



1459 Washington St.  
Muscatine, IA 52761-5040  
(563) 263-8933  
Fax (563) 263-2127

**Public Works**

**City Transit**  
263-8152

**MEMORANDUM**

**Equipment Maintenance**  
**Roadway Maintenance**  
**Collection & Drainage**  
**Building & Grounds**  
**Engineering**

To: Gregg Mandsager, City Administrator  
CC: Fran Donelson, Secretary  
FROM: Randy Hill, Public Works Director  
DATE: December 14, 2010  
RE: Parking Restriction – Cul-de-sac on Bonnie Drive

**INTRODUCTION:**

A request has been made to the city's Traffic Committee to restrict parking at the cul-de-sac on Bonnie Drive.

**BACKGROUND:**

Roadway Maintenance Equipment Operators have asked the city's Traffic Committee to prohibit parking on the cul-de-sac of Bonnie Drive. When residents park on the street in the cul-de-sac, it is not possible for snowplows to clear the area. It is also difficult for refuse trucks to turn in the radius when picking up garbage.

**RECOMMENDATION/RATIONALE:**

On-street parking is allowed on both sides of Bonnie Drive. In the cul-de-sac portion of this roadway, just as motorists enter/exit the High School, on-street parking becomes very problematic for our equipment operators plowing snow, collecting trash, picking up leaves and any other function which requires the larger equipment (i.e. trucks) to turn around which is the purpose of a cul-de-sac. As a result we are requesting "No Parking" be posted in the cul-de-sac portion only of Bonnie Drive. The one household primarily affected has off-street parking available and on-street parking near their residence.

It is the Traffic committee's recommendation to post "No Parking" on the cul-de-sac of Bonnie Drive.

**BACKUP INFORMATION:**

**"I remember Muscatine for its sunsets. I have never seen any on either side of the ocean that equaled them" — Mark Twain**

1. Photo of Bonnie Drive cul-de-sac
- 2.
- 3.
- 4.





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MEMORANDUM

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To: Gregg Mandsager, City Administrator  
CC: Fran Donelson, Secretary  
FROM: Randy Hill, Public Works Director  
DATE: December 14, 2010  
RE: Speed Limit on Dick Drake Way

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INTRODUCTION:

The Traffic Committee discussed a request to increase the speed limit on Dick Drake Way between Grandview/US 61 and Stewart Road from the current 35 mph to 40 mph.

BACKGROUND:

Dick Drake Way (formerly known as the Industrial Connector) was designed for a 40 mph speed limit (Henry Tober was part of the design team). Daily users of this route have requested the limit be increased to 40 mph since “most drivers are going that fast”. The Traffic Committee wanted confirmation of that statement.

RECOMMENDATION/RATIONALE:

The Police Department placed their speed trailer on Dick Drake Way November 15 – 17, 2010. Data results show the majority of motorists are driving between 30 mph – 45 mph. The Department of Transportation uses the “85<sup>th</sup> Percentile” rule as a standard for determining speed limits. According to Assistant Police Chief Phil Sargent the data from the speed trailer does “reflect the 85<sup>th</sup> percentile of persons driving above the 40 mph range” on Dick Drake Way.

It is the Traffic Committee’s recommendation to increase the speed limit to 40 mph on Dick Drake Way between US 61 and Stewart Road.

BACKUP INFORMATION:

1. Traffic data from Speed Trailer on Dick Drake Way

**"I remember Muscatine for its sunsets. I have never seen any on either side of the ocean that equaled them" — Mark Twain**

**Hill, Randy**

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**From:** Talkington, Brett  
**Sent:** Tuesday, December 07, 2010 12:59 PM  
**To:** Hill, Randy  
**Subject:** Dick Drake Way speed stats  
**Attachments:** [xerox@ci.muscatine.ia.us\\_20101207\\_130723.pdf](mailto:xerox@ci.muscatine.ia.us_20101207_130723.pdf)

Randy this does reflect the 85th percentile of persons driving above the 40 MPH range. Phil confirmed this when I showed him our stats. Hope this helps if we need to up the speed to 40 MPH.

**Muscatine Police Department**  
**Traffic Analysis Division**  
**Cpt.Talkington - Traffic Czar**

Site:  
Date: 11/15/10

Begin Time	Total	Direction:													Avg
		1-14 MPH	15-19 MPH	20-24 MPH	25-29 MPH	30-34 MPH	35-39 MPH	40-44 MPH	45-49 MPH	50-54 MPH	55-59 MPH	60-64 MPH	65-69 MPH	70-99 MPH	
12:AM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	65	0	2	0	2	23	25	9	3	1	0	0	0	0	36
11:00	76	0	0	2	3	35	19	12	5	0	0	0	0	0	35
12:PM	81	9	1	2	8	31	17	11	2	0	0	0	0	0	31
01:00	98	3	0	0	5	34	41	13	2	0	0	0	0	0	35
02:00	105	0	0	1	2	34	48	15	5	0	0	0	0	0	36
03:00	108	0	0	0	3	26	40	28	10	0	1	0	0	0	38
04:00	89	0	0	1	4	14	43	18	6	3	0	0	0	0	38
05:00	82	0	0	0	3	28	27	18	5	1	0	0	0	0	37
06:00	75	0	0	0	5	26	30	8	5	1	0	0	0	0	36
07:00	72	0	0	1	6	21	31	9	4	0	0	0	0	0	36
08:00	41	0	0	0	5	13	11	12	0	0	0	0	0	0	36
09:00	46	0	0	1	0	16	20	8	1	0	0	0	0	0	36
10:00	40	0	0	1	1	15	17	5	1	0	0	0	0	0	35
11:00	27	0	0	1	2	11	6	5	2	0	0	0	0	0	35
Daily Totals	1,005	12	3	10	49	327	375	171	51	6	1	0	0	0	36

Percent of Total 1.2 0.3 1.0 4.9 32.5 37.3 17.0 5.1 0.6 0.1 0.0 0.0 0.0

Percentile Speeds 10% 15% 50% 85% 90%  
30.4 31.2 36.4 42.3 43.8

10 MPH Pace Speed : 30 - 40  
Number in pace : 702  
% in pace : 69.9

Speed Exceeded : 45 MPH 55 MPH 65 MPH  
Percentage : 5.8 0.1 0.0  
Totals : 58 1 0

**Muscatine Police Department**  
**Traffic Analysis Division**  
**Cpt.Talkington - Traffic Czar**

Site:  
 Date: 11/16/10

Begin Time	Total	Direction:												Avg
		1-14 MPH	15-19 MPH	20-24 MPH	25-29 MPH	30-34 MPH	35-39 MPH	40-44 MPH	45-49 MPH	50-54 MPH	55-59 MPH	60-64 MPH	65-69 MPH	
12:AM	25	0	0	0	4	10	7	4	0	0	0	0	0	34
01:00	20	0	0	1	1	8	8	1	0	0	0	0	0	34
02:00	14	0	0	0	2	6	4	1	0	1	0	0	0	35
03:00	11	0	0	1	2	3	5	0	0	0	0	0	0	32
04:00	24	0	0	1	0	15	4	3	1	0	0	0	0	34
05:00	68	0	0	1	2	20	19	0	0	0	0	0	1	37
06:00	86	0	0	0	9	22	36	19	0	0	0	0	0	36
07:00	93	5	1	0	1	25	35	20	5	0	1	0	0	36
08:00	84	0	0	1	6	22	29	20	6	0	0	0	0	37
09:00	100	0	0	1	10	31	40	13	4	1	0	0	0	36
10:00	104	0	0	0	7	42	26	18	10	1	0	0	0	36
11:00	103	0	0	0	7	37	36	17	5	1	0	0	0	36
12:PM	106	6	0	0	1	29	50	17	3	0	0	0	0	35
01:00	102	0	0	0	7	26	32	18	17	2	0	0	0	38
02:00	100	0	0	2	7	28	34	24	4	1	0	0	0	36
03:00	100	2	0	2	7	15	43	22	8	1	0	0	0	37
04:00	96	3	1	0	1	25	39	22	5	0	0	0	0	36
05:00	104	8	29	0	6	26	19	11	5	0	0	0	0	28
06:00	65	0	0	0	8	26	24	6	1	0	0	0	0	34
07:00	55	0	0	2	7	21	15	8	2	0	0	0	0	34
08:00	38	0	0	1	5	20	6	5	1	0	0	0	0	35
09:00	37	1	0	0	3	14	11	5	3	0	0	0	0	35
10:00	33	0	0	0	7	7	12	5	2	0	0	0	0	35
11:00	20	2	1	0	3	3	9	2	0	0	0	0	0	31
Daily Totals	1,588	27	32	13	113	481	549	280	83	8	1	0	1	35

Percent of Total	1.7	2.0	0.8	7.1	30.3	34.6	17.6	5.2	0.5	0.1	0.0	0.1	0.0
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Percentile Speeds	<u>10%</u> 28.8	<u>15%</u> 30.6	<u>50%</u> 36.2	<u>85%</u> 42.4	<u>90%</u> 43.8
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10 MPH Pace Speed : 30 - 40  
 Number in pace : 1,030  
 % in pace : 64.9

Speed Exceeded : 45 MPH  
 Percentage : 5.9  
 Totals : 93

Speed Exceeded : 55 MPH  
 Percentage : 0.1  
 Totals : 2

Speed Exceeded : 65 MPH  
 Percentage : 0.1  
 Totals : 1

**Muscatine Police Department**  
**Traffic Analysis Division**  
**Cpt.Talkington - Traffic Czar**

Site:  
 Date: 11/17/10

Begin Time	Total	Direction:													Avg
		1-14 MPH	15-19 MPH	20-24 MPH	25-29 MPH	30-34 MPH	35-39 MPH	40-44 MPH	45-49 MPH	50-54 MPH	55-59 MPH	60-64 MPH	65-69 MPH	70-99 MPH	
12:AM	19	0	0	0	2	10	5	2	0	0	0	0	0	0	34
01:00	16	0	0	0	2	10	3	1	0	0	0	0	0	0	33
02:00	11	0	0	1	0	6	3	1	0	0	0	0	0	0	33
03:00	25	0	0	0	2	7	10	6	0	0	0	0	0	0	36
04:00	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
05:00	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
06:00	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
07:00	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
08:00	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
09:00	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
10:00	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
11:00	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
12:PM	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
01:00	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
02:00	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
03:00	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
04:00	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
05:00	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
06:00	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
07:00	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
08:00	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
09:00	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
10:00	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
11:00	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Daily Totals	71	0	0	1	6	33	21	10	0	0	0	0	0	0	34

Percent of Total      0.0    0.0    1.4    8.5    46.5    29.6    14.1    0.0    0.0    0.0    0.0    0.0    0.0    0.0    0.0

Percentile Speeds      10%    15%    50%    85%    90%  
 30.2    30.6    34.4    40.0    41.5

10 MPH Pace Speed : 30 - 40

Number in pace : 54

% in pace : 76.1

Speed Exceeded : 45 MPH    55 MPH    65 MPH  
 Percentage : 0.0    0.0    0.0  
 Totals : 0    0    0