

<b>SHEET 10</b> <b>LTPP TRAFFIC DATA</b>  <b>TRAFFIC VOLUME AND LOAD</b> <b>ESTIMATE UPDATE-NO SITE COUNT</b>	*STATE ASSIGNED ID	[ _ _ _ ]
	*STATE CODE	[ 90 ]
	*SHRP SECTION ID	[ 6400 ]

## 1. ANNUAL TRAFFIC ESTIMATES

*YEAR	ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	ESTIMATED TOTAL TRUCK AADT (TWO-WAY)	ESTIMATED TOTAL VEHICLES AADT LTPP LANE	*ESTIMATED TOTAL TRUCKS AADT LTPP LANE	*ESTIMATED ESAL=S/YR LTPP LANE (1000'S)
<u>2007</u>	<u>855</u>	<u>119</u>	<u>427</u>	<u>60</u>	<u>70</u>

## 2. METHOD FOR ESTIMATING TOTAL VEHICLE AADT (TWO-WAY)

- ☒ Growth factored last year=s estimate. (6)  
☐ Estimated based on volume counts at nearby locations. (3)  
☐ Used computerized network analyses. (4)  
☐ Factored a single count taken this year at the LTPP site. (1)  
☐ Average multiple counts taken this year at the LTPP site. (2)  
☐ Average and factored multiple count taken this year at the LTPP site. (5)  
☐ Used flow maps. (7)  
☐ Other: (8) \_\_\_\_\_

## 3. METHOD FOR ESTIMATING TOTAL TRUCK AADT (TWO-WAY)

- ☐ Used system averages from counts taken this year. (6)  
☐ Used count data from nearby sites. (3)  
☐ Used count data from previous years at the LTPP site. (7)  
☒ Used system averages from previous years. (8)  
☐ Used computerized network analyses. (4)  
☐ Used a single count taken this year at the LTPP site. (5)  
☐ Factored a single count taken this year at the LTPP site. (1)  
☐ Averaged multiple counts taken this year at the LTPP site. (2)  
☐ Other: (9) \_\_\_\_\_

## 4. METHOD FOR ESTIMATING TOTAL VEHICLES LTPP LANE AADT

- ☐ System distribution factors. (2)  
☐ Based on actual lane count data. (1)  
☒ Other: (3) Growth factor

## \*5. METHOD FOR ESTIMATING TOTAL TRUCKS, LTPP LANE, AADT

- ☐ System distribution factors. (2)  
☐ Based on actual lane data count. (1)  
☒ Other: (3) Growth Factor

## \*6. METHOD FOR ESTIMATING ESAL/YEAR IN LTPP LANE

- ☒ ESAL/Truck factor (1)  
☐ ESAL/Vehicle class. (2) (No. of classes)  
☐ ESAL/Axle(3) Sing. \_\_\_\_\_ Tand. \_\_\_\_\_ Tri. \_\_\_\_\_  
☐ Other: (4) \_\_\_\_\_

## 7. ESAL ESTIMATES - SOURCE OF DATA

- ☐ Weight data collected at LTPP site prior years. (2)  
☐ Weight data from system averages this year. (3)  
☒ Weight data from system averages prior years. (4)  
☐ Weight data from historic W-4 Tables used. (5)  
☐ Other: (6) \_\_\_\_\_

## 8. WEIGHT SCALE TYPE

- ☐ WIM scale. (1)  
☐ Static scale used for enforcement. (2)  
☒ Static scale not used for enforcement. (3)  
☐ Other: (4) \_\_\_\_\_

NAME OF PREPARER Abid Ikram.DATE PREPARED OCT 13/09

PHONE# \_\_\_\_\_

rev. March 12, 2001

**SHEET 13**  
**TRAFFIC DATA FILES**  
**TRANSMITTAL FORM**

STATE  
STATE CODE

C906400 White Wood North  
90

FILENAME	START DATE mm/dd/yy	START TIME hh:mm	END DATE mm/dd/yy	END TIME hh:mm	CLASS. SCHEME
<u>C906400.C27</u>	<u>01/01/07</u>	<u>00:00</u>	<u>01/31/07</u>	<u>23:00</u>	<u>FHWA</u>
<u>ok</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>C906400.D27</u>	<u>02/01/07</u>	<u>00:00</u>	<u>02/28/07</u>	<u>23:00</u>	<u>FHWA</u>
<u>ok</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>C906400.E27</u>	<u>03/01/07</u>	<u>00:00</u>	<u>03/31/07</u>	<u>23:00</u>	<u>FHWA</u>
<u>ok</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>C906400.F27</u>	<u>04/01/07</u>	<u>00:00</u>	<u>04/30/07</u>	<u>23:00</u>	<u>FHWA</u>
<u>ok</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>C906400.G27</u>	<u>05/01/07</u>	<u>00:00</u>	<u>05/31/07</u>	<u>23:00</u>	<u>FHWA</u>
<u>ok</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>C906400.H27</u>	<u>06/01/07</u>	<u>00:00</u>	<u>06/30/07</u>	<u>23:00</u>	<u>FHWA</u>
<u>ok</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>C906400.I27</u>	<u>07/01/07</u>	<u>00:00</u>	<u>07/31/07</u>	<u>23:00</u>	<u>FHWA</u>
<u>ok</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>C906400.J27</u>	<u>08/01/07</u>	<u>00:00</u>	<u>08/31/07</u>	<u>23:00</u>	<u>FHWA</u>
<u>ok</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

NAME OF PREPARER  
DATE PREPARED

Braden Hud  
02/02/09

PHONE NO.

787-3171

STATE  
STATE CODE

C906400 Whitelock North  
90

NAME OF PREPARER Braden Huel PHONE NO. 7873171  
DATE PREPARED 02/02/09

PHONE NO. 707 3171

DATE REC. 7-1-09  
JOB # 174552257  
FILE #

BA

**TRANSMITTAL**  
**SASKATCHEWAN HIGHWAYS AND TRANSPORTATION**

Engineering Standards Branch  
240 Henderson Drive  
Regina, Saskatchewan, CANADA S4N 5P7  
FAX: (306) 787-4836

June 16, 2009

To: Basel Abukhater, LTPP NCR Traffic & Materials Manager.  
Stantec Consulting  
Suite 108, 150 Lawrence Drive  
Amherst, New York, USA.  
14221 - 7805  
Phone: (716) 632-0804  
Fax: (716) 632-4808

Our File: 1240.50

From: Dennis Klimochko, Regina  
Phone: (306) 787-1382

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RE: <sup>2007</sup> SASK. (90) SHRP LTPP 2006 Traffic Data : January 1 – December 31, 2007

Attached, for your information and use, are the following

- A CD containing the above-mentioned SHRP LTPP traffic data.
- A four (4) page memo from T. Anderson to D. Klimochko explaining the traffic information.
- Nine (9) pages of Sheet 13 (Traffic Data Files Transmittal Forms) containing Saskatchewan's (SHRP State Code 90) LTPP Traffic Data for the above-mentioned period.

Please note there is no need to return the CD. Thank you.

Thank you.

  
Dennis Klimochko  
Phone (306) 787-1382



## **Memorandum**

**From** Tom Anderson  
Sr. Traffic Engineer  
Programs and Services

**Date** April 17, 2009

**Phone** 787 8334

**To** Dennis Klimochko  
Sr. Materials Engineer  
Preservation and Surfacing

**Our File** LTPP

**Re** **LTPP Data 07-01-01 to 07-12-31**

You will find enclosed a compact disk containing data from all of the LTPP test sites for the period January 1, 2007 to December 31, 2007 for submission to Stantec Consultants Inc. Please note that Stantec should not return the CD to us.

I have included LTPP sheet 13 for all the data files submitted to date for 2007 and a data file summary below in this memo. No equipment changes were done in 2007 although repairs were conducted to keep the sites operational. No formal WIM calibrations beyond normal remote tuning of the piezo cards to keep sensor voltages within the operational range of the hardware were conducted during 2007.

The vehicle classification data collected for sites <sup>Similar Site</sup> 6400 & 6801 north of Whitewood and 6420 south of Whitewood is length vehicle classification (LVC) data only. The sensor arrays at these sites have deteriorated to the point that only length classifications are possible. The length bracket scheme adopted by Saskatchewan was accepted by LTPP following our provision of a report detailing the scheme. LTPP indicated that the LVC data should be submitted for inclusion in the database.

6410 The WIM site located on Highway No. 11 at Grasswood was abandoned in fall 2006 at the request of the City of Saskatoon to make room for a roadside facility. As a result no WIM data for the Grasswood site is included in this submission.

6900 The WIM site located on Highway No. 16 at Radisson was abandoned in the spring of 2007. The site was in very poor condition and had been producing quite low quality data. Since the LTPP program was ending and a suitable replacement site wasn't available in the area, the decision was made to decommission.

All the weather stations in Saskatchewan were decommissioned in spring 2006 after no response was received to our request for direction from LTPP about maintaining the stations.

As detailed in previous submissions, Saskatchewan Highways adopted an upgraded algorithm set for all AVC and WIM stations effective January 2004. The data generated by the new algorithms was approved for inclusion in the LTPP database after review of an algorithm report.

The operating software for the International Road Dynamics (IRD) equipment used in Saskatchewan generates data beyond column 51 in the data files. This data can be deleted to make the data files acceptable to the LTPP database.

Details of the data files on the CD are listed below:

<u>Location</u>	<u>File number</u>	<u>From</u>	<u>To</u>	<u>Comments</u>
Whitewood North				
	C906400.C27 ✓	01-01-07	01-31-07	FHWA
	C906801.C27 ✓	01-01-07	01-31-07	FHWA
	C906400.D27 ✓	02-01-07	02-28-07	FHWA
	C906801.D27 ✓	02-01-07	02-28-07	FHWA
	C906400.E27 ✓	03-01-07	03-31-07	FHWA
	C906801.E27 ✓	03-01-07	03-31-07	FHWA
	C906400.F27 ✓	04-01-07	04-30-07	FHWA
	C906801.F27 ✓	04-01-07	04-30-07	FHWA
	C906400.G27 ✓	05-01-07	05-31-07	FHWA
	C906801.G27 ✓	05-01-07	05-31-07	FHWA
	C906400.H27 ✓	06-01-07	06-30-07	FHWA
	C906801.H27 ✓	06-01-07	06-30-07	FHWA
	C906400.I27 ✓	07-01-07	07-31-07	FHWA
	C906801.I27 ✓	07-01-07	07-31-07	FHWA
	C906400.J27 ✓	08-01-07	08-31-07	FHWA
	C906801.J27 ✓	08-01-07	08-31-07	FHWA
	C906400.K27 ✓	09-01-07	09-30-07	FHWA
	C906801.K27 ✓	09-01-07	09-30-07	FHWA
	C906400.L27 ✓	10-01-07	10-31-07	FHWA
	C906801.L27 ✓	10-01-07	10-31-07	FHWA
	C906400.M27 ✓	11-01-07	11-30-07	FHWA
	C906801.M27 ✓	11-01-07	11-30-07	FHWA

C906400.N27 ✓	12-01-07	12-31-07	FHWA
C906801.N27 ✓	12-01-07	12-31-07	FHWA

Whitewood South

C906420.C27 ✓	01-01-07	01-31-07	FHWA
C906420.D27 ✓	02-01-07	02-28-07	FHWA
Missing data	02-26-07 hr 9	02-28-07 hr 23	Bad data
C906420.E27 ✓	03-01-07	03-31-07	FHWA
Missing data	03-01-07 hr 0	03-05-07 hr 10	equipment shut down
C906420.F27 ✓	04-01-07	04-30-07	FHWA
C906420.G27 ✓	05-01-07	05-31-07	FHWA
C906420.H27 ✓	06-01-07	06-31-07	FHWA
C906420.I27 ✓	07-01-07	07-31-07	FHWA
C906420.J27 ✓	08-01-07	08-31-07	FHWA
C906420.K27 ✓	09-01-07	09-30-07	FHWA
C906420.L27 ✓	10-01-07	10-31-07	FHWA
C906420.M27 ✓	11-01-07	11-30-07	FHWA
C906420.N27 ✓	12-01-07	12-31-07	FHWA

Plunkett

C906405.C27 ✓	01-01-07	01-31-07	FHWA
C906405.D27 ✓	02-01-07	02-28-07	FHWA
C906405.E27 ✓	03-01-07	03-31-07	FHWA
C906405.F27 ✓	04-01-07	04-30-07	FHWA
C906405.G27 ✓	05-01-07	05-31-07	FHWA
C906405.H27 ✓	06-01-07	06-30-07	FHWA
C906405.I27 ✓	07-01-07	07-31-07	FHWA
Missing data	07-16-07 hr 8	07-24-07 hr 15	Equipment shutdown
C906405.J27 ✓	08-01-07	07-31-07	FHWA
C906405.K27 ✓	09-01-07	09-30-07	FHWA

Dennis Klimochko  
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C906405.M27 ✓	11-01-07	11-30-07	FHWA
C906405.N27 ✓	12-01-07	12-31-07	FHWA

Radisson

Decommissioned effective January 1, 2007

Should you have any questions about this data submission I am available to discuss.



Tom Anderson,  
Sr. Traffic Engineer

TMA/tma  
ATTACHMENT

H:\LTPP\LTPP 2007.doc