

RAVALLI COUNTY ORDINANCE # 41

SPEED LIMIT FOR TAMMANY LANE, HAMILTON, MONTANA

STATEMENT OF PURPOSE

The purpose of this Ordinance is to establish a speed limit for Tammany Lane, Hamilton, Montana to promote the health and safety of motorists, other roadway users and area residents.

RECITALS

WHEREAS, the Ravalli County Road and Bridge Department conducted a traffic speed study on Tammany Lane from Eastside Highway (SR 269) to a distance of 0.8 miles easterly along Tammany Lane, between 5/10/2017 and 5/17/2017, which determined that 32-34 miles per hour constituted approximately the 85th percentile of the sampled traffic; and

WHEREAS, the Road and Bridge Department's analysis indicates that a 35 miles-per-hour speed limit is appropriate and safe due to the surrounding development; and

WHEREAS, Sections 7-14-2113 and 61-8-310, MCA allow boards of county commissioners to establish speed limits on any county road, subject to certain parameters;

NOW THEREFORE BE IT ORDAINED BY THE BOARD OF COUNTY COMMISSIONERS OF RAVALLI COUNTY AS FOLLOWS:

SECTION 1. SPEED LIMIT ESTABLISHED

A regulatory speed limit of 35 miles-per-hour shall be established for Tammany Lane, beginning at Eastside Highway (SR 269) for a distance of 0.8 miles easterly along Tammany Lane, Hamilton, Ravalli County, Montana.

SECTION 2. SPEED LIMIT SIGNS

Upon receiving notice of the regulatory speed limit established by this Ordinance the Road and Bridge Department shall erect the appropriate signs giving drivers notice of the regulatory speed limit established by this Ordinance.

SECTION 3. PENALTY

Penalty for violation of this ordinance or any provision thereof shall be enforced according to Title 61, Chapter 8, MCA, or any other applicable state or local law.

Return: Commissioners



STATE OF MONTANA RAVALLI COUNTY Page: 1 of 10

DOCUMENT: 711629 PERMANENT FILE

RECORDED: 7/17/2017 12:44:16 PM

Regina Plettenberg, CLERK AND RECORDER

Fee \$0.00 By

Carianna M Newton

Deputy

SECTION 4. SEVERABILITY

If any part of this Ordinance is held to be invalid, such invalidity shall not affect other parts which can be given effect without the invalid part. To this end, provisions of this Ordinance are to be severable.

SECTION 5. EFFECTIVE DATE

This Ordinance shall be effective at the earlier of thirty days from the adoption of this Ordinance or upon the posting of appropriate signs giving notice of the regulatory speed limit on the affected roadway or portion thereof.

SECTION 6. DURATION

This Ordinance shall remain in effect until repealed or suspended by other legislative or judicial action.

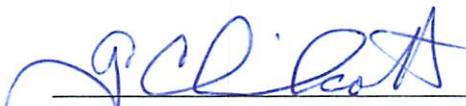
SECTION 7. REPEAL RESOLUTION 1010 IN PART

The Part (if any) of Ravalli County Resolution No.1010 applicable to this section of Tammany Lane shall be repealed.

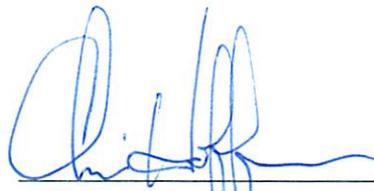
SECTION 8. CODIFICATION

If Ravalli County adopts a Ravalli County Code, the speed limit described in this Ordinance shall be listed referencing the purpose and findings in this Ordinance.

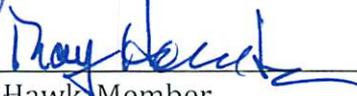
APPROVED AND INITIALLY ADOPTED AT FIRST READING THIS 30th DAY OF JUNE, 2017.



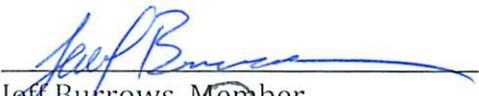
Greg Chilcott, Chairman



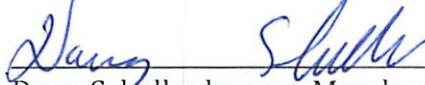
Chris Hoffman, Member



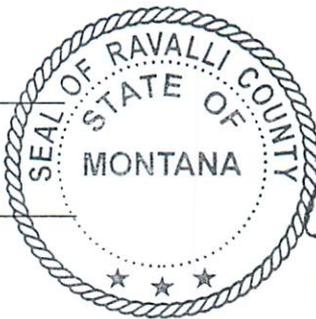
Ray Hawk, Member



Jeff Burrows, Member



Doug Schallenger, Member





Regina Plettenberg
Attest: Clerk & Recorder

Carianna M. Newton, Deputy

APPROVED AND ADOPTED AT SECOND READING THIS 14th DAY OF JULY, 2017.

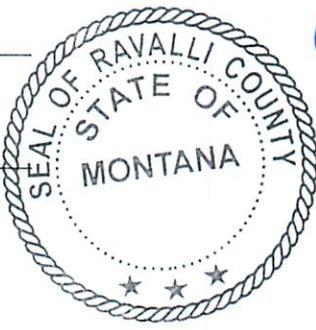
[Signature]
Greg Chilcott, Chairman

Jeff Burrows, Member

[Signature]
Ray Hawk, Member

[Signature]
Chris Hoffman, Member

Doug Schallenberger, Member



[Signature]
Regina Hottenberg
Attest: Clerk & Recorder

By: [Signature] Carianne M. Newton, Deputy

INVESTIGATIVE REPORT

SPEED LIMIT CHANGE REPORT DATE: 5/18/17

Road Name: Tammany Ln, Hamilton, MT 59840

Location of requested change: From Eastside Hwy 3700' East

Land Use Designation: Residential and Commercial

Current Speed Limit: 45 mph

Requested Speed Limit: 35 mph

This speed limit change was requested by: Road and Bridge Department

**Describe how the request was originated -
Residential approach permit and sight
distance issues**

Roadway Classification Minor Local Access

Existing ADT: 1754 (Mon-Fri)

Location of count: 300 feet off of Eastside Hwy.

Average speed: 29 mph

Pace speed: 23 mph to 33 mph

85th percentile speed: 33 mph

Location of measure: At counter

50th Percentile Speed: 29 mph

Existing lane width: 10 ft.

Design lane width if built new today: 12 ft

Existing shoulder width: Varies 0-1 ft gravel

Design shoulder width if built new today: 2 ft paved

Surface type: ACP x ___ BST x ___

Friction issue such as bleeding or flushing? None

No. of accidents last 10 years: 10 ___

Accident rate: 1/yr County average 645/yr

Concentration of accidents? Yes x ___ No ___

**If yes, where? 1600 feet off Eastside Hwy. Driveway at location
appears to have been abandoned.**

No. of driveways: ~ 2 in ½ mile

No. of driveways per mile: 5/mile
No. of stop signs: 1 at Eastside Hwy.
No. of county or major road intersections: 4

Mailboxes: 3
No. of mailboxes per mile: 3/mile
Roadside hazards not listed.

Driveway slopes and culvert bevels: N.A.

Well sloped and beveled? Yes x No _

General roadway terrain type: gently rolling

Steep roadside slopes? Yes

Vertical curve issues? On east side drop off to lower road elevation

Horizontal curve issues? Yes - 2-90 degree turns

Sight distance issues? Yes, on curves and at drop off to east.

Centerline stripe? Yes x No__

Edge stripe? Yes ____ No x

Through route? Yes x No _____

Heavy mixture of commercial traffic w/ residential?

Yes x No ____

Level of pedestrian activity: High __ Med x Low __

Level of bicycle activity: High __ Med __ Low x

Factors that may not be apparent to the typical driver:

Sheriff's Department comments: Supports lower speed limit

Other safety factors considered:

Recommended speed limit: 35 mph

Public input received by Road and Bridge Department (summary of written and oral): See attached.

Weekly Volume

Interval Start	Mon 5/8/2017		Tue 5/9/2017		Wed 5/10/2017		Thu 5/11/2017		Fri 5/12/2017		Sat 5/13/2017		Sun 5/14/2017		Mon - Fri Average		Weekly Average		
	Channel 1	Channel 2	Channel 1	Channel 2	Channel 1	Channel 2	Channel 1	Channel 2	Channel 1	Channel 2	Channel 1	Channel 2	Channel 1	Channel 2	Channel 1	Channel 2	Channel 1	Channel 2	
	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
12:00 AM	-	-	-	-	-	-	1	1	2	0	3	3	2	1	1.5	0.5	2.0	1.3	
1:00 AM	-	-	-	-	-	-	0	1	0	4	0	0	1	3	0.0	2.5	0.3	2.0	
2:00 AM	-	-	-	-	-	-	0	0	0	0	2	2	0	0	0.0	0.0	0.5	0.5	
3:00 AM	-	-	-	-	-	-	0	0	0	1	0	0	0	0	0.0	0.5	0.0	0.3	
4:00 AM	-	-	-	-	-	-	0	0	2	0	1	1	0	1	1.0	0.0	0.8	0.5	
5:00 AM	-	-	-	-	-	-	1	0	1	0	1	0	0	1	1.0	0.0	0.8	0.3	
6:00 AM	-	-	-	-	-	-	18	1	16	1	3	1	2	1	17.0	1.0	9.8	1.0	
7:00 AM	-	-	-	-	-	-	45	11	47	20	16	3	6	6	46.0	15.5	28.5	8.8	
8:00 AM	-	-	-	-	-	-	78	29	79	27	21	6	21	6	78.5	28.0	49.8	17.0	
9:00 AM	-	-	-	-	-	-	98	41	105	50	77	26	37	12	101.5	45.5	79.3	32.3	
10:00 AM	-	-	-	-	-	-	70	45	86	59	48	36	40	28	78.0	52.0	61.0	42.0	
11:00 AM	-	-	-	-	-	-	42	55	49	82	36	54	40	37	45.5	68.5	41.8	57.0	
12:00 PM	-	-	-	-	-	-	43	56	49	76	30	59	39	41	46.0	66.0	40.3	58.0	
1:00 PM	-	-	-	-	-	-	57	59	73	74	32	41	45	33	65.0	66.5	51.8	51.8	
2:00 PM	-	-	-	-	-	-	54	57	66	57	42	38	33	45	60.0	57.0	48.8	49.3	
3:00 PM	-	-	-	-	-	-	47	53	45	69	46	28	31	35	46.0	61.0	42.3	46.3	
4:00 PM	-	-	-	-	63	69	52	69	76	78	34	47	25	42	63.7	72.0	50.0	61.0	
5:00 PM	-	-	-	-	76	80	65	63	64	77	44	47	21	47	68.3	73.3	54.0	62.8	
6:00 PM	-	-	-	-	74	97	72	90	42	74	29	44	15	32	62.7	87.0	46.4	67.4	
7:00 PM	-	-	-	-	83	83	52	76	33	62	12	26	8	19	45.0	73.7	31.0	53.2	
8:00 PM	-	-	-	-	50	83	40	58	17	29	9	10	10	9	29.7	44.0	21.6	30.2	
9:00 PM	-	-	-	-	32	45	40	58	14	16	7	11	7	12	15.3	34.7	12.0	25.4	
10:00 PM	-	-	-	-	21	41	11	47	7	15	8	13	5	2	7.3	18.0	7.0	13.8	
11:00 PM	-	-	-	-	7	26	8	13	4	1	6	5	1	1	3.3	4.3	3.4	3.8	
11:00 PM	-	-	-	-	3	6	3	6	4	1	6	5	1	1	3.3	4.3	3.4	3.8	
Totals	0	0	0	0	326	447	857	831	877	872	507	501	389	409	882.3	871.5	682.7	685.6	
Combined	0	0	0	0	773	773	1688	1688	1749	1749	1008	1008	798	798	1753.8	1753.8	1368.3	1368.3	
Spilt (%)	-	-	-	-	42.2	57.8	50.8	49.2	50.1	49.9	50.3	49.7	48.7	51.3	50.3	49.7	49.9	50.1	
Peak Hours																			
12:00 AM - 12:00 PM	-	-	-	-	-	-	8:45 AM	11:00 AM	9:15 AM	11:00 AM	9:00 AM	10:30 AM	9:45 AM	11:00 AM	8:45 AM	11:00 AM	9:00 AM	11:00 AM	
Volume	-	-	-	-	-	-	106	55	108	82	77	54	41	37	104.5	68.5	79.3	57.0	
Factor	-	-	-	-	-	-	0.88	0.76	0.84	0.66	0.69	0.75	0.85	0.66	0.86	0.74	0.86	0.83	
12:00 PM - 12:00 AM	-	-	-	-	5:45 PM	5:30 PM	5:45 PM	6:00 PM	4:00 PM	6:30 PM	3:30 PM	12:00 PM	12:45 PM	4:30 PM	5:45 PM	6:30 PM	5:45 PM	6:00 PM	
Volume	-	-	-	-	83	101	82	90	76	84	49	59	51	58	74.7	88.3	54.8	67.4	
Factor	-	-	-	-	0.86	0.84	0.71	0.98	0.83	0.78	0.64	0.92	0.91	0.73	0.76	0.92	0.78	0.96	

Weekly Volume

Interval Start	Mon 5/15/2017		Tue 5/16/2017		Wed 5/17/2017		Thu 5/18/2017		Fri 5/19/2017		Sat 5/20/2017		Sun 5/21/2017		Mon - Fri Average		Weekly Average	
	Channel 1	Channel 2	Channel 1	Channel 2	Channel 1	Channel 2												
	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
12:00 AM	0	0	0	0	2	3	-	-	-	-	-	-	-	-	0.7	1.0	0.7	1.0
1:00 AM	1	1	1	0	0	0	-	-	-	-	-	-	-	-	0.7	0.3	0.7	0.3
2:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0
3:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0
4:00 AM	0	0	0	0	0	0	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0
5:00 AM	1	0	1	0	1	0	-	-	-	-	-	-	-	-	1.0	0.0	1.0	0.0
6:00 AM	31	4	25	2	26	1	-	-	-	-	-	-	-	-	27.3	2.3	27.3	2.3
7:00 AM	61	25	44	16	52	19	-	-	-	-	-	-	-	-	52.3	20.0	52.3	20.0
8:00 AM	62	41	65	37	64	47	-	-	-	-	-	-	-	-	63.7	41.7	63.7	41.7
9:00 AM	104	48	102	51	87	44	-	-	-	-	-	-	-	-	97.7	47.7	97.7	47.7
10:00 AM	97	66	67	51	70	43	-	-	-	-	-	-	-	-	78.0	53.3	78.0	53.3
11:00 AM	57	80	54	65	38	71	-	-	-	-	-	-	-	-	49.7	72.0	49.7	72.0
12:00 PM	49	72	53	66	58	59	-	-	-	-	-	-	-	-	53.3	65.7	53.3	65.7
1:00 PM	67	67	70	62	56	53	-	-	-	-	-	-	-	-	64.3	60.7	64.3	60.7
2:00 PM	46	65	46	50	55	66	-	-	-	-	-	-	-	-	49.0	60.3	49.0	60.3
3:00 PM	54	51	51	50	33	37	-	-	-	-	-	-	-	-	52.5	50.5	52.5	50.5
4:00 PM	54	84	72	85	-	-	-	-	-	-	-	-	-	-	63.0	84.5	63.0	84.5
5:00 PM	99	72	76	76	-	-	-	-	-	-	-	-	-	-	87.5	74.0	87.5	74.0
6:00 PM	80	98	85	107	-	-	-	-	-	-	-	-	-	-	82.5	102.5	82.5	102.5
7:00 PM	50	88	37	80	-	-	-	-	-	-	-	-	-	-	43.5	84.0	43.5	84.0
8:00 PM	35	59	28	54	-	-	-	-	-	-	-	-	-	-	31.5	56.5	31.5	56.5
9:00 PM	26	44	10	28	-	-	-	-	-	-	-	-	-	-	18.0	36.0	18.0	36.0
10:00 PM	6	21	8	13	-	-	-	-	-	-	-	-	-	-	7.0	17.0	7.0	17.0
11:00 PM	3	3	9	3	-	-	-	-	-	-	-	-	-	-	6.0	3.0	6.0	3.0
Totals	983	989	904	896	542	443	0	0	0	0	0	0	0	0	929.2	933.0	929.2	933.0
Combined	1972		1800		985		0	0	0	0	0	0	0	0	1862.2		1862.2	
Split (%)	49.8	50.2	50.2	49.8	55.0	45.0	-	-	-	-	-	-	-	-	49.9	50.1	49.9	50.1

Peak Hours

12:00 AM - 12:00 PM	9:15 AM	11:00 AM	9:00 AM	11:00 AM	8:45 AM	11:00 AM	-	-	-	-	-	-	-	-	9:00 AM	11:00 AM	9:00 AM	11:00 AM
Volume	111	80	102	65	90	71	-	-	-	-	-	-	-	-	97.7	72.0	97.7	72.0
Factor	0.84	0.57	0.85	0.86	0.80	0.61	-	-	-	-	-	-	-	-	0.93	0.65	0.93	0.65
12:00 PM - 12:00 AM	4:45 PM	6:30 PM	5:45 PM	5:45 PM	12:15 PM	2:15 PM	-	-	-	-	-	-	-	-	5:15 PM	6:00 PM	5:15 PM	6:00 PM
Volume	103	110	95	111	62	70	-	-	-	-	-	-	-	-	92.5	102.5	92.5	102.5
Factor	0.86	0.83	0.72	0.73	0.82	0.88	-	-	-	-	-	-	-	-	0.91	0.81	0.91	0.81

Daily Summaries

Wednesday 5/10/2017	Vehicles: 773	% Strikes Used	A: 98.1	B: 95.8				
	Average Axles per Vehicle: 2.08		Average 2-Axle Wheelbase: 126 in.					
	Peak Hour, 12:00 AM - 12:00 PM							
	Peak Hour, 12:00 PM - 12:00 AM	5:45 PM	Volume: 180	Factor: 0.85				
	mph	Average: 29.1	Percentiles	10%: 23.7	15%: 24.8	50%: 29.2	85%: 33.5	90%: 34.3
Thursday 5/11/2017	Vehicles: 1688	% Strikes Used	A: 98.2	B: 96.1				
	Average Axles per Vehicle: 2.10		Average 2-Axle Wheelbase: 127 in.					
	Peak Hour, 12:00 AM - 12:00 PM	8:45 AM	Volume: 155	Factor: 0.84				
	Peak Hour, 12:00 PM - 12:00 AM	5:45 PM	Volume: 162	Factor: 0.78				
	mph	Average: 28.8	Percentiles	10%: 24.2	15%: 25.0	50%: 28.9	85%: 32.8	90%: 33.5
Friday 5/12/2017	Vehicles: 1749	% Strikes Used	A: 99.2	B: 98.2				
	Average Axles per Vehicle: 2.09		Average 2-Axle Wheelbase: 127 in.					
	Peak Hour, 12:00 AM - 12:00 PM	9:45 AM	Volume: 160	Factor: 0.93				
	Peak Hour, 12:00 PM - 12:00 AM	4:00 PM	Volume: 154	Factor: 0.90				
	mph	Average: 29.0	Percentiles	10%: 24.0	15%: 25.0	50%: 28.9	85%: 33.1	90%: 33.9
Saturday 5/13/2017	Vehicles: 1008	% Strikes Used	A: 99.5	B: 98.9				
	Average Axles per Vehicle: 2.15		Average 2-Axle Wheelbase: 124 in.					
	Peak Hour, 12:00 AM - 12:00 PM	9:00 AM	Volume: 103	Factor: 0.76				
	Peak Hour, 12:00 PM - 12:00 AM	5:00 PM	Volume: 91	Factor: 0.78				
	mph	Average: 28.8	Percentiles	10%: 23.3	15%: 24.4	50%: 28.7	85%: 33.1	90%: 34.3
Sunday 5/14/2017	Vehicles: 798	% Strikes Used	A: 99.1	B: 98.0				
	Average Axles per Vehicle: 2.11		Average 2-Axle Wheelbase: 124 in.					
	Peak Hour, 12:00 AM - 12:00 PM	11:00 AM	Volume: 77	Factor: 0.66				
	Peak Hour, 12:00 PM - 12:00 AM	1:30 PM	Volume: 89	Factor: 0.86				
	mph	Average: 29.0	Percentiles	10%: 23.7	15%: 24.6	50%: 28.9	85%: 33.5	90%: 34.3
Monday 5/15/2017	Vehicles: 1972	% Strikes Used	A: 99.3	B: 98.7				
	Average Axles per Vehicle: 2.08		Average 2-Axle Wheelbase: 126 in.					
	Peak Hour, 12:00 AM - 12:00 PM	9:45 AM	Volume: 164	Factor: 0.89				
	Peak Hour, 12:00 PM - 12:00 AM	4:45 PM	Volume: 189	Factor: 0.93				
	mph	Average: 29.1	Percentiles	10%: 24.0	15%: 25.0	50%: 29.2	85%: 33.1	90%: 33.9
Tuesday 5/16/2017	Vehicles: 1800	% Strikes Used	A: 99.3	B: 99.0				
	Average Axles per Vehicle: 2.11		Average 2-Axle Wheelbase: 127 in.					
	Peak Hour, 12:00 AM - 12:00 PM	9:00 AM	Volume: 153	Factor: 0.91				
	Peak Hour, 12:00 PM - 12:00 AM	5:45 PM	Volume: 206	Factor: 0.77				
	mph	Average: 28.9	Percentiles	10%: 24.0	15%: 25.0	50%: 28.9	85%: 32.8	90%: 33.5

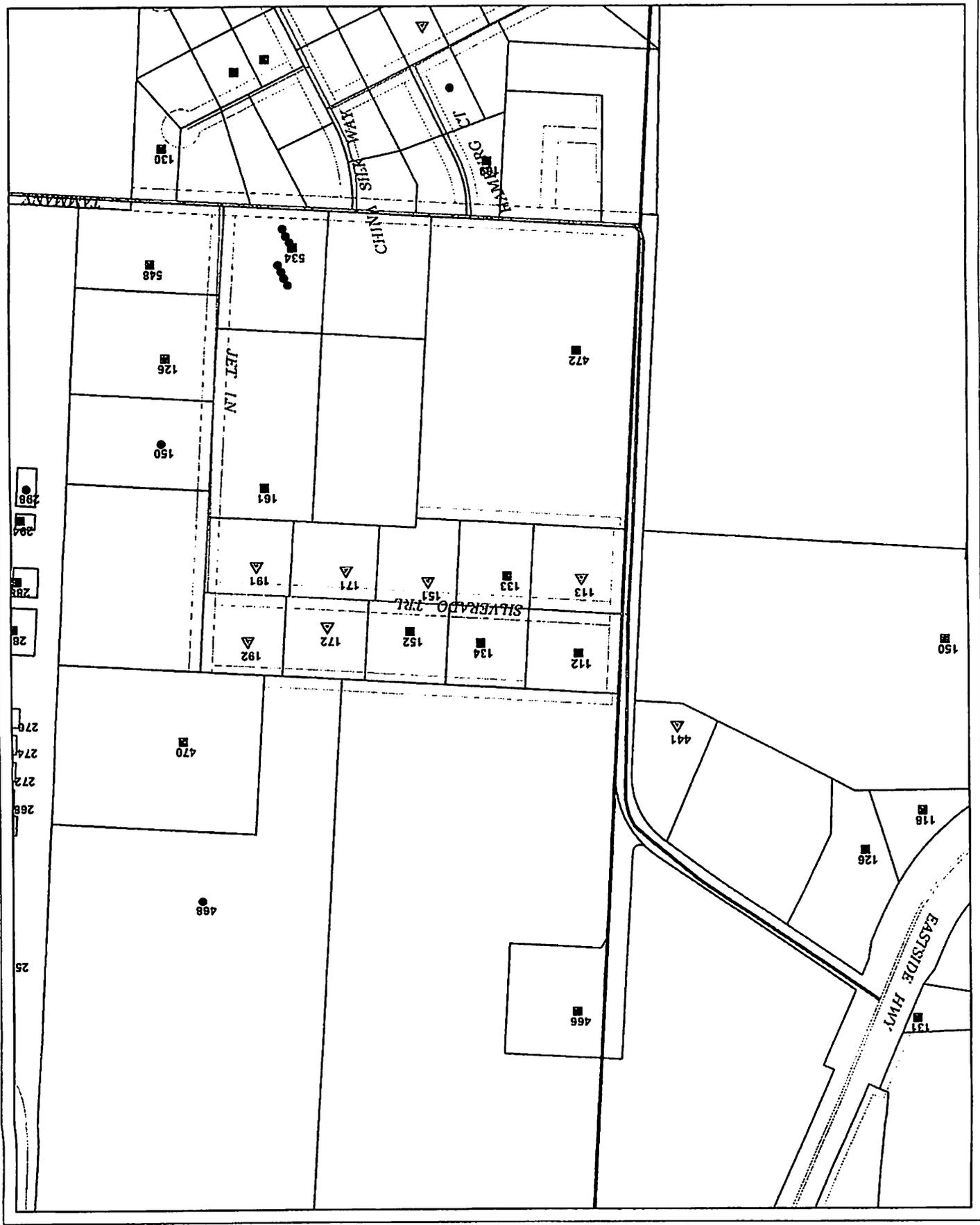
Daily Summaries

Wednesday **Vehicles:** 985 **% Strikes Used** **A:** 99.3 **B:** 99.0
5/17/2017 **Average Axles per Vehicle:** 2.06 **Average 2-Axle Wheelbase:** 127 in.
Peak Hour, 12:00 AM - 12:00 PM **8:45 AM** **Volume:** 140 **Factor:** 0.83
Peak Hour, 12:00 PM - 12:00 AM **12:30 PM** **Volume:** 128 **Factor:** 0.84
mph **Average:** 29.0 **Percentiles** **10%:** 24.2 **15%:** 25.0 **50%:** 28.9 **85%:** 32.8 **90%:** 33.9



0 300 600 Feet

Jun 22, 2017



- 288
- 294
- 288
- 28
- 278
- 274
- 272
- 268
- 25