/2016 10:00 AM
Street: Hilltop (South of Leebur)	Lane: SB	Hours: 48:00
State: MO	Oper: WES	Period: 15
County: St. Louis	Posted: 25	Raw Count: 120
	AADT Factor: 1	AADT Count: 60

## Class/Volume Graph

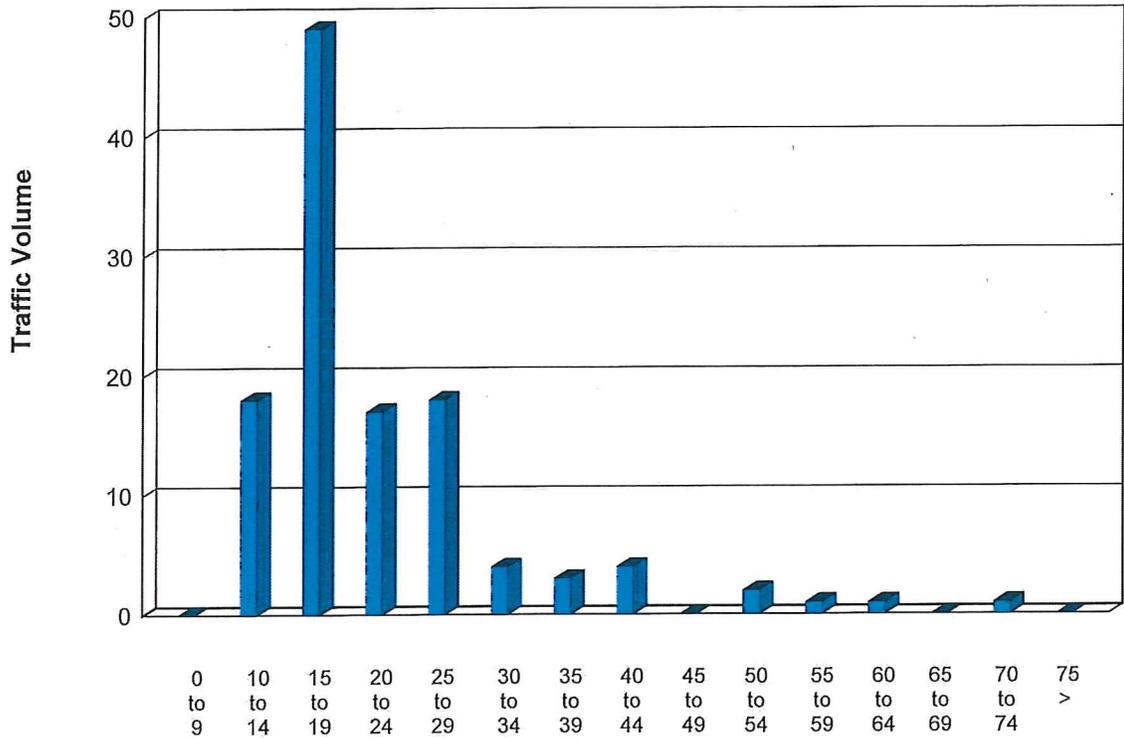


Total Counted:

109	5	2	0	1	1	0	0
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HI-Star ID: 3642	Begin: 04/25/2016 10:00 AM	End: 04/27/2016 10:00 AM
Street: Hilltop (South of Leebur)	Lane: SB	Hours: 48:00
State: MO	Oper: WES	Period: 15
County: St. Louis	Posted: 25	Raw Count: 120
	AADT Factor: 1	AADT Count: 60

## Speed/Volume Graph



Report Totals:

0	49	18	3	0	1	0	0
18	17	4	4	2	1	0	1

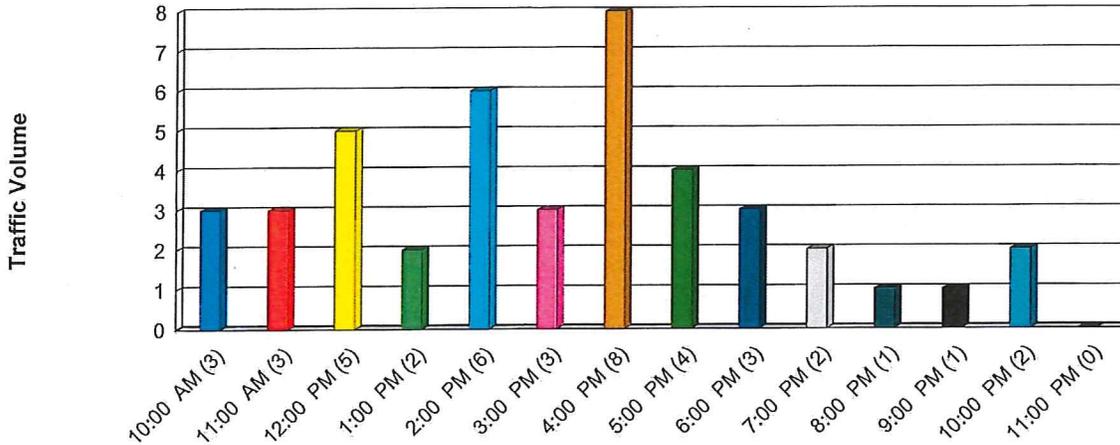
HI-Star ID: 3642  
 Street: Hilltop (South of Leebur)  
 State: MO  
 County: St. Louis

Begin: 04/25/2016 10:00 AM  
 Lane: SB  
 Oper: WES  
 Posted: 25  
 AADT Factor: 1

End: 04/27/2016 10:00 AM  
 Hours: 48:00  
 Period: 15  
 Raw Count: 120  
 AADT Count: 60

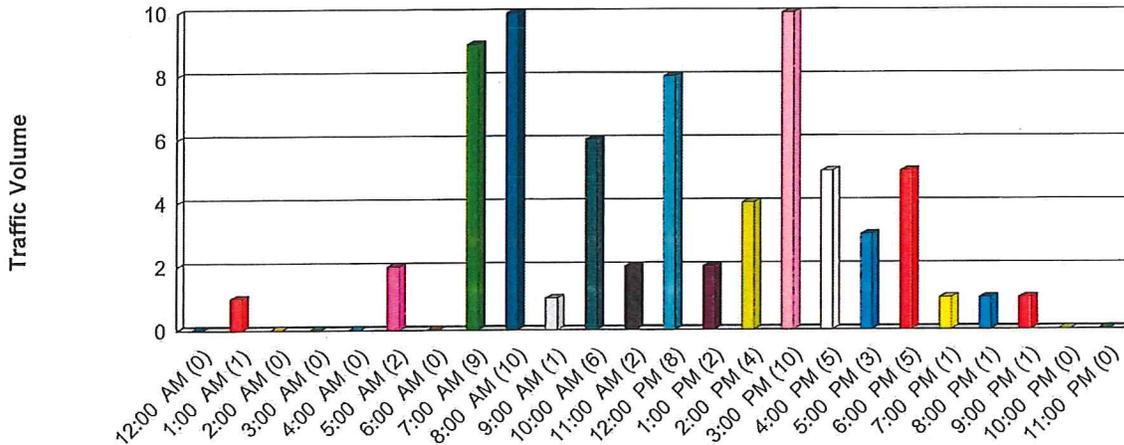
### Time/Volume Graph

For 04/25/2016



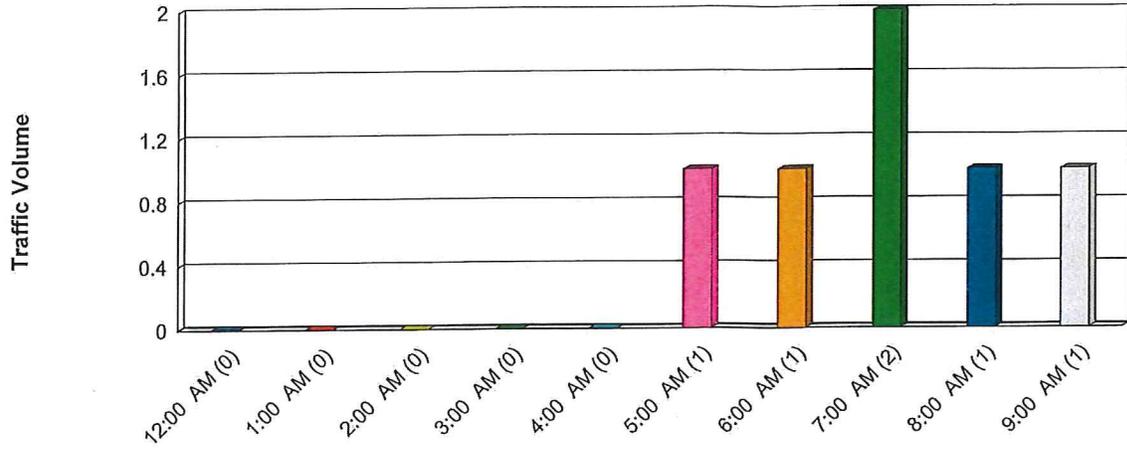
### Time/Volume Graph

For 04/26/2016



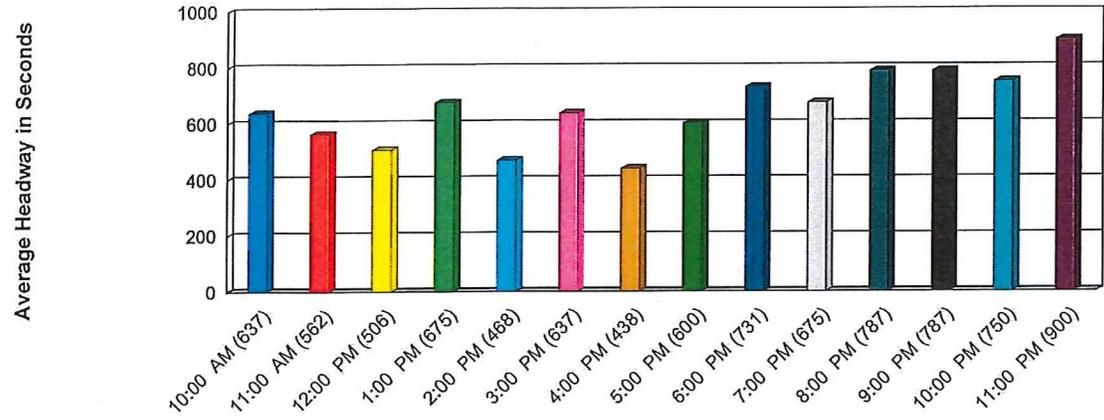
# Time/Volume Graph

For 04/27/2016

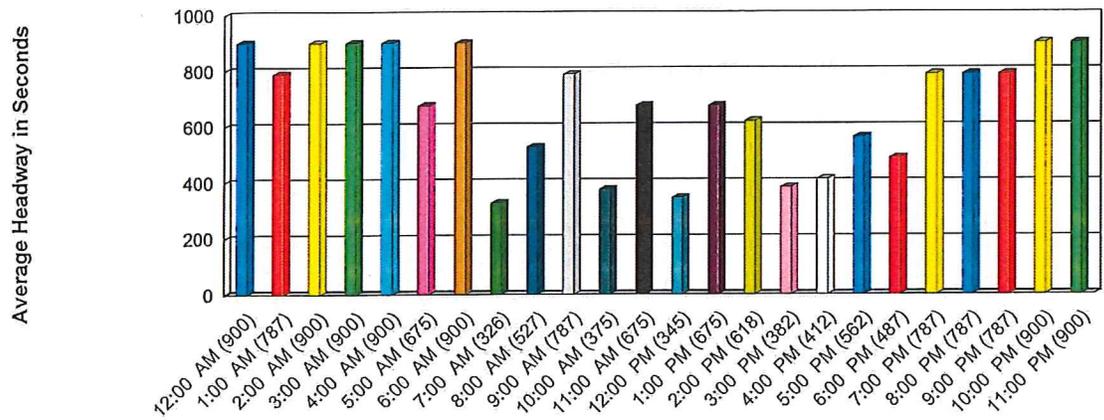


HI-Star ID: 3642	Begin: 04/25/2016 10:00 AM	End: 04/27/2016 10:00 AM
Street: Hilltop (South of Leebur)	Lane: SB	Hours: 48:00
State: MO	Oper: WES	Period: 15
	Posted: 25	Raw Count: 120
County: St. Louis	AADT Factor: 1	AADT Count: 60

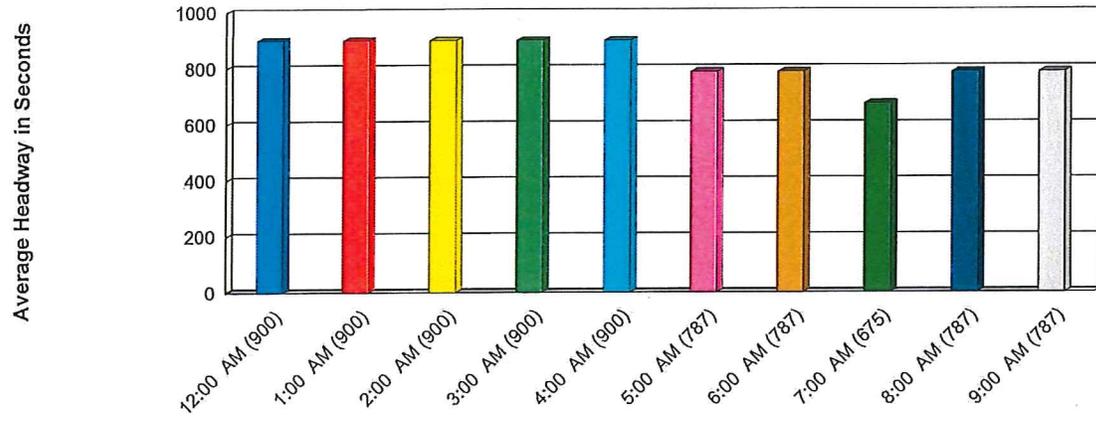
### Gap/Time Graph



### Gap/Time Graph



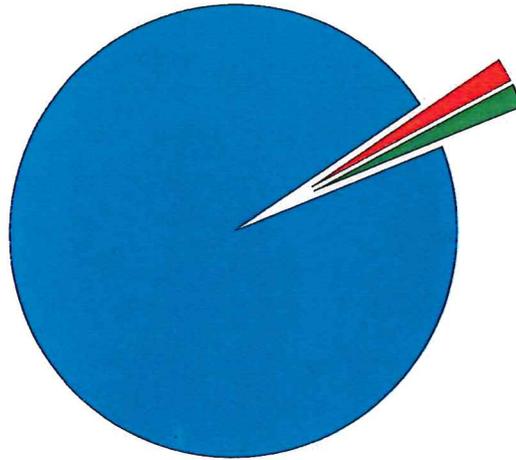
## Gap/Time Graph



Nu-Metrics Traffic Analyzer Study  
Computer Generated Summary Report  
City: City of Sunset Hills  
Street: Hilltop (South of Leebur)

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Vehicle Percentage Graph



■ Passenger Cars	96.61%	114
■ Small Trucks	1.69%	2
■ Trucks/Buses	0.00%	0
■ Tractor Trailers	1.69%	2

**Nu-Metrics Traffic Analyzer Study**  
**Computer Generated Summary Report**  
**City: City of Sunset Hills**  
**Street: Leebur (West of Hilltop)**

A study of vehicle traffic was conducted with HI-STAR unit number 3626. The study was done in the WB lane on Leebur (West of Hilltop) in City of Sunset Hills, MO in St. Louis county. The study began on 05/02/2016 at 10:00 AM and concluded on 05/04/2016 at 10:00 AM, lasting a total of 48 hours. Data was recorded in 15 minute time periods. The total recorded volume of traffic showed 137 vehicles passed through the location with a peak volume of 9 on 05/04/2016 at 09:30 AM and a minimum volume of 0 on 05/02/2016 at 10:15 AM. The AADT Count for this study was 69.

**SPEED**

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

**Chart 1**

0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 >
0	13	56	54	8	2	0	0	1	0	1	0	0	0	0

At least half of the vehicles were traveling in the 15 - 19 mph range or a lower speed. The average speed for all classified vehicles was 20 mph with 2.96 percent exceeding the posted speed of 25 mph. The HI-STAR found 0.00 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 15 mph and the 85th percentile was 24.24 mph.

**CLASSIFICATION**

Chart 2 lists the values of the eight classification bins and the total traffic volume accumulated for each bin.

**Chart 2**

0 to 20	21 to 27	28 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 >
130	2	2	1	0	0	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 132 which represents 97.80 percent of the total classified vehicles. The number of Small Trucks in the study was 2 which represents 1.50 percent of the total classified vehicles. The number of Trucks/Buses in the study was 1 which represents 0.70 percent of the total classified vehicles. The number of Tractor Trailers in the study was 0 which represents 0.00 percent of the total classified vehicles.

**HEADWAY**

During the peak time period, on 05/04/2016 at 09:30 AM the average headway between the vehicles was 90.0 seconds. The slowest traffic period was on 05/02/2016 at 10:15 AM. During this slowest period, the average headway was 900.0 seconds.

**WEATHER**

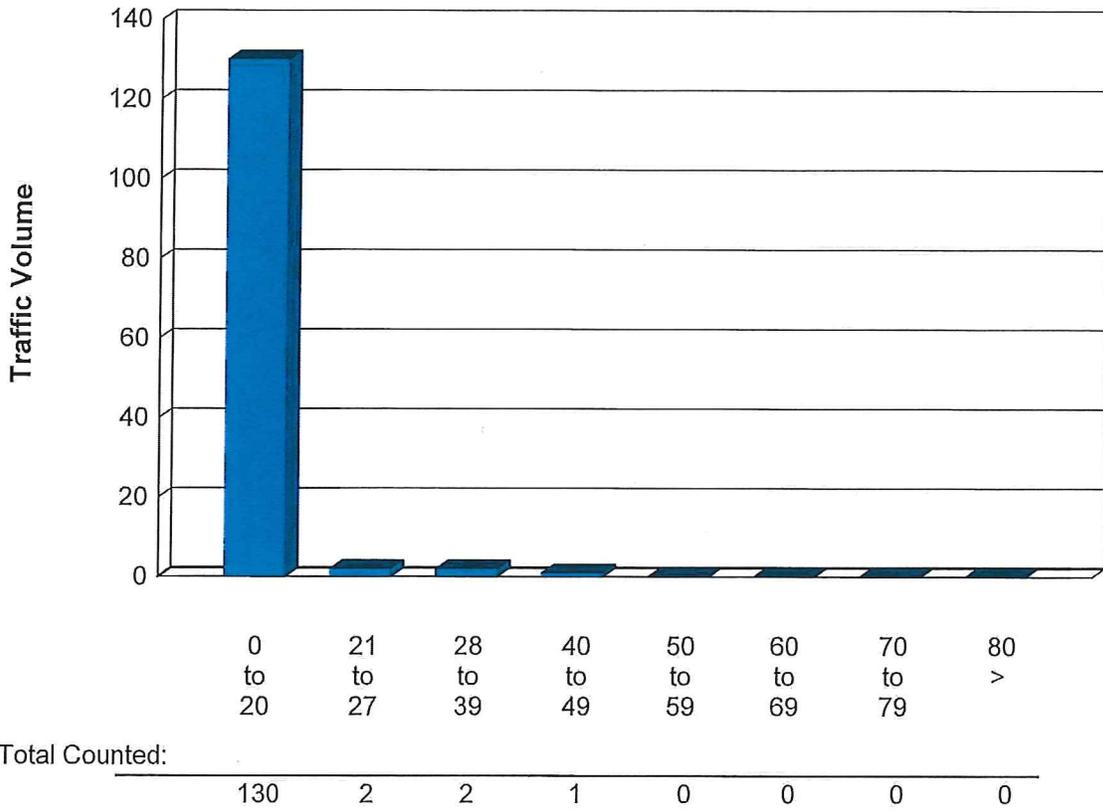
The roadway surface temperature over the period of the study varied between 58 and 87 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

HI-Star ID: 3626  
 Street: Leebur (West of Hilltop)  
 State: MO  
 County: St. Louis

Begin: 05/02/2016 10:00 AM  
 Lane: WB  
 Oper: WES  
 Posted: 25  
 AADT Factor: 1

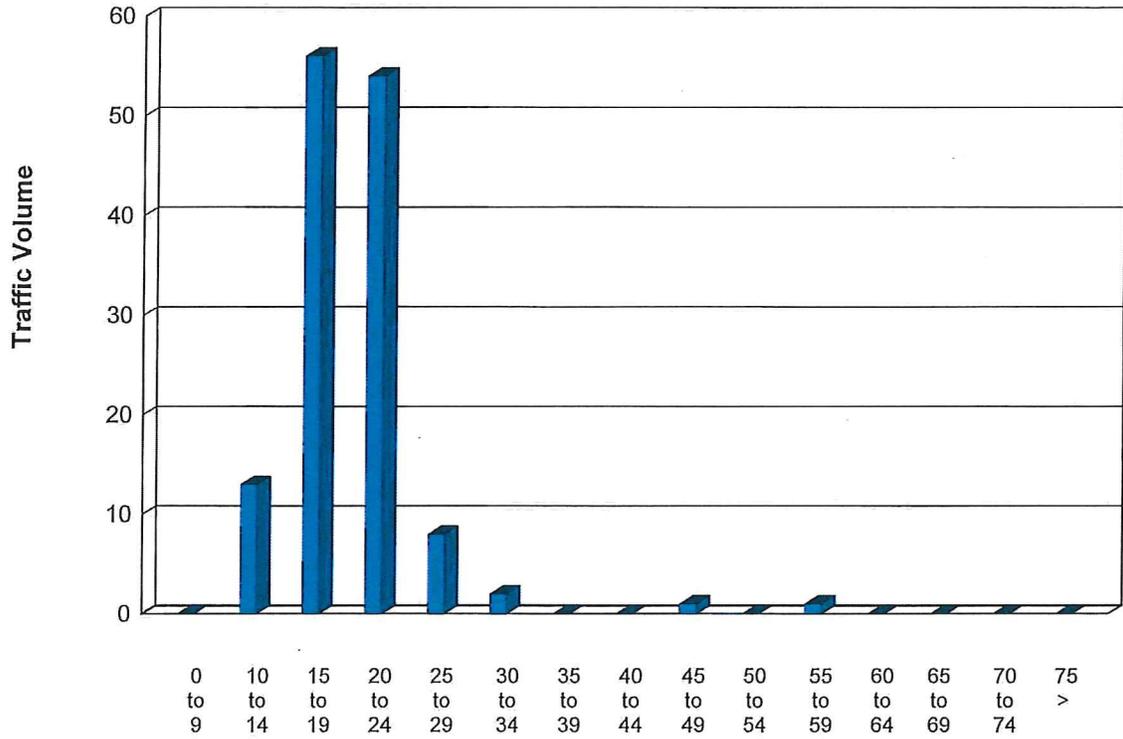
End: 05/04/2016 10:00 AM  
 Hours: 48:00  
 Period: 15  
 Raw Count: 137  
 AADT Count: 69

## Class/Volume Graph



HI-Star ID: 3626	Begin: 05/02/2016 10:00 AM	End: 05/04/2016 10:00 AM
Street: Leebur (West of Hilltop)	Lane: WB	Hours: 48:00
State: MO	Oper: WES	Period: 15
	Posted: 25	Raw Count: 137
County: St. Louis	AADT Factor: 1	AADT Count: 69

## Speed/Volume Graph



Report Totals:

0	13	56	54	8	2	0	0	1	0	1	0	0	0	0
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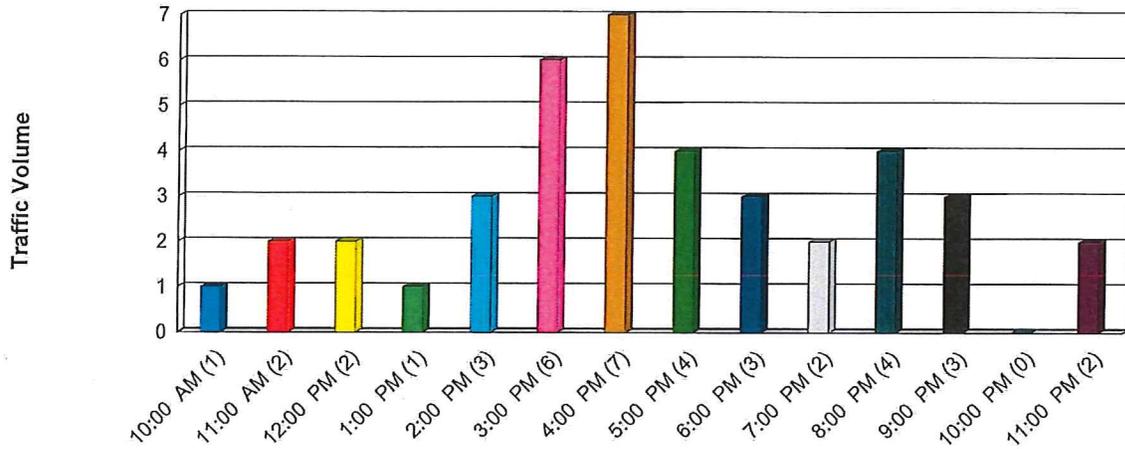
HI-Star ID: 3626  
 Street: Leebur (West of Hilltop)  
 State: MO  
 County: St. Louis

Begin: 05/02/2016 10:00 AM  
 Lane: WB  
 Oper: WES  
 Posted: 25  
 AADT Factor: 1

End: 05/04/2016 10:00 AM  
 Hours: 48:00  
 Period: 15  
 Raw Count: 137  
 AADT Count: 69

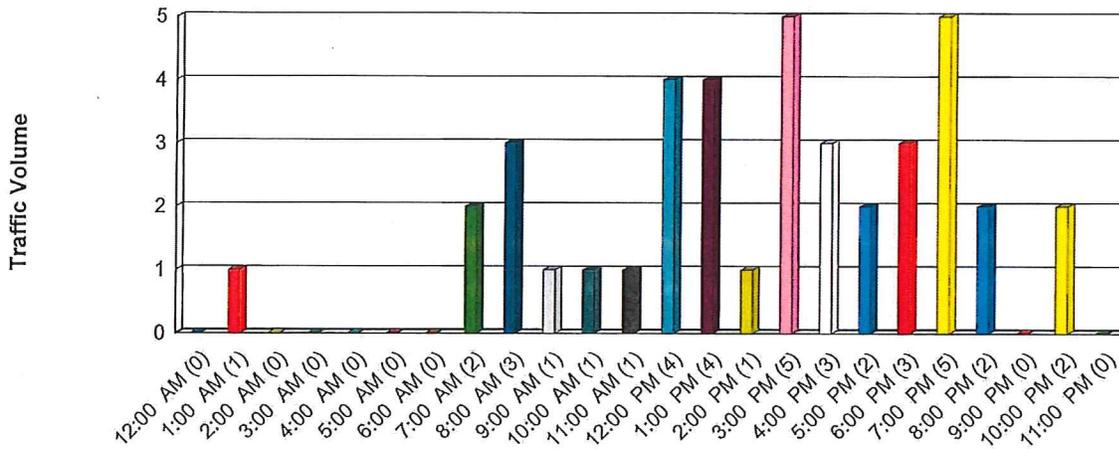
### Time/Volume Graph

For 05/02/2016



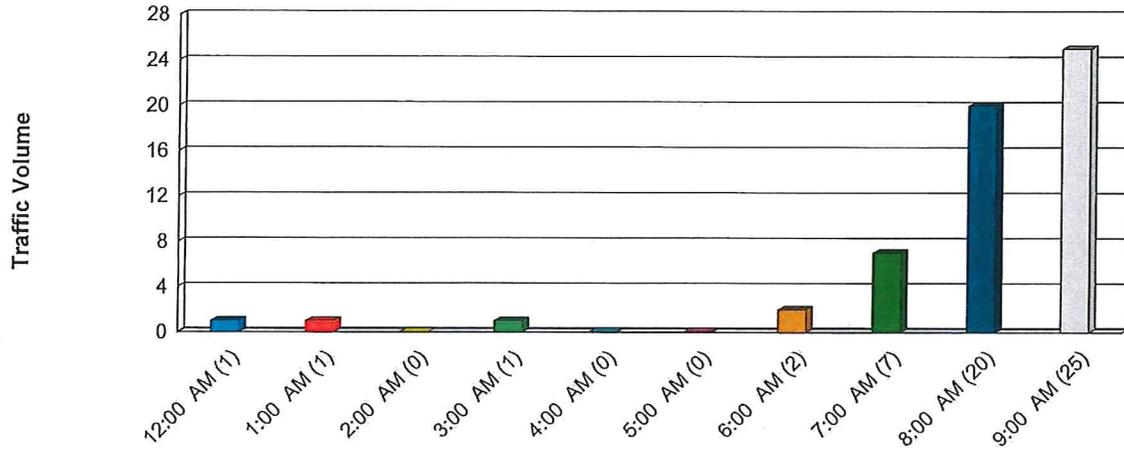
### Time/Volume Graph

For 05/03/2016



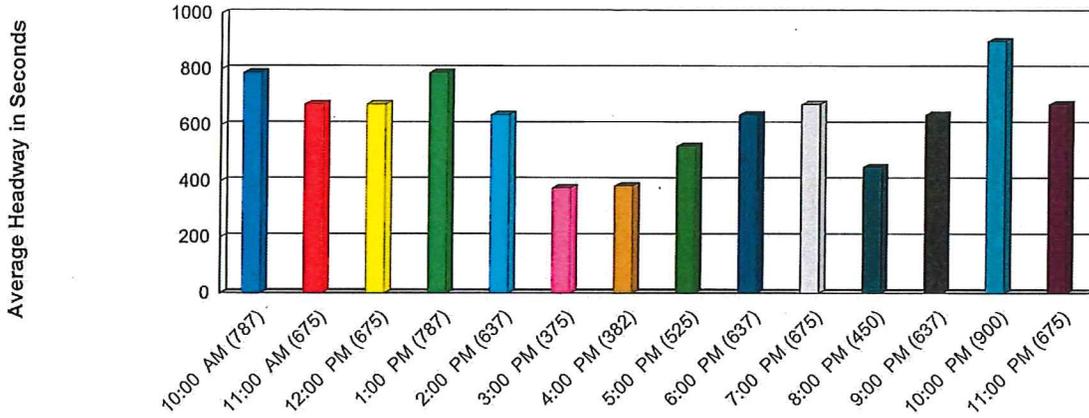
# Time/Volume Graph

For 05/04/2016

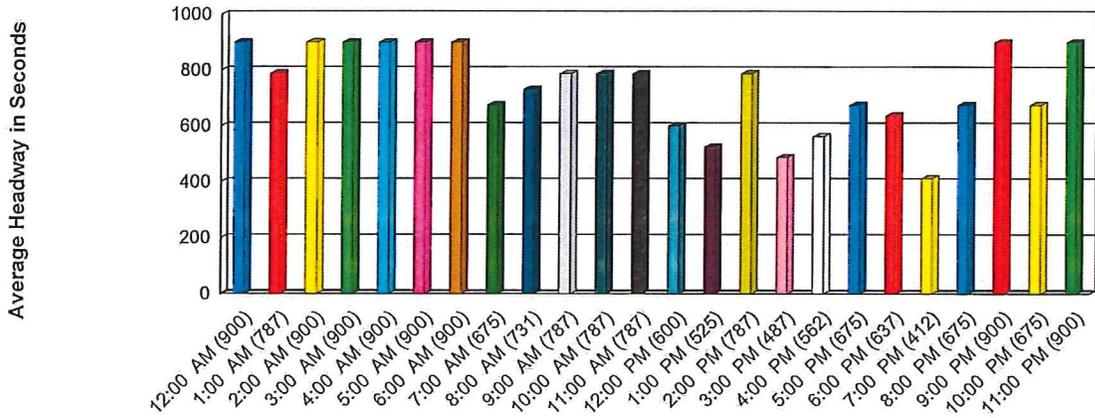


HI-Star ID: 3626	Begin: 05/02/2016 10:00 AM	End: 05/04/2016 10:00 AM
Street: Leebur (West of Hilltop)	Lane: WB	Hours: 48:00
State: MO	Oper: WES	Period: 15
	Posted: 25	Raw Count: 137
County: St. Louis	AADT Factor: 1	AADT Count: 69

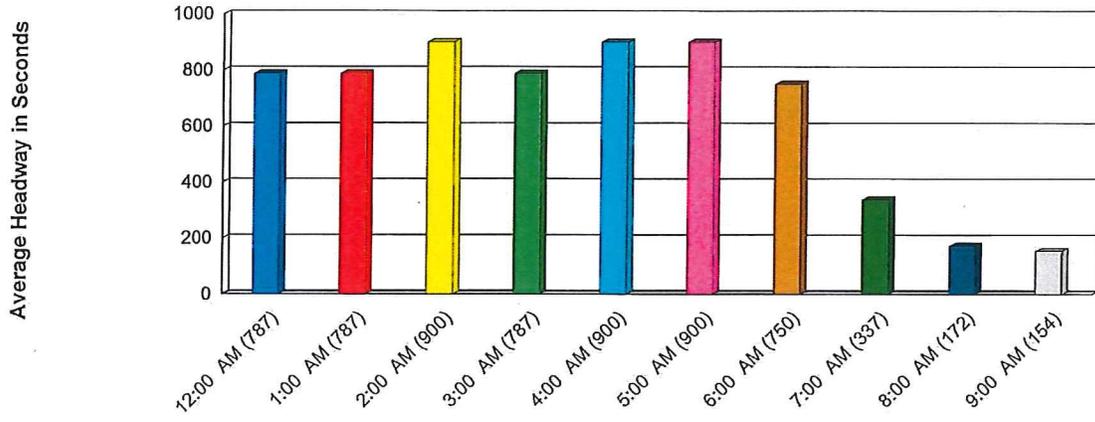
### Gap/Time Graph



### Gap/Time Graph



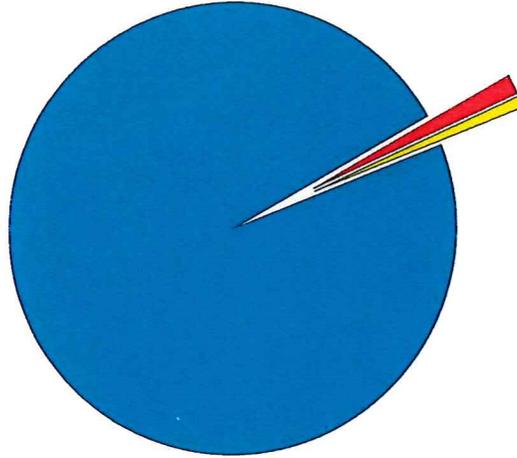
## Gap/Time Graph



Nu-Metrics Traffic Analyzer Study  
Computer Generated Summary Report  
City: City of Sunset Hills  
Street: Leebur (West of Hilltop)

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Vehicle Percentage Graph



■ Passenger Cars	97.78%	132
■ Small Trucks	1.48%	2
■ Trucks/Buses	0.74%	1
■ Tractor Trailers	0.00%	0

**Nu-Metrics Traffic Analyzer Study  
 Computer Generated Summary Report  
 City: City of Sunset Hills  
 Street: Leebur (West of Hilltop)**

A study of vehicle traffic was conducted with HI-STAR unit number 3642. The study was done in the EB lane on Leebur (West of Hilltop) in City of Sunset Hills, MO in St. Louis county. The study began on 05/02/2016 at 10:00 AM and concluded on 05/04/2016 at 10:00 AM, lasting a total of 48 hours. Data was recorded in 15 minute time periods. The total recorded volume of traffic showed 198 vehicles passed through the location with a peak volume of 12 on 05/04/2016 at 09:45 AM and a minimum volume of 0 on 05/02/2016 at 10:00 AM. The AADT Count for this study was 99.

**SPEED**

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

**Chart 1**

0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 >
0	25	124	41	7	0	1	0	0	0	0	0	0	0	0

At least half of the vehicles were traveling in the 15 - 19 mph range or a lower speed. The average speed for all classified vehicles was 18 mph with 0.51 percent exceeding the posted speed of 25 mph. The HI-STAR found 0.00 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 15 mph and the 85th percentile was 22.35 mph.

**CLASSIFICATION**

Chart 2 lists the values of the eight classification bins and the total traffic volume accumulated for each bin.

**Chart 2**

0 to 20	21 to 27	28 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 >
187	5	6	0	0	0	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 192 which represents 97.00 percent of the total classified vehicles. The number of Small Trucks in the study was 6 which represents 3.00 percent of the total classified vehicles. The number of Trucks/Buses in the study was 0 which represents 0.00 percent of the total classified vehicles. The number of Tractor Trailers in the study was 0 which represents 0.00 percent of the total classified vehicles.

**HEADWAY**

During the peak time period, on 05/04/2016 at 09:45 AM the average headway between the vehicles was 69.23 seconds. The slowest traffic period was on 05/02/2016 at 10:00 AM. During this slowest period, the average headway was 900.0 seconds.

**WEATHER**

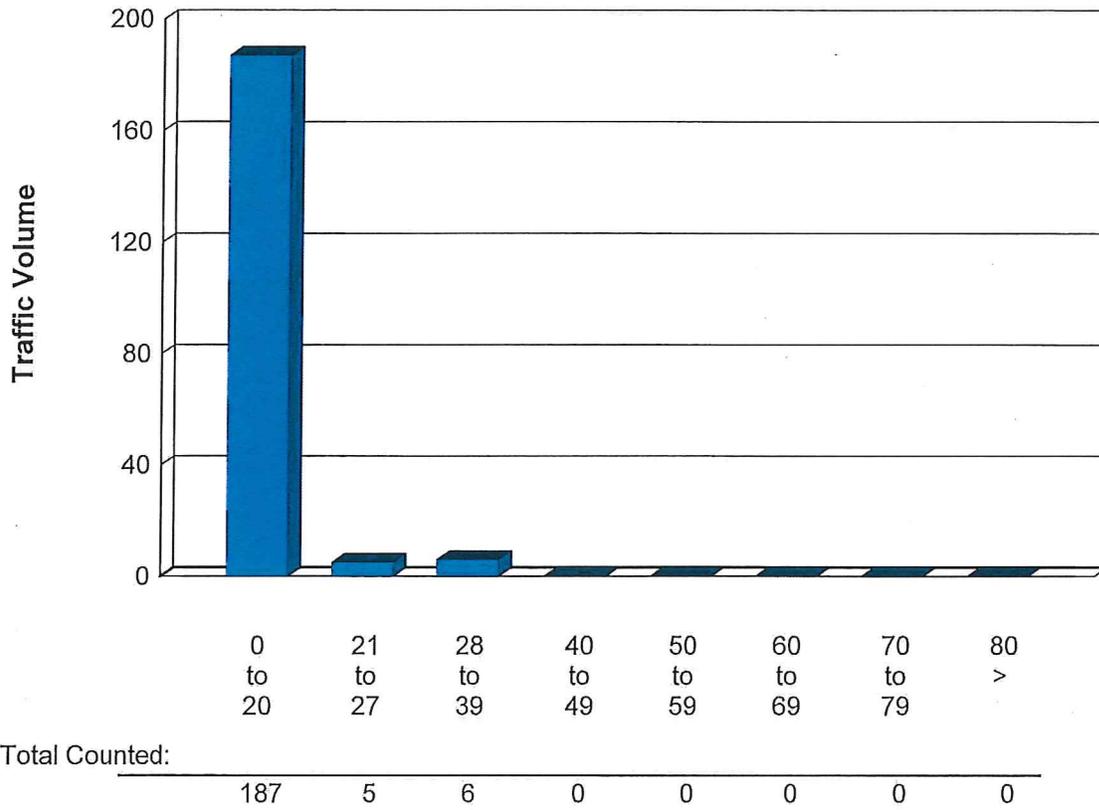
The roadway surface temperature over the period of the study varied between 58 and 89 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.

HI-Star ID: 3642  
 Street: Leebur (West of Hilltop)  
 State: MO  
 County: St. Louis

Begin: 05/02/2016 10:00 AM  
 Lane: EB  
 Oper: WES  
 Posted: 25  
 AADT Factor: 1

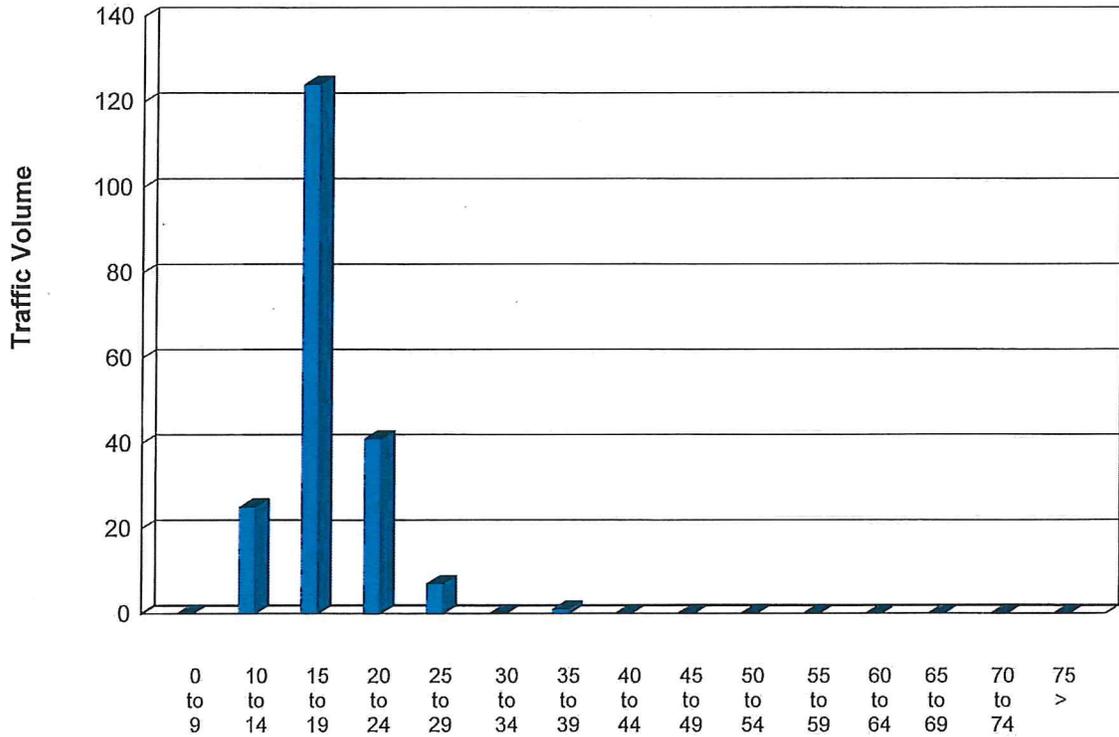
End: 05/04/2016 10:00 AM  
 Hours: 48:00  
 Period: 15  
 Raw Count: 198  
 AADT Count: 99

## Class/Volume Graph



HI-Star ID: 3642	Begin: 05/02/2016 10:00 AM	End: 05/04/2016 10:00 AM
Street: Leebur (West of Hilltop)	Lane: EB	Hours: 48:00
State: MO	Oper: WES	Period: 15
	Posted: 25	Raw Count: 198
County: St. Louis	AADT Factor: 1	AADT Count: 99

## Speed/Volume Graph



Report Totals:

0	124	7	1	0	0	0	0	0	0	0	0	0	0
25	41	0	0	0	0	0	0	0	0	0	0	0	0

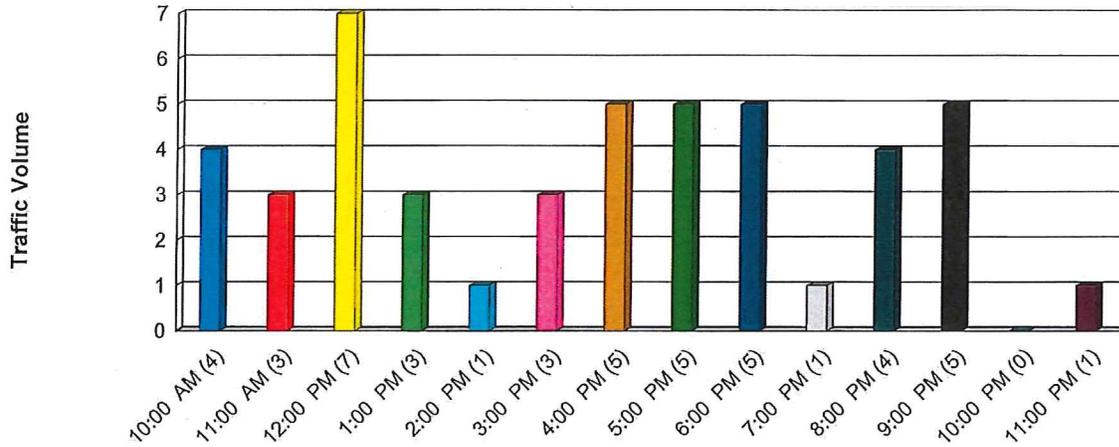
HI-Star ID: 3642  
 Street: Leebur (West of Hilltop)  
 State: MO  
 County: St. Louis

Begin: 05/02/2016 10:00 AM  
 Lane: EB  
 Oper: WES  
 Posted: 25  
 AADT Factor: 1

End: 05/04/2016 10:00 AM  
 Hours: 48:00  
 Period: 15  
 Raw Count: 198  
 AADT Count: 99

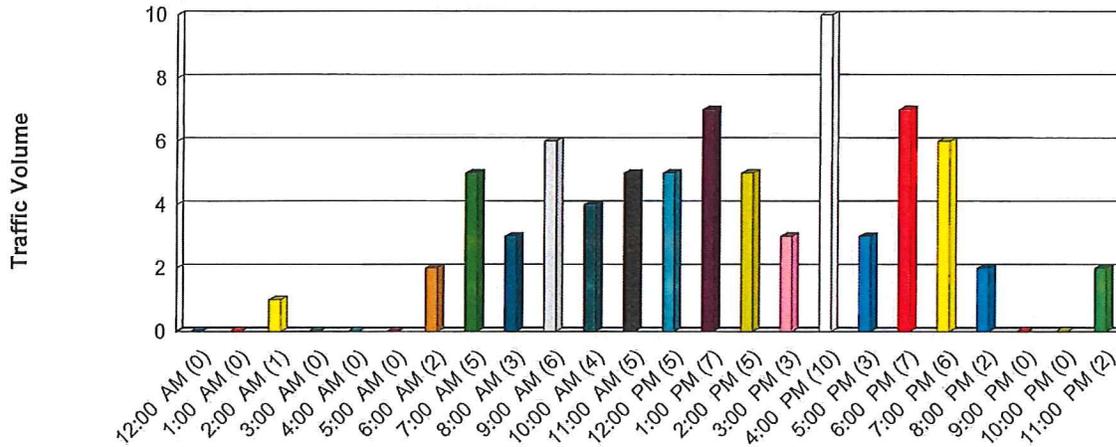
### Time/Volume Graph

For 05/02/2016



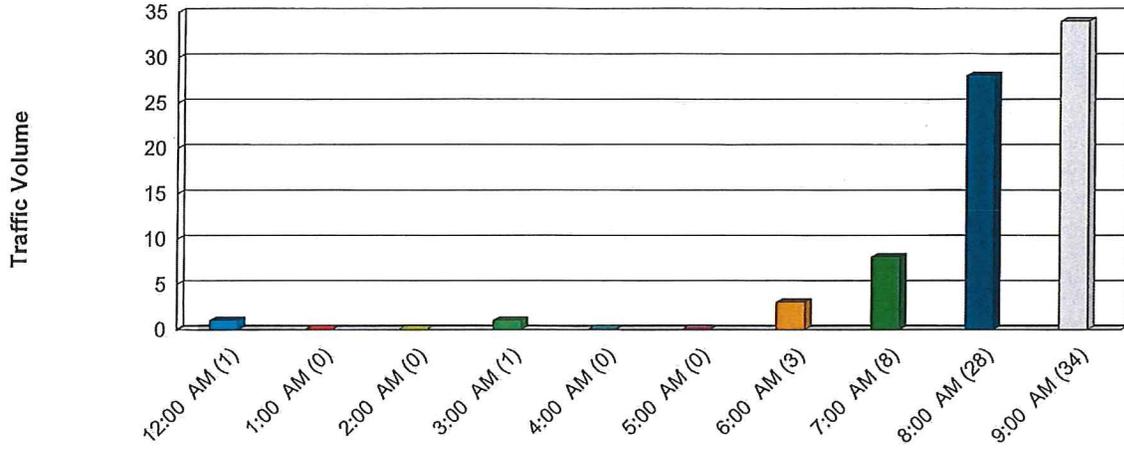
### Time/Volume Graph

For 05/03/2016



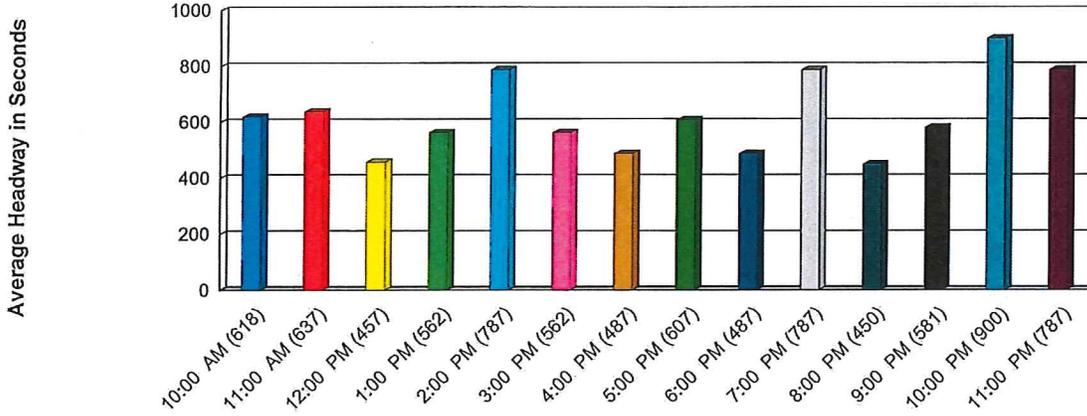
# Time/Volume Graph

For 05/04/2016

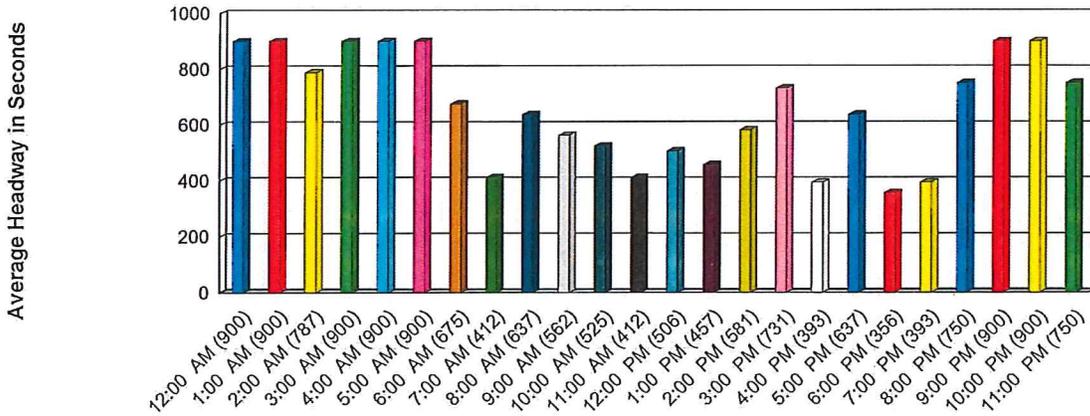


HI-Star ID: 3642	Begin: 05/02/2016 10:00 AM	End: 05/04/2016 10:00 AM
Street: Leebur (West of Hilltop)	Lane: EB	Hours: 48:00
State: MO	Oper: WES	Period: 15
	Posted: 25	Raw Count: 198
County: St. Louis	AADT Factor: 1	AADT Count: 99

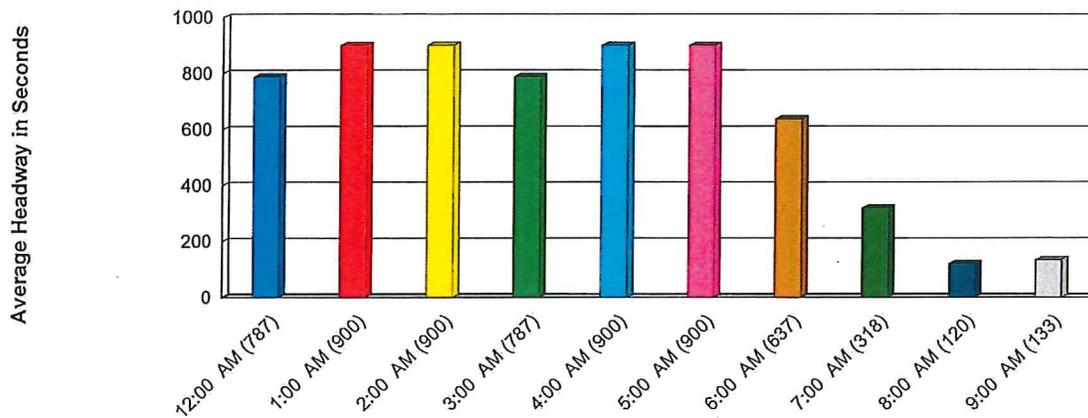
### Gap/Time Graph



### Gap/Time Graph



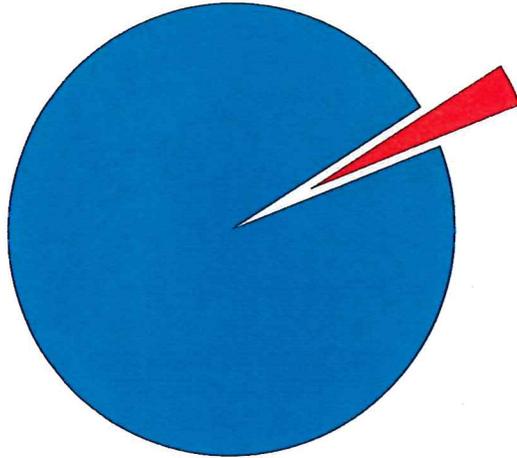
## Gap/Time Graph



Nu-Metrics Traffic Analyzer Study  
Computer Generated Summary Report  
City: City of Sunset Hills  
Street: Leebur (West of Hilltop)

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Vehicle Percentage Graph



■ Passenger Cars	96.97%	192
■ Small Trucks	3.03%	6
■ Trucks/Buses	0.00%	0
■ Tractor Trailers	0.00%	0

**Nu-Metrics Traffic Analyzer Study  
Computer Generated Summary Report  
City: Sunset Hills  
Street: Leebur (East of Hilltop)**

A study of vehicle traffic was conducted with HI-STAR unit number 3626. The study was done in the WB lane on Leebur (East of Hilltop) in Sunset Hills, MO in St. Louis county. The study began on 05/09/2016 at 10:00 AM and concluded on 05/11/2016 at 12:45 PM, lasting a total of 50 hours, 45 minutes. Data was recorded in 15 minute time periods. The total recorded volume of traffic showed 911 vehicles passed through the location with a peak volume of 106 on 05/11/2016 at 12:30 PM and a minimum volume of 0 on 05/09/2016 at 09:45 PM. The AADT Count for this study was 431.

**SPEED**

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

**Chart 1**

0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 >
0	9	82	423	296	31	5	3	2	3	1	4	43	4	1

At least half of the vehicles were traveling in the 20 - 24 mph range or a lower speed. The average speed for all classified vehicles was 27 mph with 10.6 percent exceeding the posted speed of 25 mph. The HI-STAR found 5.73 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 20 mph and the 85th percentile was 29.34 mph.

**CLASSIFICATION**

Chart 2 lists the values of the eight classification bins and the total traffic volume accumulated for each bin.

**Chart 2**

0 to 20	21 to 27	28 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 >
856	34	11	1	1	0	0	4

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 890 which represents 98.10 percent of the total classified vehicles. The number of Small Trucks in the study was 11 which represents 1.20 percent of the total classified vehicles. The number of Trucks/Buses in the study was 1 which represents 0.10 percent of the total classified vehicles. The number of Tractor Trailers in the study was 5 which represents 0.60 percent of the total classified vehicles.

**HEADWAY**

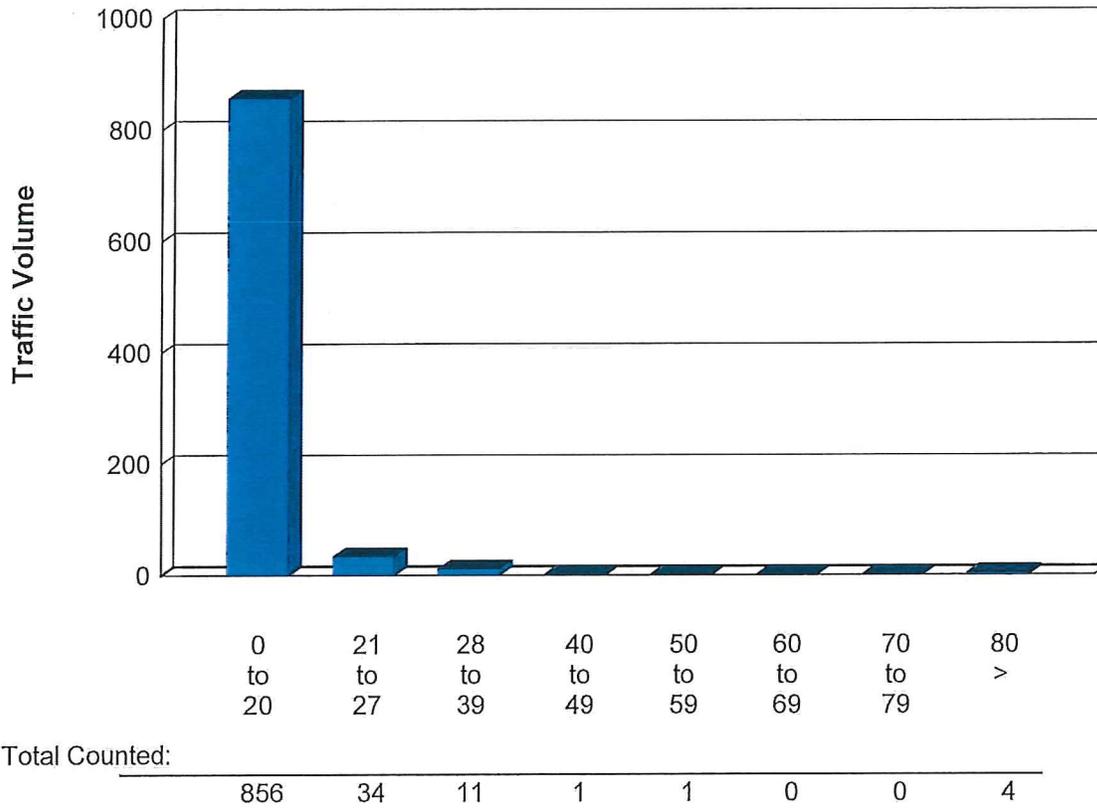
During the peak time period, on 05/11/2016 at 12:30 PM the average headway between the vehicles was 8.41 seconds. The slowest traffic period was on 05/09/2016 at 09:45 PM. During this slowest period, the average headway was 900.0 seconds.

**WEATHER**

The roadway surface temperature over the period of the study varied between 66 and 105 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 85.22 percent of the time.

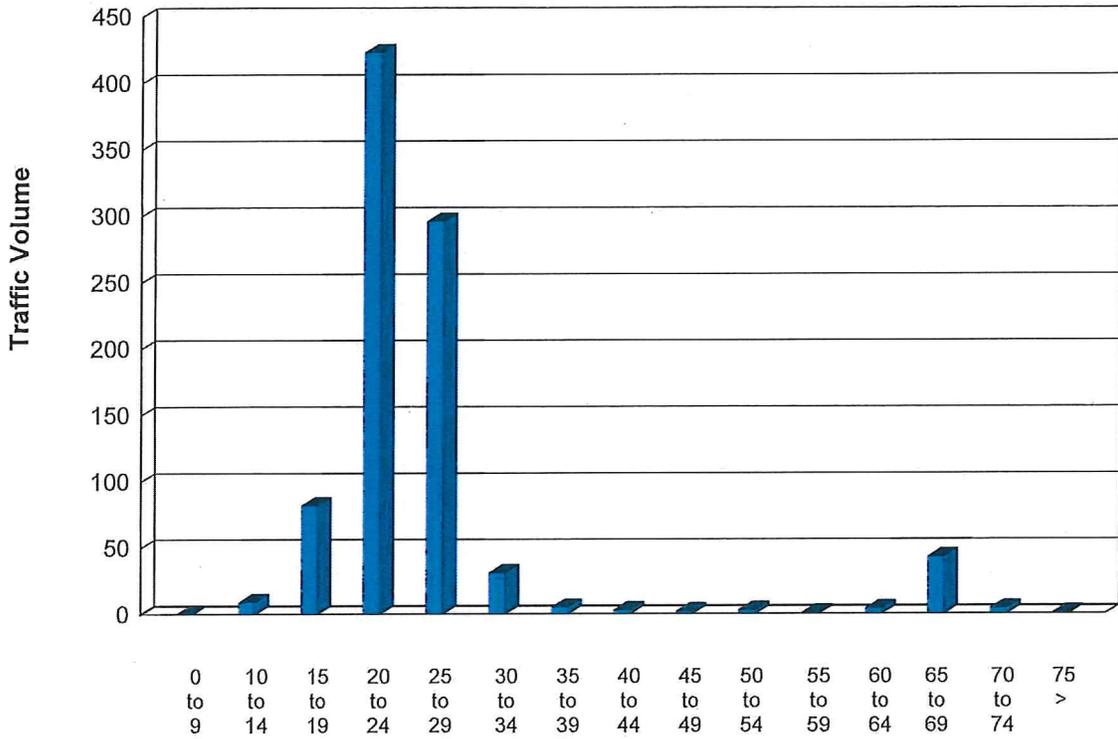
HI-Star ID: 3626	Begin: 05/09/2016 10:00 AM	End: 05/11/2016 12:45 PM
Street: Leebur (East of Hilltop)	Lane: WB	Hours: 50:45
State: MO	Oper: WES	Period: 15
City: Sunset Hills	Posted: 25	Raw Count: 911
County: St. Louis	AADT Factor: 1	AADT Count: 431

## Class/Volume Graph



HI-Star ID: 3626	Begin: 05/09/2016 10:00 AM	End: 05/11/2016 12:45 PM
Street: Leebur (East of Hilltop)	Lane: WB	Hours: 50:45
State: MO	Oper: WES	Period: 15
City: Sunset Hills	Posted: 25	Raw Count: 911
County: St. Louis	AADT Factor: 1	AADT Count: 431

## Speed/Volume Graph



Report Totals:

0	9	82	296	5	3	2	3	1	4	43	4	1
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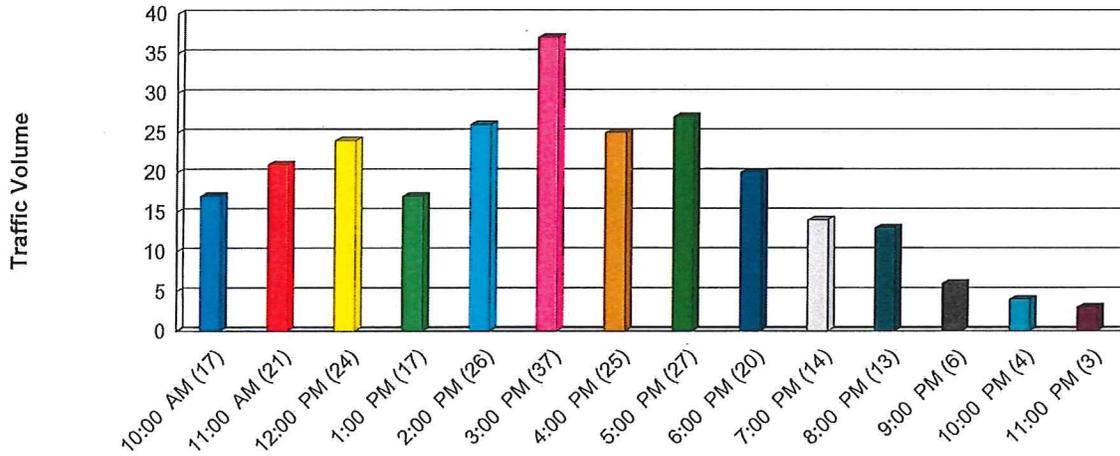
HI-Star ID: 3626  
 Street: Leebur (East of Hilltop)  
 State: MO  
 City: Sunset Hills  
 County: St. Louis

Begin: 05/09/2016 10:00 AM  
 Lane: WB  
 Oper: WES  
 Posted: 25  
 AADT Factor: 1

End: 05/11/2016 12:45 PM  
 Hours: 50:45  
 Period: 15  
 Raw Count: 911  
 AADT Count: 431

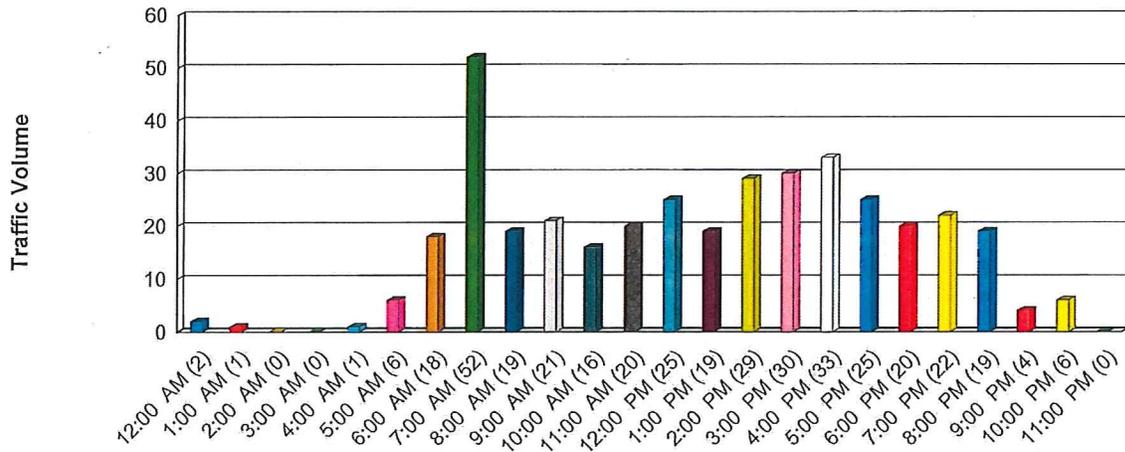
### Time/Volume Graph

For 05/09/2016



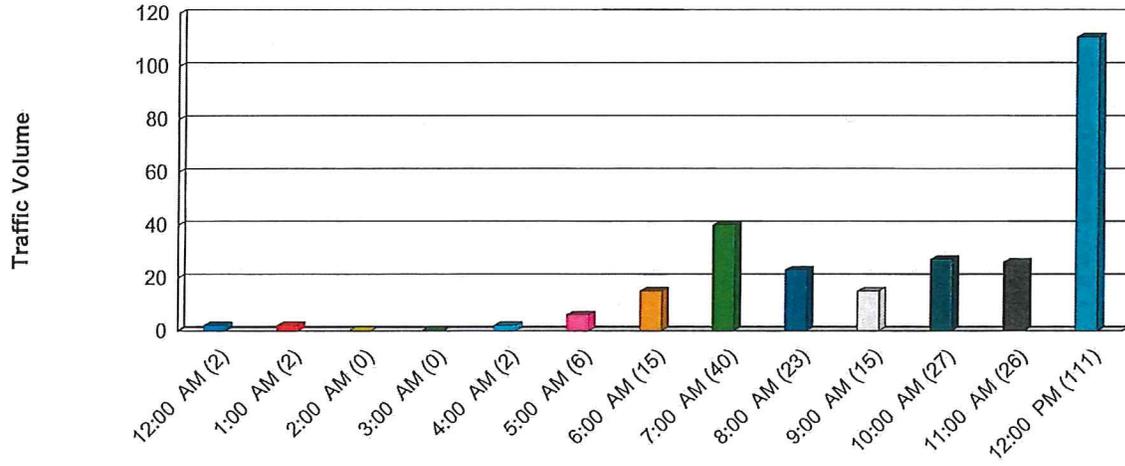
### Time/Volume Graph

For 05/10/2016



# Time/Volume Graph

For 05/11/2016



HI-Star ID: 3626

Street: Leebur (East of Hilltop)

State: MO

City: Sunset Hills

County: St. Louis

Begin: 05/09/2016 10:00 AM

Lane: WB

Oper: WES

Posted: 25

AADT Factor: 1

End: 05/11/2016 12:45 PM

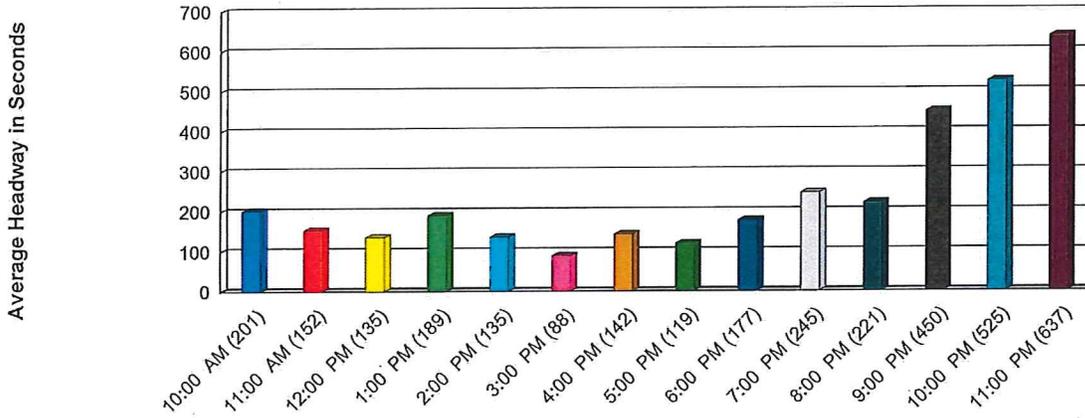
Hours: 50:45

Period: 15

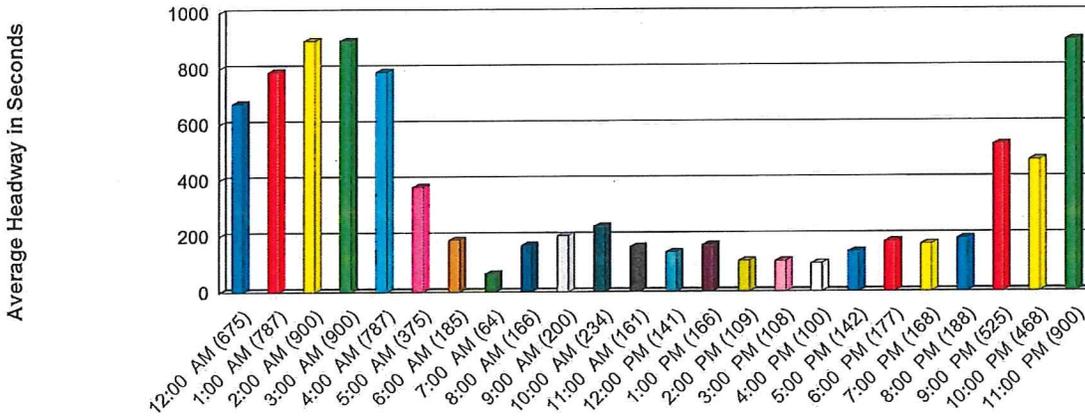
Raw Count: 911

AADT Count: 431

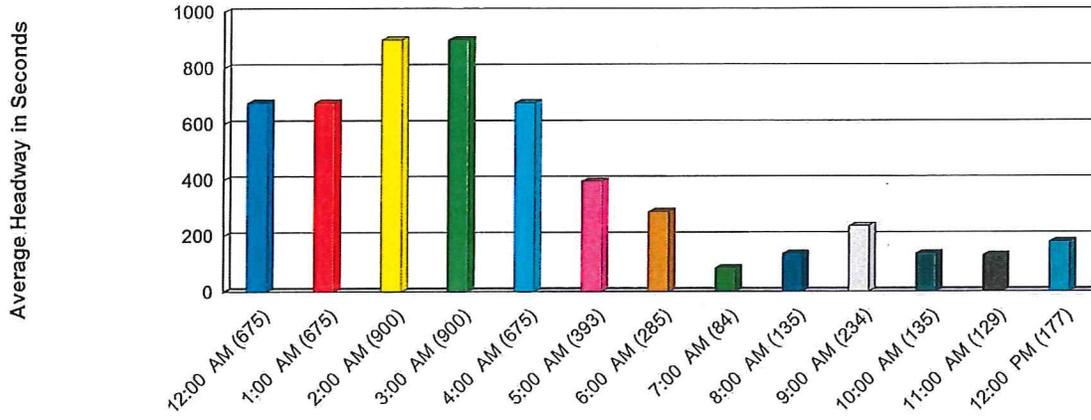
### Gap/Time Graph



### Gap/Time Graph



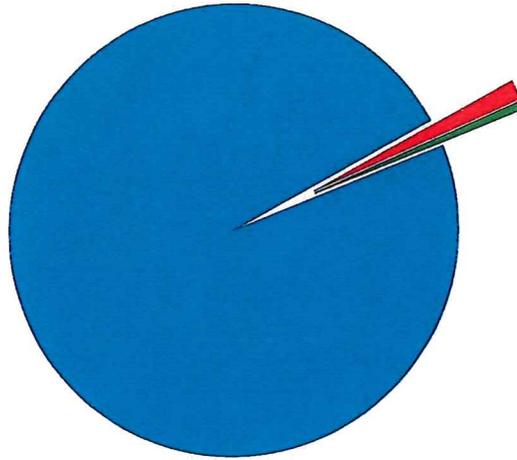
## Gap/Time Graph



Nu-Metrics Traffic Analyzer Study  
Computer Generated Summary Report  
City: Sunset Hills  
Street: Leebur (East of Hilltop)

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Vehicle Percentage Graph



■ Passenger Cars	98.13%	890
■ Small Trucks	1.21%	11
■ Trucks/Buses	0.11%	1
■ Tractor Trailers	0.55%	5

**Nu-Metrics Traffic Analyzer Study**  
**Computer Generated Summary Report**  
**City: Sunset Hills**  
**Street: Leebur (East of Hilltop)**

A study of vehicle traffic was conducted with HI-STAR unit number 3642. The study was done in the EB lane on Leebur (East of Hilltop) in Sunset Hills, MO in St. Louis county. The study began on 05/09/2016 at 10:00 AM and concluded on 05/11/2016 at 01:00 PM, lasting a total of 51 hours. Data was recorded in 15 minute time periods. The total recorded volume of traffic showed 930 vehicles passed through the location with a peak volume of 220 on 05/11/2016 at 12:30 PM and a minimum volume of 0 on 05/09/2016 at 10:00 PM. The AADT Count for this study was 438.

**SPEED**

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

**Chart 1**

0	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	>
9	14	19	24	29	34	39	44	49	54	59	64	69	74	
0	12	177	330	238	26	17	44	7	45	9	15	3	3	4

At least half of the vehicles were traveling in the 20 - 24 mph range or a lower speed. The average speed for all classified vehicles was 27 mph with 18.6 percent exceeding the posted speed of 25 mph. The HI-STAR found 2.69 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 20 mph and the 85th percentile was 37.21 mph.

**CLASSIFICATION**

Chart 2 lists the values of the eight classification bins and the total traffic volume accumulated for each bin.

**Chart 2**

0	21	28	40	50	60	70	80
to	to	to	to	to	to	to	>
20	27	39	49	59	69	79	
868	38	16	8	0	0	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 906 which represents 97.40 percent of the total classified vehicles. The number of Small Trucks in the study was 16 which represents 1.70 percent of the total classified vehicles. The number of Trucks/Buses in the study was 8 which represents 0.90 percent of the total classified vehicles. The number of Tractor Trailers in the study was 0 which represents 0.00 percent of the total classified vehicles.

**HEADWAY**

During the peak time period, on 05/11/2016 at 12:30 PM the average headway between the vehicles was 4.07 seconds. The slowest traffic period was on 05/09/2016 at 10:00 PM. During this slowest period, the average headway was 900.0 seconds.

**WEATHER**

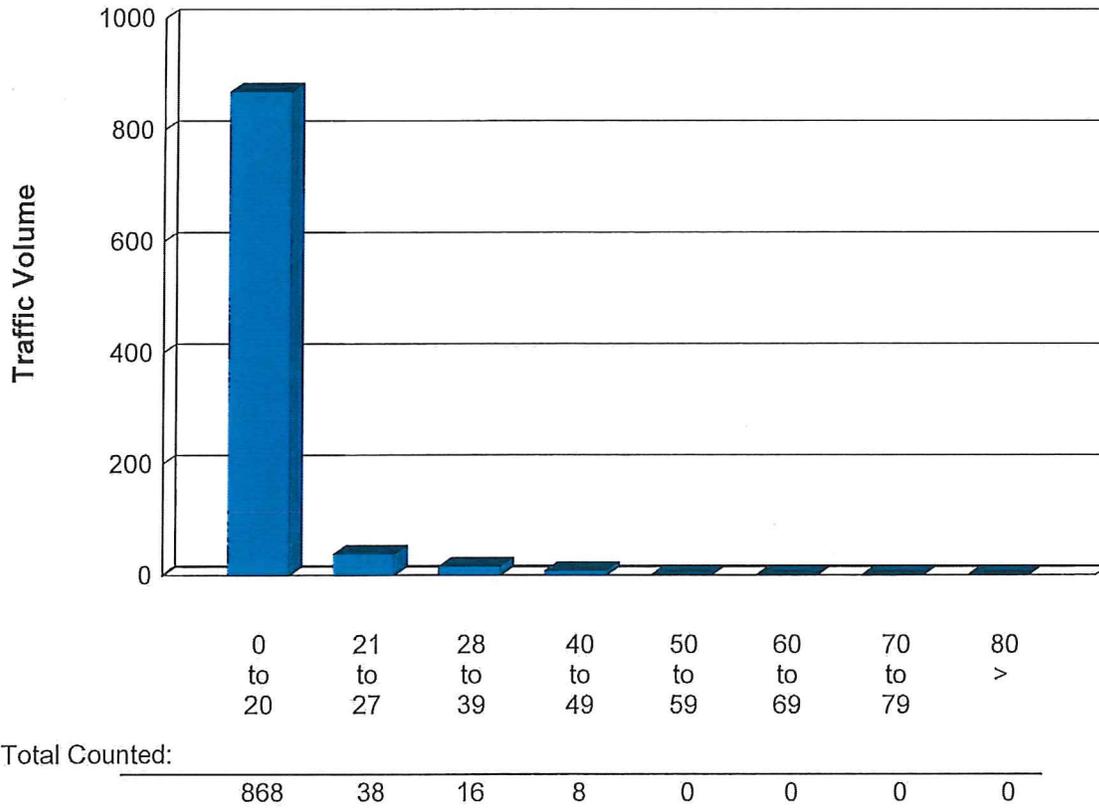
The roadway surface temperature over the period of the study varied between 64 and 109 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 92.65 percent of the time.

HI-Star ID: 3642  
 Street: Leebur (East of Hilltop)  
 State: MO  
 City: Sunset Hills  
 County: St. Louis

Begin: 05/09/2016 10:00 AM  
 Lane: EB  
 Oper: WES  
 Posted: 25  
 AADT Factor: 1

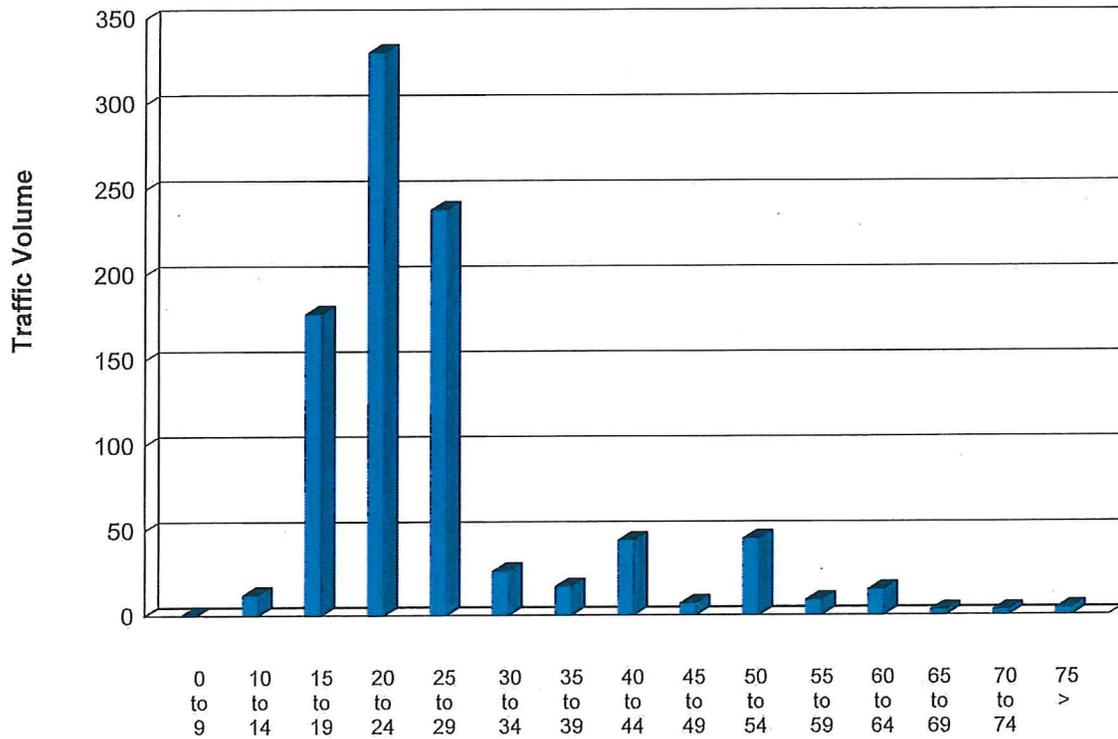
End: 05/11/2016 01:00 PM  
 Hours: 51:00  
 Period: 15  
 Raw Count: 930  
 AADT Count: 438

## Class/Volume Graph



HI-Star ID: 3642	Begin: 05/09/2016 10:00 AM	End: 05/11/2016 01:00 PM
Street: Leebur (East of Hilltop)	Lane: EB	Hours: 51:00
State: MO	Oper: WES	Period: 15
City: Sunset Hills	Posted: 25	Raw Count: 930
County: St. Louis	AADT Factor: 1	AADT Count: 438

## Speed/Volume Graph



Report Totals:

0	177	238	17	7	9	3	4
12	330	26	44	45	15	3	

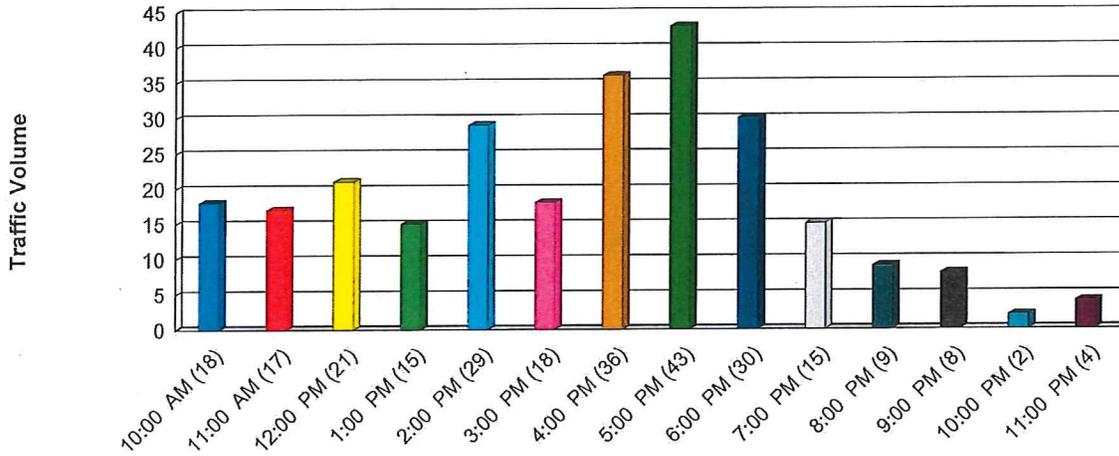
HI-Star ID: 3642  
 Street: Leebur (East of Hilltop)  
 State: MO  
 City: Sunset Hills  
 County: St. Louis

Begin: 05/09/2016 10:00 AM  
 Lane: EB  
 Oper: WES  
 Posted: 25  
 AADT Factor: 1

End: 05/11/2016 01:00 PM  
 Hours: 51:00  
 Period: 15  
 Raw Count: 930  
 AADT Count: 438

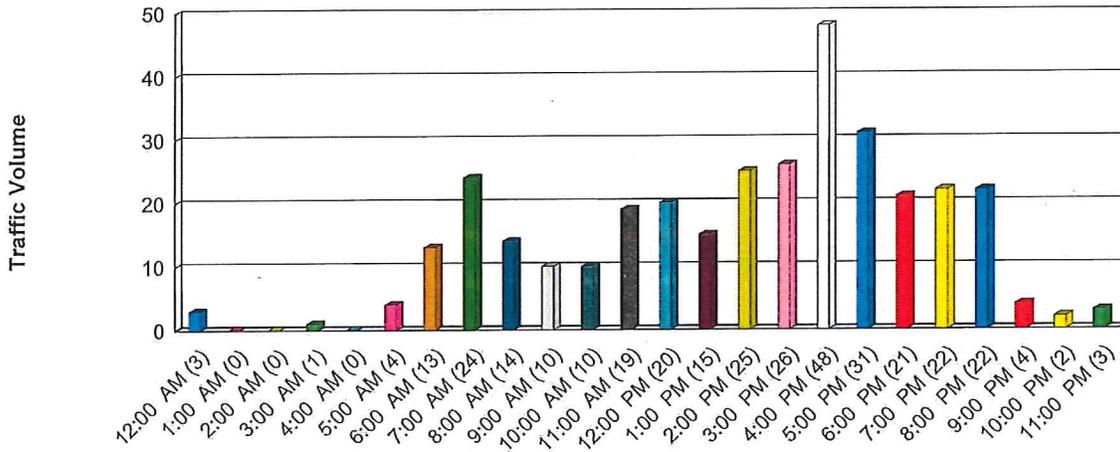
### Time/Volume Graph

For 05/09/2016



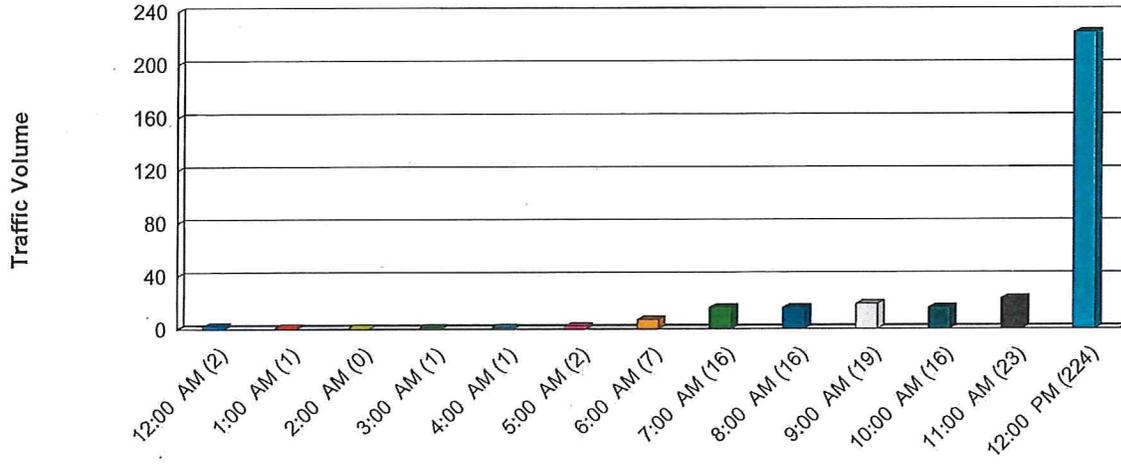
### Time/Volume Graph

For 05/10/2016



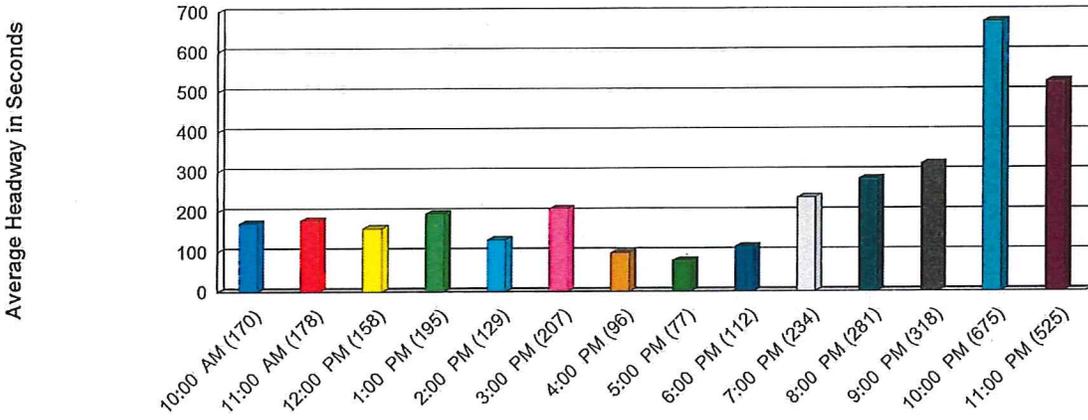
# Time/Volume Graph

For 05/11/2016

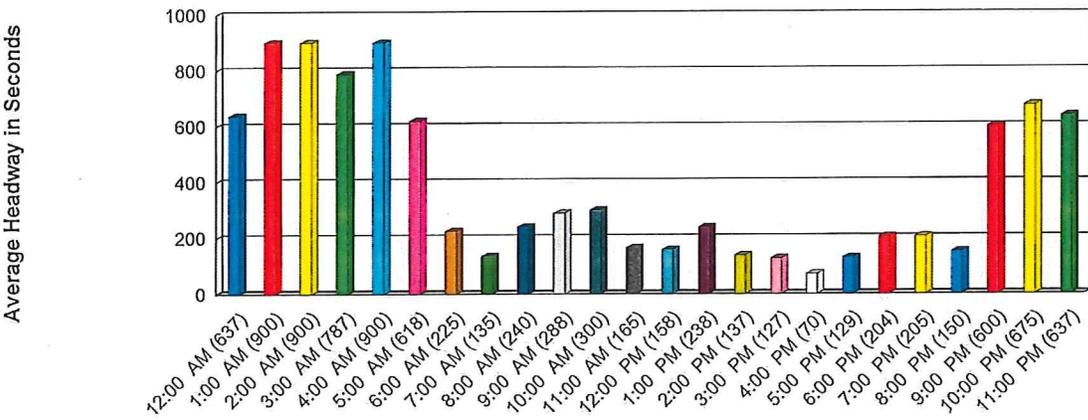


HI-Star ID: 3642	Begin: 05/09/2016 10:00 AM	End: 05/11/2016 01:00 PM
Street: Leebur (East of Hilltop)	Lane: EB	Hours: 51:00
State: MO	Oper: WES	Period: 15
City: Sunset Hills	Posted: 25	Raw Count: 930
County: St. Louis	AADT Factor: 1	AADT Count: 438

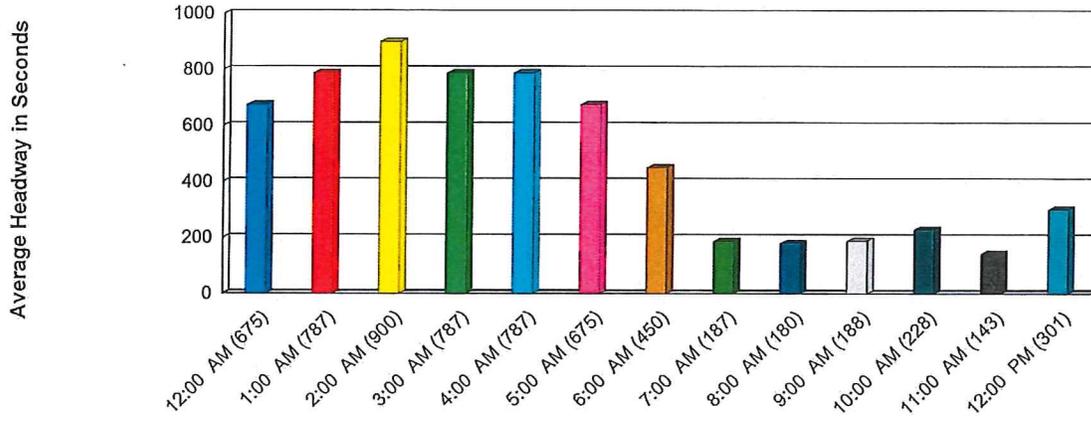
### Gap/Time Graph



### Gap/Time Graph



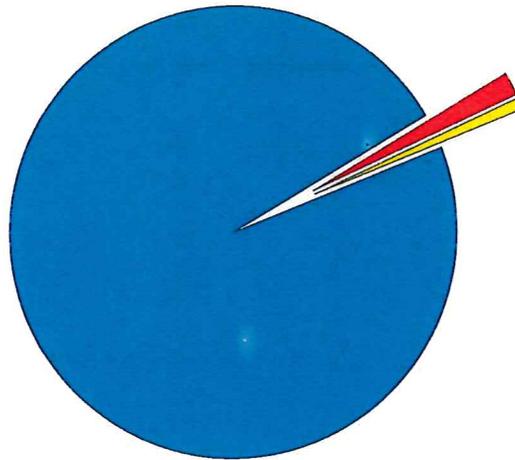
## Gap/Time Graph



Nu-Metrics Traffic Analyzer Study  
Computer Generated Summary Report  
City: Sunset Hills  
Street: Leebur (East of Hilltop)

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Vehicle Percentage Graph



■ Passenger Cars	97.42%	906
■ Small Trucks	1.72%	16
■ Trucks/Buses	0.86%	8
■ Tractor Trailers	0.00%	0



**FREEMAN**  
HOMES

April 21, 2016

Bryson E Baker  
City Engineer and Director of Public Works  
City of Sunset Hills

Dear Mr. Baker,

The purpose of this letter is to express our sincere interest in purchasing a property that is currently owned and maintained by the City of Sunset Hills. We would greatly appreciate the opportunity to purchase 118 Monica after being presented and reviewed by the Public Works committee of Sunset Hills. That being said, we respectfully request that this intent to purchase 118 Monica will be added to the agenda of the upcoming Public Works committee meeting.

Our intent is to not only relieve the city of this property's current maintenance and upkeep, but also to add a new home perfect for a family to grow and prosper. At this time we have the opportunity to purchase the adjacent lot (122 Monica) and with the addition of the 118 Monica, we would definitely make our design ideas happen and highlight the chance to improve the neighborhood with a newly designed home with your approval.

We appreciate your time and consideration at this time. Please feel free to contact me if you have any questions or concerns.

Best regards,



Harry Freeman

314.725.3100 ext. 101

[hfreeman@freemanhomesllc.com](mailto:hfreeman@freemanhomesllc.com)

## **Bryson E. Baker**

---

**From:** Robert E Jones <REJones@chgolaw.com>  
**Sent:** Friday, May 27, 2016 1:18 PM  
**To:** rheacock@sunset-hills.com  
**Cc:** Bryson E. Baker; Pat Fribis; Richard Gau  
**Subject:** Public Works and Capital Improvement Committees  
**Attachments:** Cap Improvements Comm Ordinance 5.27.16.docx

Robert Heacock asked me to provide an overview of the public works committee, its composition and codified functions. The specific sections are as follows:

### **ARTICLE II. - PUBLIC WORKS COMMITTEE**

#### **Sec. 24-21. - Established; duties.**

There is hereby established a public works committee which shall make recommendations to the board of aldermen concerning the following:

- (1) Preparation of the public works department budget;
- (2) Approval of budgeted capital expenses;
- (3) Preparation and review of a long-term capital improvements plan; and
- (4) Review and recommendation of ordinances relative to public works activities.

#### **Sec. 24-22. - Membership.**

The public works committee shall consist of one (1) alderman from each ward. The public works director shall serve as an ex officio member of the committee. The chair of the committee shall be designated by the mayor with the approval of the board of aldermen.

#### **Sec. 24-23. - Nomination.**

The members shall be nominated by the mayor for a term which coincides with the alderman's term of office, and approved by the board of aldermen.

The committee is charged with making recommendations to the board of aldermen regarding four specific matters. Preparation of the public works department budget is a collaborative effort with staff and the input of the committee is welcomed, but this process will probably change with the appointment of a city administrator. The city administrator's duties include preparation and submission of the budget (see Sec. 2-70.D.). Approval of budgeted capital expenses has traditionally come from the chairman's report, with a recommendation and motion by the board of aldermen. Lately, we have tried to prepare and submit resolutions for these items so that there will be a specific agenda topic. This will avoid criticism from the media and will allow the board to review the item prior to meeting. Preparation and review of a long-term capital improvements plan overlaps with a specific duty of the soon to be codified capital improvement committee (see attached). This duty should probably be removed from those assigned to the public works committee. Finally, the review and recommendation of ordinances relative to public works activities has been the subject of some confusion regarding the origination of such an ordinance. In my opinion, the best practice would be to either request an ordinance at the committee level and then forward it to the board with a recommendation or wait for the board to request an ordinance that is then referred to the committee for review.

I encourage Bryson Baker to offer any suggestions that may be helpful because he has served as the staff liaison for this committee. I have also copied Mayor Fribis and Alderman Gau. If the public improvement committee bill is acceptable, it can be placed on the June 14 agenda. It is my understanding that the review of the public works committee structure will occur at the June 28 work session.

ROBERT E. JONES  
130 S. BEMISTON, SUITE 200, CLAYTON, MISSOURI 63105  
314-571-6825 (direct phone)  
314-571-6675 (direct fax)  
314-725-8788 (receptionist)  
[reJones@chgolaw.com](mailto:reJones@chgolaw.com)  
[www.chgolaw.com](http://www.chgolaw.com)

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