

## **Mancha, Stephanie TRAN:EX**

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**From:** Sielecki, Leonard E TRAN:EX  
**Sent:** Thursday, October 20, 2011 2:37 PM  
**To:** Mancha, Stephanie TRAN:EX  
**Subject:** Follow-up - RE: Follow-up - RE: Request: WARS data Hwy 29N

Hello Stephanie:

Sorry for the delay. I have been discussing the matter with Jerry. There does not appear to be a policy on the installation of regular sized wildlife warning signs. However, there is direction on the installation of large wildlife warning signs (i.e. W-063-1xxx Series type).

I am just looking for a copy of the document for you. I hope to have it to you by the end of the day.



Warning\_Signs  
pdf.pdf

Len

---

**From:** Mancha, Stephanie TRAN:EX  
**Sent:** Thursday, October 20, 2011 1:03 PM  
**To:** Sielecki, Leonard E TRAN:EX  
**Subject:** RE: Follow-up - RE: Request: WARS data Hwy 29N

Hi Len

Had you heard back anything on this yet?

Thanks again!!

Stephanie Mancha  
(250) 787-3339 (ph)

---

**From:** Sielecki, Leonard E TRAN:EX  
**Sent:** Tuesday, October 11, 2011 9:49 AM  
**To:** Kitson, Mel A TRAN:EX; Mancha, Stephanie TRAN:EX  
**Subject:** Follow-up - RE: Request: WARS data Hwy 29N

Hello Stephanie:

I need to get Jerry Froese, Senior Traffic Engineer, to confirm the process, and get back to you.

Len

---

**From:** Kitson, Mel A TRAN:EX

**Sent:** Tuesday, October 11, 2011 8:08 AM  
**To:** Mancha, Stephanie TRAN:EX  
**Cc:** Sielecki, Leonard E TRAN:EX  
**Subject:** RE: Request: WARS data Hwy 29N

Hi Stephanie:

Sorry, I can't help you Stephanie - I see you cc'd Len on this query. I'm sure he will respond to you.  
Mel

---

**From:** Mancha, Stephanie TRAN:EX  
**Sent:** Wednesday, October 5, 2011 8:39 AM  
**To:** Kitson, Mel A TRAN:EX  
**Cc:** Sielecki, Leonard E TRAN:EX  
**Subject:** RE: Request: WARS data Hwy 29N

Hi Mel

Len sent me the data I needed yesterday. Thank you!

However, I was wondering how a site is identified for an animal crossing warning sign? I know a couple summers ago, we installed new signage across our district at the direction of HQ. Would you know about that by any chance?

Thanks again,

Stephanie Mancha  
(250) 787-3339 (ph)

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**From:** Kitson, Mel A TRAN:EX  
**Sent:** Wednesday, October 5, 2011 8:36 AM  
**To:** Mancha, Stephanie TRAN:EX  
**Cc:** Sielecki, Leonard E TRAN:EX  
**Subject:** RE: Request: WARS data Hwy 29N

Hi Stephanie:

Are you looking at a specific location on Hwy 29N (LKI) and what timeframe?  
Mel

---

**From:** Mancha, Stephanie TRAN:EX  
**Sent:** Tuesday, October 4, 2011 1:14 PM  
**To:** Kitson, Mel A TRAN:EX  
**Cc:** Hogg, Nicola TRAN:EX  
**Subject:** Request: WARS data Hwy 29N

Hi Mel

Would there be any possibility of obtaining the WARS data from Service Area 22 for Hwy 29N? There has been an inquiry from the public about a high-traffic moose crossing and we are looking at the possibility of signage.

Can you let me know when you have a moment?

Thank you so much!

***Stephanie Mancha***

District Operations Technician

Ministry of Transportation & Infrastructure

Fort St. John

250 787-3339 (office)

250 787-3279 (fax)

[Stephanie.Mancha@gov.bc.ca](mailto:Stephanie.Mancha@gov.bc.ca)

District Highways Managers  
Regional Traffic Engineers  
Regional Environmental Coordinators

July 10, 2001  
Engineering Branch  
4B 940 Blanshard Street  
PO Box 9850 Stn Prov Govt  
Victoria BC V8W 9T5  
Telephone: 250 387-1264  
Facsimile: 250 356-7798  
File: 70300-50

***Re: Wildlife Warning Signs***

The purpose of this memorandum is to clarify the policy on the use of wildlife warning signs on provincial highways.

**1. Background on Application of Warning Signs in General**

Highway Warning Signs are considered traffic control devices in the Motor Vehicle Act and sign colour and shape are specified in the Regulations.

Warning Signs are used to inform the motorist of potential hazards on the roadway ahead. To affect required change in motorists behavior, Warning Signs are required, based on legal and engineering principles, to:

- Be sufficiently specific to identify the hazard which the road authority wishes to warn users of the highways,
- Be intelligible to motorists and clearly convey the nature of the existing danger,
- Be sufficient distance from the hazard to permit motorists to prepare for its existence and make changes to their manner of driving , but not so far away as to be rendered ineffective.

The yellow Warning Sign, particularly when used in the diamond shape, is implicit in its meaning to the motorist to "watch for potential hazard and take required action."

**2. Sign Types**

Standard yellow warning signs are used to warn motorists of the potential hazards that may be encountered by the presence of large ungulate animals on the road. The Manual

of Standard Traffic Signs & Pavement Markings outlines the general warrant for the application of the W-63 (moose) and W-64 (deer) sign. Other animals may be signed for as described in #3. These signs are diamond-shaped and may be used with a distance tab indicating the number of kilometers that wildlife may be expected.

In areas where the incidence of wildlife collisions is higher than normal, the Regional Traffic Engineer may approve an oversize sign (Z-41xxx, 244 x 120cm). This sign may only be used under the following circumstances:

- Wildlife kill rate of 10 per km/yr over a 3 year period based on the W.A.R.S. database or other valid data sources (minimum length of 1 km is used to calculate rate)

or

- Special conditions, such as a short or long term congregation of wildlife on, or near the highway, that pose an obvious hazard despite a lack of accident data. Typically, wildlife should be present at one spot or on a short segment of highway for several days over a week long period, suggesting a consistent expectation of their presence. The MoT Regional Environmental staff or wildlife specialist will be responsible for assessing this condition. Repeated, but seasonal conditions, may warrant "fold-up" signs and short duration. One-time conditions may warrant 'temporary' warning signs (black/orange) on temporary mounts.

The general format of Z-41xxx Wildlife Warning Signs is shown on attached "Z-41" sign record. This record may be customized to suit the specific site conditions. Normally the distance specified on the sign should be a maximum of 3 km. If the wildlife warning segment is greater than 3 km, the sign should be repeated every 3 km after the second sign.

The Z-49 "**HIGH IMPACT AREA....WATCH FOR WILDLIFE**" sign is NOT an approved Ministry Warning Sign and is only erected under permit and paid for by ICBC. Further use of these signs should be discouraged.

The Z-23 "**SUGGESTED NIGHT SPEED XX km/h**" sign was cancelled several years ago and should be removed from all provincial highways.

### 3. Types of Animals Covered by Wildlife Warning Signs

Wildlife warning signs are restricted to ungulate category of animals such as:

- moose
- deer
- big horn sheep
- mountain goats
- caribou
- elk
- bison

because they are somewhat predictable in their migration patterns, they linger on or near the road, and they are large enough to constitute a hazard to the motorists.

Warning signs will not be installed to warn of bears as they tend to cross the road randomly. Also, warning signs will not be used for domesticated animals (except cattle, see W-44& W-45).

Additionally, warning signs are not used for small animals that do not pose a hazard to the motorist, particularly for species that “dart” across the road (i.e., a hazard means the driver must react; such as stopping, slowing or evasive manoeuvres).

### 4. Wildlife Warning Sign Messages

The Level 3 wildlife warning signs should be in the general format as shown on the attached Z-41a record. The diamond outline with relevant animal graphic is placed on the left side of the sign with a short text message on the right side of the sign. The text should supplement the graphic and is used to clarify the nature of the potential hazard to the driver.

A simple message such as “**CAUTION / MOOSE NEXT X km**” should be used to clearly and briefly inform the motorist of the possible hazard.

Messages such as “**HIGH COLLISION AREA**” etc. are NOT acceptable Warning Sign messages. Use of this language on highway signs fails to adequately inform the motorist as to action they are required to take. It also may imply that the Ministry is aware of an unacceptable or dangerous situation and requires program or policy initiative to correct the problem.

District Highways Managers  
Regional Traffic Engineers  
Regional Environmental Coordinators  
Re: Wildlife Warning Signs

Page 4

5. Approvals

Oversize Z-41xxx signs must be approved by the Regional Traffic Engineer.

I trust this clarifies the Ministry's policy on this issue. Please feel free to contact Robert Cheng (356-7189) or Glen Roberts (387-7675) if you have any questions on this issue

Robert Cheng  
A/ Sr. Traffic Engineer

RC:cja  
Enclosure

Copies:  
M. Kent, Chief Environmental Officer  
L. Selekj, Environmental Issues Analyst  
M. Smith, Provincial Sign Designer

**Mancha, Stephanie TRAN:EX**

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**From:** Mancha, Stephanie TRAN:EX  
**Sent:** Thursday, November 24, 2011 11:39 AM  
**To:** 'jakew@yrb.ca'  
**Cc:** Hogg, Nicola TRAN:EX; XT:DBC MC Norm.yrb TRAN:IN  
**Subject:** Request: Install Moose Warning signs

Hi Jake

As discussed, please install two standard Moose Warning signs on either side of the 279 Rd on Hwy 29.

Please place the costs under the QP.

Thank you very much!

***Stephanie Mancha***

District Operations Technician  
Ministry of Transportation & Infrastructure  
Fort St. John  
250 787-3339 (office)  
250 787-3279 (fax)  
[Stephanie.Mancha@gov.bc.ca](mailto:Stephanie.Mancha@gov.bc.ca)

## Mancha, Stephanie TRAN:EX

**From:** Schien, Norman TRAN:EX  
**Sent:** Thursday, November 24, 2011 10:56 AM  
**To:** Mancha, Stephanie TRAN:EX  
**Subject:** RE: Question: Wildlife Warning signs

Stephanie,

From the info given I am ok with a wildlife sign either side of this location.

W-317, truck turning sign criteria is written up on page 3.29 in the Manual of Standard Traffic Signs and Pavements Markings, BC MoT. The signs are generally used at rural intersections where truck traffic in and out of an access or road is fairly heavy at times and may be unexpected. And, where sight distance may be a concern. They are not generally used in lower speed zone urban environments.

Norm

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**From:** Mancha, Stephanie TRAN:EX  
**Sent:** Thursday, November 24, 2011 8:55 AM  
**To:** Schien, Norman TRAN:EX  
**Subject:** RE: Question: Wildlife Warning signs

Hi Norm

I spoke to YRB, as they have more local knowledge in that area than I or anyone in our department at this time. There have been three animal kills in that specific location over the past few years, 2 deer and one moose. There is a clump of trees there that have not been removed, as it is a swampy area. I believe there have been more near-misses than actual accidents there. I can also go out and take some pictures at the site if that would be more helpful for you. I was hoping you could make a recommendation on some signage there.

Also, I was wondering what the specification are for a trucks turning sign? I couldn't locate it in the warning signs in the standard traffic signs manual. Is it a supplementary sign?

Thanks again,

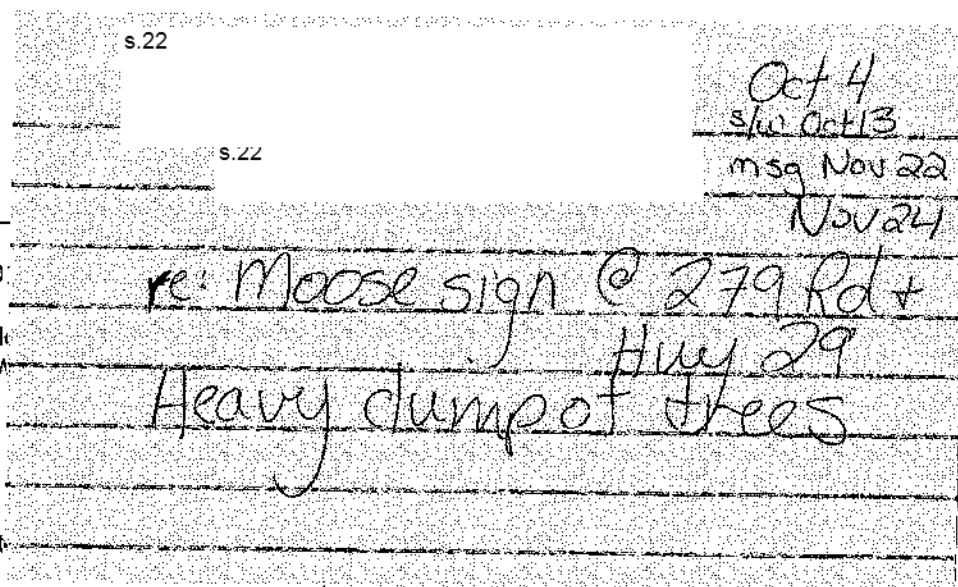
Stephanie Mancha  
(250) 787-3339 (ph)

---

**From:** Schien, Norman TRAN:EX  
**Sent:** Tuesday, November 22, 2011 10:56 AM  
**To:** Mancha, Stephanie TRAN:EX  
**Cc:** Froese, Jerry F TRAN:EX; Siel  
**Subject:** RE: Question: Wildlife Warning signs

Hi Stephanie,

Sorry for the late reply, I am still t



The criteria for use of wildlife signs in our manual is rather vague. We have always gone with several wildlife collisions in about a 1 km section, or local knowledge of wildlife frequenting an area and physical features of the Highway that pose a higher risk of drivers not seeing the wildlife (ravines, roadside brush, high fill slopes, etc.).

From what I understand of the biology moose are more predictable than deer in their movements, for feeding, migration, etc.

Check with one of the "old" area managers and/or one of the staff from the maintenance contractor on their knowledge of the site. Would the location have had a sign years ago.....see the old video logs on line...they go back into the eighties.

Or, give me a call to discuss.

Norm

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**From:** Mancha, Stephanie TRAN:EX  
**Sent:** Tuesday, November 22, 2011 8:24 AM  
**To:** Schien, Norman TRAN:EX  
**Subject:** RE: Question: Wildlife Warning signs

Hi Norm

I was wondering if you had had a chance to review the below regarding a request for installation of wildlife warning signs?

Can you let me know when you have a moment?

Thanks very much!

Stephanie Mancha  
(250) 787-3339 (ph)

---

**From:** Mancha, Stephanie TRAN:EX  
**Sent:** Thursday, October 20, 2011 5:14 PM  
**To:** Schien, Norman TRAN:EX  
**Subject:** Question: Wildlife Warning signs

Hi Norm

I was hoping that you might be able to shed some light or provide some direction on the process or requirements for installing wildlife crossing warning signs. Is it purely the accident data we look at? Or are there other factors?

This request is sparked by a member of the public who is concerned about the number of near-misses and a few accidents due to wildlife at the intersection of the 279 Rd and Hwy 29.

Please let me know if you need any more information.

Thank you so much!

Stephanie Mancha  
(250) 787-3339 (ph)

---

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Thank you so much!

***Stephanie Mancha***

District Operations Technician

Ministry of Transportation & Infrastructure

Fort St. John

250 787-3339 (office)

250 787-3279 (fax)

Stephanie.Mancha@gov.bc.ca

## Mancha, Stephanie TRAN:EX

---

**From:** Sielecki, Leonard E TRAN:EX  
**Sent:** Tuesday, October 4, 2011 4:04 PM  
**To:** Mancha, Stephanie TRAN:EX  
**Subject:** Follow-up - RE: Request: WARS data Hwy 29N



WARS Data -  
Highway 29 - All R.

Hello Stephanie:

Please find attached an Excel spreadsheet for all WARS data for Highway 29 for the period 2001 to 2010 for all LKI Segments.

Len

---

**From:** Mancha, Stephanie TRAN:EX  
**Sent:** Tuesday, October 4, 2011 1:16 PM  
**To:** Sielecki, Leonard E TRAN:EX  
**Subject:** FW: Request: WARS data Hwy 29N

Hi Len

Seeing as Mel is away, could you help me with the below request at all?

Thank you!

Stephanie Mancha  
(250) 787-3339 (ph)

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**From:** Mancha, Stephanie TRAN:EX  
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**To:** Kitson, Mel A TRAN:EX  
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## LKI Segment 1181 - HH to Hwy 97

YEAR	DISTRICT	HIGHWAY	SEGMENT	KILOMETER	SPECIES	QUANTITY
2005	8	29	1170	1.41	DEER	1
2002	8	29	1180	12.52	DEER	1
2002	8	29	1180	12.52	MOOSE	1
2002	8	29	1181	21	DEER	1
2002	8	29	1181	11	DEER	1
2002	8	29	1181	11	DEER	1
2002	8	29	1181	16	PORCUPINE	1
2002	8	29	1181	39	DEER	1
2002	8	29	1181	37	DEER	1
2002	8	29	1181	24	DEER	1
2002	8	29	1181	54	MOOSE	1
2002	8	29	1181	48.87	DEER	1
2002	8	29	1181	58.06	DEER	1
2002	8	29	1181	36	DEER	1
2002	8	29	1181	11.5	DEER	1
2002	8	29	1181	26	DEER	1
2002	8	29	1181	54.7	DEER	1
2002	8	29	1181	46.8	DEER	1
2002	8	29	1181	72.5	DEER	1
2002	8	29	1181	37	MOOSE	1
2002	8	29	1181	40	MOOSE	1
2002	7	29	1181	27	DEER	1
2002	7	29	1181	27	DEER	1
2002	8	29	1181	42	PORCUPINE	1
2003	8	29	1181	39	DEER	1
2003	8	29	1181	6	DEER	1
2003	8	29	1181	42	DEER	1
2003	8	29	1181	31	MOOSE	1
2003	8	29	1181	32	DEER	1
2003	8	29	1181	3	DEER	1
2003	8	29	1181	25	DEER	1
2003	8	29	1181	18.5	DEER	1
2003	8	29	1181		DEER	1
2003	8	29	1181	38	DEER	1
2003	8	29	1181	39	DEER	1
2003	8	29	1181	3	DEER	1
2003	8	29	1181	24	DEER	1
2003	8	29	1181	22	DEER	1
2003	8	29	1181	30	DEER	1
2003	8	29	1181	26	DEER	1
2003	8	29	1181	8	DEER	1
2003	8	29	1181	21	DEER	1
2003	8	29	1181	17	DEER	1

2003	8	29	1181	39	DEER	1
2003	8	29	1181	29	DEER	1
2003	8	29	1181	28	DEER	1
2003	8	29	1181	37	DEER	1
2003	8	29	1181	39	DEER	1
2003	8	29	1181	73.4	MOOSE	1
2004	8	29	1181	26	DEER	1
2004	8	29	1181	39	DEER	1
2004	8	29	1181	36	MOOSE	1
2004	8	29	1181	24	MOOSE	1
2004	8	29	1181	3.9	DEER	1
2004	8	29	1181	19.5	DEER	1
2004	8	29	1181	42	DEER	1
2004	8	29	1181	32	DEER	1
2004	8	29	1181	17.5	DEER	1
2004	8	29	1181	17.5	DEER	1
2004	8	29	1181	28	DEER	1
2004	8	29	1181	36.25	DEER	1
2004	8	29	1181	70.6	MOOSE	1
2005	10	29	1181	35	DEER	1
2005	8	29	1181	35	DEER	1
2005	8	29	1181	3	DEER	1
2005	8	29	1181	32	DEER	1
2005	8	29	1181	65.7	DEER	1
2005	8	29	1181	60.8	DEER	1
2005	8	29	1181	63	DEER	1
2005	8	29	1181	61.5	DEER	1
2005	8	29	1181	56	DEER	1
2005	8	29	1181	67.1	DEER	1
2005	8	29	1181	72.8	DEER	1
2005	8	29	1181	63.7	DEER	1
2006	8	29	1181	55.2	DEER	1
2006	8	29	1181	69.9	MOOSE	1
2006	8	29	1181	67.01	DEER	1
2006	8	29	1181	55.2	DEER	1
2006	8	29	1181	55.72	DEER	1
2006	8	29	1181	53.23	DEER	1
2006	8	29	1181	47.01	DEER	1
2006	8	29	1181	67.1	DEER	1
2007	8	29	1181		DEER	1
2007	8	29	1181		MOOSE	1
2007	8	29	1181	65.45	DEER	1
2007	8	29	1181	73.6	DEER	1
2007	8	29	1181	65.9	DEER	1
2008	8	29	1181	73.6	MOOSE	2
2008	8	29	1181		DEER	1
2008	8	29	1181		MOOSE	1

2009	8	29	1181	66.11	DEER	1
2009	8	29	1181	69.69	DEER	1
2009	8	29	1181	39.9	DEER	1
2009	8	29	1181	5.2	DEER	1
2009	8	29	1181	1.14	DEER	1
2009	8	29	1181	10.41	DEER	1
2009	8	29	1181	0	DEER	1
2009	8	29	1181	3	DEER	1
2009	8	29	1181	14.3	DEER	1
2010	8	29	1181	59.11	MOOSE	1
2009	8	29	1181	54.9	ELK	1
2010	8	29	1181	54.79	DEER	1
2010	8	29	1181	54.8	DEER	1
2010	8	29	1181	71.23	MOOSE	1
2010	8	29	1181	0.5	DEER	1
2010	8	29	1181	5	DEER	1
2010	8	29	1181	5	DEER	1
2010	8	29	1181	3	DEER	1
2010	8	29	1181	0.5	DEER	1
2010	8	29	1181	4	DEER	1
2010	8	29	1181	8	MOOSE	1
2010	8	29	1181	0.5	DEER	1
2010	8	29	1181	6.5	DEER	1
2010	8	29	1181	5.5	DEER	1
2010	8	29	1181	0.1	MOOSE	1
2010	8	29	1181	3	DEER	1
2010	8	29	1181	0	DEER	1
2010	8	29	1181	4	DEER	1
2010	8	29	1181	1.5	DEER	1
2010	8	29	1181	1.5	DEER	1
2010	8	29	1181	2	DEER	1
2010	8	29	1181	0.5	DEER	1
2010	8	29	1181	1.3	DEER	1
2010	8	29	1181	3	DEER	1
2010	8	29	1181	3.9	MOOSE	1
2010	8	29	1181	1	DEER	1
2010	8	29	1181	0.5	DEER	1
2010	8	29	1181	2.5	ELK	1
2010	8	29	1181	10.2	DEER	1
2010	8	29	1181	2.5	DEER	1
2010	8	29	1181	2	DEER	1
2010	8	29	1181	54.6	DEER	1
2010	8	29	1181	53.2	DEER	1
2010	8	29	1181	65.7	DEER	1
2010	8	29	1181	2	DEER	1
2010	8	29	1181	3	DEER	1
2010	8	29	1181	1	DEER	1

2010	8	29	1181	2	DEER	1
2010	8	29	1181	0.1	DEER	1
2010	8	29	1181	1	DEER	1
2010	8	29	1181	67	DEER	1
2010	8	29	1181	67.1	MOOSE	1
2010	8	29	1181	3.5	DEER	1
2010	8	29	1181	5.6	DEER	1
2010	8	29	1181	1.4	DEER	1
2010	8	29	1181	2	DEER	1
2010	8	29	1181	0.5	BEAR	1
2010	8	29	1181	4	DEER	1
2010	8	29	1181	0.3	DEER	1
2010	8	29	1181	2.3	DEER	1
2010	8	29	1181	1.6	DEER	1
2010	8	29	1181	8.7	DEER	1
2010	8	29	1181	2.3	DEER	1
2010	8	29	1181	2.5	DEER	1
2010	8	29	1181	0.3	DEER	1
2010	8	29	1181	1.5	DEER	1
2010	8	29	1181	6.2	DEER	1
2010	8	29	1181	49.1	DEER	1
2010	10	29	1181	0.1	DEER	1
2010	10	29	1181	0.5	DEER	1
2010	10	29	1181	1.5	DEER	1
2010	8	29	1184	7.5	DEER	1
2001	8	29	1185	66	DEER	1
2003	5	29			BEAR	1
2004	2	29			DEER	1
2004	2	29			DEER	1
2006	8	29			DEER	1
2006	8	29			DEER	1
2006	8	29			DEER	1
2006	8	29			DEER	1
2006	8	29			DEER	1
2006	8	29			DEER	1
2006	8	29			DEER	1
2006	8	29			DEER	1
2006	8	29			DEER	1
2006	8	29		2	DEER	1
2006	8	29		4	DEER	1
2006	8	29		1	DEER	1
2006	8	29		1	DEER	1
2006	8	29		4	DEER	1
2006	8	29		1.5	DEER	1
2006	8	29		4.5	DEER	1
2006	8	29		5	DEER	1
2006	8	29		3	DEER	1

2006	8	29	4	DEER	1
2006	8	29	7	DEER	1
2005	8	29		DEER	1
2005	8	29		DEER	1
2006	8	29	4	DEER	1
2006	8	29		DEER	1
2006	8	29	1.5	MOOSE	1
2006	8	29	3	ELK	1
2006	8	29	2	DEER	1
2006	8	29	1	DEER	1
2006	8	29		DEER	1
2006	8	29	4	DEER	1
2006	8	29	4.5	DEER	1
2006	8	29	2	MOOSE	1
2006	8	29	6	DEER	1
2006	8	29	1	MOOSE	1
2006	8	29	1	MOOSE	1
2006	8	29	3	DEER	1
2006	8	29	2	MOOSE	1
2006	8	29	1	DEER	1
2007	8	29	1.5	MOOSE	1
2007	8	29	1	DEER	1
2007	8	29	4	DEER	1
2007	8	29	6	DEER	1
2007	8	29	3	DEER	1
2007	8	29	5	DEER	1
2007	8	29		DEER	1
2007	8	29	7	ELK	1

## **Mancha, Stephanie TRAN:EX**

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**From:** Mancha, Stephanie TRAN:EX  
**Sent:** Tuesday, November 22, 2011 9:24 AM  
**To:** Schien, Norman TRAN:EX  
**Subject:** RE: Question: Wildlife Warning signs

Hi Norm

I was wondering if you had had a chance to review the below regarding a request for installation of wildlife warning signs?

Can you let me know when you have a moment?

Thanks very much!

Stephanie Mancha  
(250) 787-3339 (ph)

---

**From:** Mancha, Stephanie TRAN:EX  
**Sent:** Thursday, October 20, 2011 5:14 PM  
**To:** Schien, Norman TRAN:EX  
**Subject:** Question: Wildlife Warning signs

Hi Norm

I was hoping that you might be able to shed some light or provide some direction on the process or requirements for installing wildlife crossing warning signs. Is it purely the accident data we look at? Or are there other factors?

This request is sparked by a member of the public who is concerned about the number of near-misses and a few accidents due to wildlife at the intersection of the 279 Rd and Hwy 29.

Please let me know if you need any more information.

Thank you so much!

Stephanie Mancha  
(250) 787-3339 (ph)

---

**From:** Sielecki, Leonard E TRAN:EX  
**Sent:** Thursday, October 20, 2011 1:37 PM  
**To:** Mancha, Stephanie TRAN:EX  
**Subject:** Follow-up - RE: Follow-up - RE: Request: WARS data Hwy 29N

Hello Stephanie:

Sorry for the delay. I have been discussing the matter with Jerry. There does not appear to be a policy on the installation of regular sized wildlife warning signs. However, there is direction on the installation of large wildlife warning signs (i.e. W-063-1xxx Series type).

I am just looking for a copy of the document for you. I hope to have it to you by the end of the day.

Len

---

**From:** Mancha, Stephanie TRAN:EX  
**Sent:** Thursday, October 20, 2011 1:03 PM  
**To:** Sielecki, Leonard E TRAN:EX  
**Subject:** RE: Follow-up - RE: Request: WARS data Hwy 29N

Hi Len

Had you heard back anything on this yet?

Thanks again!!

Stephanie Mancha  
(250) 787-3339 (ph)

---

**From:** Sielecki, Leonard E TRAN:EX  
**Sent:** Tuesday, October 11, 2011 9:49 AM  
**To:** Kitson, Mel A TRAN:EX; Mancha, Stephanie TRAN:EX  
**Subject:** Follow-up - RE: Request: WARS data Hwy 29N

Hello Stephanie:

I need to get Jerry Froese, Senior Traffic Engineer, to confirm the process, and get back to you.

Len

---

**From:** Kitson, Mel A TRAN:EX  
**Sent:** Tuesday, October 11, 2011 8:08 AM  
**To:** Mancha, Stephanie TRAN:EX  
**Cc:** Sielecki, Leonard E TRAN:EX  
**Subject:** RE: Request: WARS data Hwy 29N

Hi Stephanie:

Sorry, I can't help you Stephanie - I see you cc'd Len on this query. I'm sure he will respond to you.  
Mel

---

**From:** Mancha, Stephanie TRAN:EX  
**Sent:** Wednesday, October 5, 2011 8:39 AM  
**To:** Kitson, Mel A TRAN:EX  
**Cc:** Sielecki, Leonard E TRAN:EX  
**Subject:** RE: Request: WARS data Hwy 29N

Hi Mel

Len sent me the data I needed yesterday. Thank you!

However, I was wondering how a site is identified for an animal crossing warning sign? I know a couple summers ago, we installed new signage across our district at the direction of HQ. Would you know about that by any chance?

Thanks again,

**Stephanie Mancha**  
(250) 787-3339 (ph)

---

**From:** Kitson, Mel A TRAN:EX  
**Sent:** Wednesday, October 5, 2011 8:36 AM  
**To:** Mancha, Stephanie TRAN:EX  
**Cc:** Sielecki, Leonard E TRAN:EX  
**Subject:** RE: Request: WARS data Hwy 29N

Hi Stephanie:

Are you looking at a specific location on Hwy 29N (LKI) and what timeframe?  
Mel

---

**From:** Mancha, Stephanie TRAN:EX  
**Sent:** Tuesday, October 4, 2011 1:14 PM  
**To:** Kitson, Mel A TRAN:EX  
**Cc:** Hogg, Nicola TRAN:EX  
**Subject:** Request: WARS data Hwy 29N

Hi Mel

Would there be any possibility of obtaining the WARS data from Service Area 22 for Hwy 29N? There has been an inquiry from the public about a high-traffic moose crossing and we are looking at the possibility of signage.

Can you let me know when you have a moment?

Thank you so much!

***Stephanie Mancha***  
District Operations Technician  
Ministry of Transportation & Infrastructure  
Fort St. John  
250 787-3339 (office)  
250 787-3279 (fax)  
[Stephanie.Mancha@gov.bc.ca](mailto:Stephanie.Mancha@gov.bc.ca)

## **Mancha, Stephanie TRAN:EX**

---

**From:** Mancha, Stephanie TRAN:EX  
**Sent:** Thursday, October 20, 2011 4:14 PM  
**To:** Schien, Norman TRAN:EX  
**Subject:** Question: Wildlife Warning signs

Hi Norm

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(250) 787-3339 (ph)

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Thanks again!!

Stephanie Mancha  
(250) 787-3339 (ph)

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**From:** Sielecki, Leonard E TRAN:EX

**Sent:** Tuesday, October 11, 2011 9:49 AM  
**To:** Kitson, Mel A TRAN:EX; Mancha, Stephanie TRAN:EX  
**Subject:** Follow-up - RE: Request: WARS data Hwy 29N

Hello Stephanie:

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Len

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**Sent:** Tuesday, October 11, 2011 8:08 AM  
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**Cc:** Sielecki, Leonard E TRAN:EX  
**Subject:** RE: Request: WARS data Hwy 29N

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**Sent:** Wednesday, October 5, 2011 8:39 AM  
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**Cc:** Sielecki, Leonard E TRAN:EX  
**Subject:** RE: Request: WARS data Hwy 29N

Hi Mel

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However, I was wondering how a site is identified for an animal crossing warning sign? I know a couple summers ago, we installed new signage across our district at the direction of HQ. Would you know about that by any chance?

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(250) 787-3339 (ph)

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**From:** Kitson, Mel A TRAN:EX  
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Mel

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**From:** Mancha, Stephanie TRAN:EX  
**Sent:** Tuesday, October 4, 2011 1:14 PM  
**To:** Kitson, Mel A TRAN:EX  
**Cc:** Hogg, Nicola TRAN:EX  
**Subject:** Request: WARS data Hwy 29N

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Can you let me know when you have a moment?

Thank you so much!

***Stephanie Mancha***  
District Operations Technician  
Ministry of Transportation & Infrastructure  
Fort St. John  
250 787-3339 (office)  
250 787-3279 (fax)  
[Stephanie.Mancha@gov.bc.ca](mailto:Stephanie.Mancha@gov.bc.ca)

## **Mancha, Stephanie TRAN:EX**

---

**From:** Mancha, Stephanie TRAN:EX  
**Sent:** Tuesday, October 4, 2011 1:16 PM  
**To:** Sielecki, Leonard E TRAN:EX  
**Subject:** FW: Request: WARS data Hwy 29N

Hi Len

Seeing as Mel is away, could you help me with the below request at all?

Thank you!

Stephanie Mancha  
(250) 787-3339 (ph)

---

**From:** Mancha, Stephanie TRAN:EX  
**Sent:** Tuesday, October 4, 2011 1:14 PM  
**To:** Kitson, Mel A TRAN:EX  
**Cc:** Hogg, Nicola TRAN:EX  
**Subject:** Request: WARS data Hwy 29N

Hi Mel

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Can you let me know when you have a moment?

Thank you so much!

***Stephanie Mancha***

District Operations Technician  
Ministry of Transportation & Infrastructure  
Fort St. John  
250 787-3339 (office)  
250 787-3279 (fax)  
[Stephanie.Mancha@gov.bc.ca](mailto:Stephanie.Mancha@gov.bc.ca)

2	Work Reporting #	Service Area	Manager Area	Subarea	Start Date	End Date	Activity	Quantity	Highway/ Block #	Structure #	Site #	Landmark #	Start Offset	End Offset	Task #		Quant Activity	Activity Sum
Year 6 2009-2010																		
W	488113	22	A	H	100212	100212	440P	2000	0029N			1680	5856	5856	0			
W	491537	22	A	J	100226	100226	440M	1000	0029N			1750	547	547	0			
W	491538	22	A	J	100226	100226	440P	1000	0029N			1750	1403	1403	0			
W	499284	22	A	J	100401	100401	440M	1000	0029N			1750	1855	1855	0			
W	499285	22	A	H	100401	100401	440M	1000	0029N			1720	6867	6867	0			
W	499456	22	A	H	100401	100401	440M	1000	0029N			1765	106	106	0			
W	499457	22	A	H	100401	100401	440M	1000	0029N			1765	119	119	0			
W	499458	22	A	H	100401	100401	440M	1000	0029N			1765	132	132	0			
W	499286	22	A	H	100401	100401	440P	1000	0029N			1762	1780	1780	0			
W	499337	22	A	J	100401	100401	440P	3000	0029N			1769	86	86	0			
W	499460	22	A	H	100401	100401	440P	2000	0029N			1765	50	50	0			
W	502087	22	A	H	100121	100121	440P	2000	0029N			1720	6670	6670	0			
W	500189	22	A	J	100413	100413	440P	1000	0029N			1756	1207	1207	0			
W	501386	22	A	H	100420	100420	440P	1000	0029N			1762	490	490	0			
Year 7 2010-2011																		
W	580940	22	A	H	110408	110408	440P	1000	0029N			1640	1	1	0			
W	580972	22	A	J	110309	110309	440P	1000	0029N			1740	93	93	0			
W	580973	22	A	J	110309	110309	440P	1000	0029N			1740	175	175	0			
W	520779	22	A	J	100816	100816	440M	1000	0029N			1758	1029	1029	0			
W	520771	22	A	J	100816	100816	440P	1000	0029N			1758	1029	1029	0			
W	546261	22	A	J	101214	101214	440M	1000	0029N			1771	32	32	0			
W	546262	22	A	J	101214	101214	440M	1000	0029N			1771	37	37	0			
W	514001	22	A	J	100610	100610	440P	1000	0029N			1758	183	183	0			
W	529718	22	A	J	101022	101022	440P	1000	0029N			1769	350	350	0			
W	530044	22	A	H	101101	101101	440K	2000	0029N			1720	3050	3050	0			
W	532873	22	A	J	101104	101104	440M	1000	0029N			1740	151	151	0			
Year 8 2011-2012																		
W	652780	22	A	J	120301	120301	440M	1000	0029N			1771	35	35	0			
W	656563	22	A	J	120509	120509	440M	1000	0029N			1756	1315	1315	0			
W	656564	22	A	J	120509	120509	440M	1000	0029N			1756	4546	4546	0			
W	656565	22	A	J	120509	120509	440P	1000	0029N			1756	3010	3010	0			
W	601880	22	A	H	110831	110831	440M	1000	0029N			1762	1090	1090	0			
W	601881	22	A	H	110831	110831	440M	1000	0029N			1762	1633	1633	0			
W	601882	22	A	H	110831	110831	440M	1000	0029N			1762	1780	1780	0			
W	601883	22	A	H	110831	110831	440M	1000	0029N			1762	1785	1785	0			
W	602896	22	A	H	110902	110902	440M	1000	0029N			1762	1804	1804	0			
W	602897	22	A	H	110902	110902	440M	1000	0029N			1765	0	0	0			
W	600695	22	A	H	110824	110824	440P	1000	0029N			1762	1595	1595	0			
W	600697	22	A	H	110824	110824	440P	1000	0029N			1762	1533	1533	0			
W	600698	22	A	H	110824	110824	440P	2000	0029N			1762	1433	1433	0			
W	600699	22	A	H	110824	110824	440P	2000	0029N			1762	1050	1050	0			
W	600700	22	A	H	110824	110824	440P	1000	0029N			1762	0	0	0			
W	629929	22	A	H	111221	111221	440N	1000	0029N			0	0	0	0			
W	629930	22	A	H	111221	111221	440N	1000	0029N			0	0	0	0			
W	629931	22	A	H	111221	111221	440P	2000	0029N			0	0	0	0			
W	594696	22	A	H	110628	110628	440M	1000	0029N			1762	0	0	0			
W	594697	22	A	H	110628	110628	440M	1000	0029N			1680	5901	5901	0			
W	594698	22	A	H	110628	110628	440M	1000	0029N			1775	4350	4350	0			
W	587006	22	A	J	110601	110601	440R	1000	0029N			1768	1016	1016	0			
W	619507	22	A	J	111206	111206	440M	1000	0029N			0	0	0	0			
W	619511	22	A	J	111208	111208	440M	1000	0029N			0	0	0	0			
W	619513	22	A	J	111208	111208	440M	1000	0029N			0	0	0	0			
W	619515	22	A	J	111208	111208	440M	1000	0029N			0	0	0	0			
W	603048	22	A	H	110913	110913	440M	1000	0029N			1751	764	764	0			
W	603049	22	A	H	110913	110913	440M	1000	0029N			1751	1136	1136	0			
Year 9 2012-2013																		
W	698969	22	A	H	121218	121218	440M	1000	0029N			1680	171	171	0			
W	711737	22	A	J	130122	130122	440M	1000	0029N			1771	36	36	0			
W	711726	22	A	H	130116	130116	440P	1000	0029N			1765	1	1	0			
W	730028	22	A	H	130417	130417	440P	2000	0029N			1640	50	50	0			
W	730035	22	A	H	130417	130417	440P	1000	0029N			1640	385	385	0			
W0	733252																	

W0	733254	22	A	H	130522	130522	440P	1000	0029N	1720	4894	4894	0
W0	733255	22	A	H	130522	130522	440P	1000	0029N	1765	5958	5958	0

2

Year 11 2014-2015

W0	733252	22	A	H	130522	130522	440M	1000	0029N	1720	4894	4894	0
W0	733253	22	A	H	130522	130522	440M	1000	0029N	1720	5925	5925	0
W0	733254	22	A	H	130522	130522	440P	1000	0029N	1720	4894	4894	0
W0	733255	22	A	H	130522	130522	440P	1000	0029N	1765	5958	5958	0
W	738661	22	A	H	130620	130620	440M	1000	0029N	1770	3947	3947	0
W	738662	22	A	H	130620	130620	440P	2000	0029N	1650	4268	4268	0
W	740329	22	A	H	130704	130704	440N	1000	0029N	1775	100	100	0
W	744313	22	A	H	130724	130724	440K	2000	0029N	1720	7981	7999	0
W	744433	22	A	H	130801	130801	440M	1000	0029N	1680	993	993	0
W	744488	22	A	J	130801	130801	440M	1000	0029N	1761	1900	1900	0
W	744489	22	A	J	130801	130801	440M	1000	0029N	1756	5755	5755	0
W	744490	22	A	J	130801	130801	440M	1000	0029N	1756	1743	1743	0
W	750889	22	A	J	130912	130912	440M	1000	0029N	1756	3782	3782	0
W	773555	22	A	J	131213	131213	440M	1000	0029N	1756	5374	5374	0
W	790613	22	A	J	140228	140228	440M	1000	0029N	1771	205	205	0
W	790599	22	A	H	140205	140205	440P	1000	0029N	1765	58	58	0
W	790602	22	A	J	140205	140205	440P	1000	0029N	1763	1252	1252	0
W	790614	22	A	J	140205	140205	440Q	1000	0029N	1761	3178	3178	0
W	799174	22	A	J	140403	140403	440M	1000	0029N	1756	4405	4405	0
W	799175	22	A	J	140403	140403	440M	1000	0029N	1756	4205	4205	0
W	799176	22	A	J	140403	140403	440M	1000	0029N	1769	414	414	0
W	799166	22	A	H	140402	140402	440P	2000	0029N	1650	2695	2695	0
W	799167	22	A	H	140402	140402	440P	1000	0029N	1775	101	101	0
W	799169	22	A	H	140402	140402	440P	1000	0029N	1775	3741	3741	0
W	800446	22	A	J	140416	140416	440M	1000	0029N	1761	2788	2788	0
W	800447	22	A	J	140416	140416	440M	1000	0029N	1766	89	89	0
W	800456	22	A	J	140416	140416	440P	1000	0029N	1761	1074	1074	0
W	800457	22	A	J	140416	140416	440P	1000	0029N	1761	2788	2788	0
W	802143	22	A	H	140501	140501	440M	1000	0029N	1767	986	986	0
W	802144	22	A	H	140501	140501	440M	1000	0029N	1762	1527	1527	0
W	803951	22	A	H	140520	140520	440M	1000	0029N	1720	1088	1088	0
W	803952	22	A	H	140520	140520	440M	1000	0029N	1720	54	54	0
	W0809464	22	A	J	140626	140626	440M	1000	0029N	1750	5180	5180	0
	W0809465	22	A	J	140626	140626	440M	1000	0029N	1750	4686	4686	0
	W0809466	22	A	J	140626	140626	440M	1000	0029N	1755	985	985	0
	W0809467	22	A	J	140626	140626	440M	1000	0029N	1761	2973	2973	0
	W0814044	22	A	J	140724	140724	440M	1000	0029N	1756	1215	1215	0
	W0814045	22	A	J	140724	140724	440M	1000	0029N	1755	50	50	0
W	814861	22	A	J	140805	140805	440M	1000	0029N	1761	1248	1248	0
W	814862	22	A	J	140805	140805	440M	1000	0029N	1761	1263	1263	0
W	865572	22	A	J	150416	150416	440Q	1000	0029N	1756	1683	1683	0
W	869006	22	A	J	150511	150511	440M	1000	0029N	1755	629	629	0
W	869007	22	A	J	150512	150512	440M	1000	0029N	1766	92	92	0
W	869602	22	A	J	150519	150519	440M	1000	0029N	1769	343	343	0
W	869603	22	A	J	150519	150519	440M	1000	0029N	1768	0	0	0

Year 12 2015-2016

W	869006	22	A	J	150511	150511	440M	1000	0029N	1755	629	629	0
W	869007	22	A	J	150512	150512	440M	1000	0029N	1766	92	92	0
W	869602	22	A	J	150519	150519	440M	1000	0029N	1769	343	343	0
W	869603	22	A	J	150519	150519	440M	1000	0029N	1768	0	0	0
W	872566	22	A	J	150601	150601	440P	1000	0029N	1756	544	544	0
W	873391	22	A	H	150616	150616	440M	1000	0029N	1762	1352	1352	0
W	873392	22	A	H	150616	150616	440M	1000	0029N	1645	0	0	0
W	873393	22	A	H	150616	150616	440N	1000	0029N	1640	927	927	0
W	874769	22	A	H	150630	150630	440M	1000	0029N	1765	25	25	0
W	874778	22	A	J	150629	150629	440M	1000	0029N	1756	1835	1835	0
W	874770	22	A	H	150630	150630	440P	1000	0029N	1762	1621	1621	0
W	884842	22	A	H	150922	150922	440M	1000	0029N	1720	4862	4862	0
W	884843	22	A	H	150922	150922	440M	1000	0029N	1680	5945	5945	0
W	884844	22	A	H	150922	150922	440M	1000	0029N	1680	4588	4588	0
W	884845	22	A	H	150922	150922	440M	1000	0029N	1650	2164	2164	0
W	884924	22	A	J	150924	150924	440M	1000	0029N	1751	1229	1229	0
W	884846	22	A	H	150922	150922	440P	2000	0029N	1680	5981	5981	0
W	884847	22	A	H	150922	150922	440P	2000	0029N	1720	0	0	0
W	890794	22	A	J	151102	151102	440M	1000	0029N	1750	570	570	0

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W	896109	22	A	J	151130	151130	440M	1000	0029N	1771	24	24	0
W	904999	22	A	H	151214	151214	440M	1000	0029N	1720	4890	4890	0
W	905018	22	A	J	151209	151209	440M	1000	0029N	1771	24	24	0
W	905019	22	A	J	151209	151209	440M	1000	0029N	1771	37	37	0
W	904997	22	A	H	151203	151203	440P	1000	0029N	1650	4222	4222	0
W	904998	22	A	H	151203	151203	440P	1000	0029N	1650	3644	3644	0