

RECEIVED NOV 07 1991

<p align="center">SHEET 1</p> <p align="center">LTPP TRAFFIC DATA</p> <p align="center">SUMMARY TRANSMITTAL FORM</p>	*STATE ASSIGNED ID [0601]
	*STATE CODE [40]
	*SHRP SECTION ID [4163]

GPS 2

STATE OR PROVINCE OK COUNTY Blaine

HIGHWAY ROUTE NO. US270 MILEPOST# 270-06-02 / 11.4

NEAREST CITY/TOWN Waltona NEAREST INTERSECTION 45270/45281

FUNCTIONAL CLASS 02 NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4

DIRECTION OF TRAVEL GPS LANE WB DATE OPENED TO TRAF. 04 - 87

FIPS COUNTY CODE _____ FHWA STATION IDENTIFICATION NO. _____

HPMS SAMPLE NO. _____ HPMS SUBDIVISION NO. _____

TYPE OF PAVEMENT: AC ☒ PCC _____ OTHER _____

CONTROL OF ACCESS: YES ☒ NO _____ MEDIAN: YES ☒ NO _____

CURRENT SURROUNDING DEVELOPMENT:
 URBAN _____ SUBURBAN _____ RURAL ☒

HAS INTENSITY OF ROADSIDE DEVELOPMENT INCREASED OVER PAST 10 YEARS?
 YES _____ NO _____
 IF YES, DESCRIBE CHANGES _____

NOTE: ATTACH ALL RELATED FORMS AND COUNT DATA AND SUBMIT TO THE SHRP REGIONAL OFFICE. ATTACH MAP INDICATING THE LOCATION OF EACH TRAFFIC COUNT, VEHICLE CLASSIFICATION COUNT, OR WEIGHT STATION RELATIVE TO THIS GPS TEST SECTION.

NAME OF PREPARER <u>DJ Kenneth Beard</u>	PHONE # <u>405 521-2575</u>
DATE PREPARED <u>Oct 1991</u>	

SHEET 2 LTPP TRAFFIC DATA TRAFFIC VOLUMES AND LOAD ESTIMATES	*STATE ASSIGNED ID [_ _ _ _] *STATE CODE [40] *SHRP SECTION ID [4163]
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YEAR	1. ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	2. ESTIMATED TOTAL TRUCK AADT (TWO-WAY)	3. ESTIMATED TOTAL VEHICLES AADT GPS LANE	4. ESTIMATED TOTAL TRUCKS AADT GPS LANE	5. ESTIMATED ESAL'S / YR GPS LANE (1000's)
1989	4300	989	1800	432	335
*1988	4200	966	1758	422	327
1987	4200	966	1758	422	327
*1986	4100	943	1716	412	319
1985	4000	920	1674	402	312
*1984	4000	920	1674	402	312
1983	3900	897	1633	392	304
*1982	4200	966	1758	422	327
1981	5000	1150	2093	502	390
*1980	4200	989	1800	432	335
1979	4100	943	1716	412	319
*1978	4000	920	1674	402	312
1977	3900	897	1633	392	304
1976	3700	851	1549	372	288
1975	3800	874	1591	382	296
1974	3900	897	1633	392	304
1973	3200	736	1340	321	249
1972	3400	782	1423	342	265
1971	3200	736	1340	321	249
1970	3200	736	1340	321	249
1969	3300	759	1381	332	257
1968	2700	621	1130	271	210
1967	2700	621	1130	271	210
1966					
1965					

NAME OF PREPARER _____	PHONE # _____
DATE PREPARED _____	

SHEET 3

LTPP TRAFFIC DATA PROCEDURES FOR ESTIMATING ANNUAL AVERAGE VOLUMES AND TOTAL ANNUAL ESALS

*STATE ASSIGNED ID [_ _ _ _]

*STATE CODE [_ _]

*SHRP SECTION ID [_ _ _ _]

1. Year Applicable 89

2. METHOD FOR ESTIMATING AADT

- ☐ Factored a single count taken this year at the GPS site.
☐ Averaged multiple counts taken this year at the GPS site.
☐ Averaged and factored multiple counts taken this year at the GPS site.
☐ Growth factored last year's estimate.
☒ Estimated based on volume counts at nearby locations.
☐ Used flow maps.
☐ Used computerized network analyses.
☐ Other: _____

3. METHOD FOR ESTIMATING TRUCK VOLUMES OR PERCENTAGES

- ☒ Used a single count taken this year at the GPS site.
☐ Factored a single count taken this year at the GPS site.
☐ Averaged multiple counts taken this year at the GPS site.
☐ Used system averages from counts taken this year.
☐ Used count data from nearby sites.
☐ Used count data taken in earlier years at the GPS site.
☐ Used system averages taken in earlier years at the GPS site.
☐ Used computerized network analyses.
☐ Other: _____

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☒ Based on actual lane count data.
☐ System distribution factors.
☐ Other: _____

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☒ Based on actual lane count data.
☐ System distribution factors.
☐ Other: _____

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.
☒ ESAL/Vehicle class. (no. of classes) 6
☐ Other: _____

1368
100
332

7. ESAL ESTIMATES

(A) Source of Data

- ☐ Weight data collected at GPS site this year.
☐ Weight data collected at GPS site prior years.
☐ Weight data from system averages this year.
☐ Weight data from system averages prior years.
☐ Weight data from historic W-4 Tables used.
☐ Other: MAX LEGAL WEIGHT

(B) Weight Scale Type

- ☐ WIM scale.
☐ Static scale used for enforcement.
☐ Static scale not used for enforcement.
☐ Other: _____

NAME OF PREPARER _____

PHONE # _____

DATE PREPARED _____

LTPP TRAFFIC DATA PROCEDURES FOR ESTIMATING ANNUAL AVERAGE VOLUMES AND TOTAL ANNUAL ESALS

*STATE ASSIGNED ID [_ _ _ _]

*STATE CODE [40]

*SHRP SECTION ID [41603]

1. Year (s) Applicable 67-88

2. METHOD FOR ESTIMATING AADT

- ☐ Factored a single count taken this year at the GPS site.
- ☐ Averaged multiple counts taken this year at the GPS site.
- ☐ Averaged and factored multiple counts taken this year at the GPS site.
- ☐ Growth factored last year's estimate.
- ☒ Estimated based on volume counts at nearby locations.
- ☐ Used flow maps.
- ☐ Used computerized network analyses.
- ☐ Other: _____

3. METHOD FOR ESTIMATING TRUCK VOLUMES OR PERCENTAGES

- ☐ Used a single count taken this year at the GPS site.
- ☐ Factored a single count taken this year at the GPS site.
- ☐ Averaged multiple counts taken this year at the GPS site.
- ☐ Used system averages from counts taken this year.
- ☐ Used count data from nearby sites.
- ☐ Used count data taken in earlier years at the GPS site.
- ☐ Used system averages taken in earlier years at the GPS site.
- ☐ Used computerized network analyses.
- ☒ Other: Backcalc from 89 data

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.
- ☐ System distribution factors.
- ☒ Other: Backcalc from 89 data

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.
- ☐ System distribution factors.
- ☒ Other: Backcalc from 89 data

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.
- ☐ ESAL/Vehicle class. (no. of classes)
- ☒ Other: Backcalc from 89 data

7. ESAL ESTIMATES

(A) Source of Data

- ☐ Weight data collected at GPS site this year.
- ☐ Weight data collected at GPS site prior years.
- ☐ Weight data from system averages this year.
- ☐ Weight data from system averages prior years.
- ☐ Weight data from historic W-4 Tables used.
- ☒ Other: Backcalc from 89 data

(B) Weight Scale Type

- ☐ WIM scale.
- ☐ Static scale used for enforcement.
- ☐ Static scale not used for enforcement.
- ☒ Other: None

NAME OF PREPARER MP

PHONE # _____

DATE PREPARED 4/9/92

SHEET 5 LTPP TRAFFIC DATA VEHICLE CLASSIFICATION DATA FHWA 13-CLASS SYSTEM	*STATE ASSIGNED ID [<u>0601</u>] *STATE CODE [<u> </u>] *SHRP SECTION ID [<u>4163</u>]
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HIGHWAY RT. NO. (THIS COUNT) 45270 MILEPOST# (THIS COUNT) 11.9

LOCATION (THIS COUNT) GPS SITE FUNCTIONAL CLASS 02
 BEGINNING DATE 8-6-91 10P-6A ENDING DATE 8-7-91 2P-10P
 BEGINNING TIME 10 PM ENDING TIME 10 PM DURATION (HRS) 24

TYPE OF COUNT: MANUAL ☒ AUTOMATED ☐ NO. OF LANES COUNTED

TYPE OF EQUIP.: AVC PERM. ☐ AVC PORT. ☐ WIM PERM. ☐ WIM PORT. ☐

EQUIPMENT NAME / MODEL # VISUAL

TOTAL NO. OF VEHICLES CLASSIFIED 2933 # TRUCKS 662 % TRUCKS 22.6 %

NO. OF TRUCKS IN GPS LANE 335 % OF TRUCKS IN GPS LANE 50.6 %

VEHICLE CLASSIFICATION METHOD: FHWA ☐ OTHER ☐ # BINS

NOTE: IF THIS COUNT DOES NOT USE THE FHWA 13-BIN CLASSIFICATION SYSTEM USE SHEET 6. PLEASE DESCRIBE ON AN ATTACHED PAGE THE VEHICLE CLASSIFICATION SYSTEM USED BY THE AGENCY AND COMPLETE SHEET 7 DESCRIBING HOW THE SHA WOULD EXPAND OR COLLAPSE THE USER CLASSIFICATION SYSTEM TO CORRESPOND WITH THE FHWA 13 CLASSES.

VEHICLE CLASSES	TOTAL NUMBER OF VEHICLES TWO-WAY	TOTAL NUMBER OF VEHICLES GPS DIRECTION	TOTAL NUMBER OF VEHICLES GPS LANE
1. FHWA CLASSES 1-3 (Cars, Motorcycles, Vans)	<u>2269</u>	<u>1264</u>	<u>995</u>
2. FHWA CLASS 4 (Buses)	<u>0</u>	<u>0</u>	<u>0</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	<u>98</u>	<u>70</u>	<u>63</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	<u>20</u>	<u>9</u>	<u>9</u>
5. FHWA CLASS 7 (4 or more Axle SU Truck)	<u>0</u>	<u>0</u>	<u>0</u>
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	<u>6</u>	<u>0</u>	<u>0</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	<u>535</u>	<u>287</u>	<u>262</u>
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	<u>3</u>	<u>1</u>	<u>1</u>
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr. Truck)	<u>0</u>	<u>0</u>	<u>0</u>
10. FHWA CLASS 12 (6 Axle, Multi-Trlr. Truck)	<u>0</u>	<u>0</u>	<u>0</u>
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr. Truck)	<u>0</u>	<u>0</u>	<u>0</u>
12. OTHER VEHICLES	<u>0</u>	<u>0</u>	<u>0</u>
GRAND TOTAL	<u>2933</u>	<u>1631</u>	<u>1393</u>

NAME OF PREPARER <u>DJ</u>	PHONE # <u> </u>
DATE PREPARED <u>11-1-91</u>	

SHEET 5 LTPP TRAFFIC DATA VEHICLE CLASSIFICATION DATA FHWA 13-CLASS SYSTEM	*STATE ASSIGNED ID [_____] *STATE CODE [<u>40</u>] *SHRP SECTION ID [<u>4163</u>]
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HIGHWAY RT. NO. (THIS COUNT) SH-33 MILEPOST# (THIS COUNT) _____

LOCATION (THIS COUNT) _____ FUNCTIONAL CLASS _____

BEGINNING DATE 8/6/90 ENDING DATE 8/7/90

BEGINNING TIME 10:00pm ENDING TIME 6:00am DURATION (HRS) 8

TYPE OF COUNT: MANUAL ☒ AUTOMATED _____ NO. OF LANES COUNTED 4

TYPE OF EQUIP.: AVC PERM. _____ AVC PORT. _____ WIM PERM. _____ WIM PORT. _____

EQUIPMENT NAME / MODEL # N/A

TOTAL NO. OF VEHICLES CLASSIFIED 365 # TRUCKS 114 % TRUCKS 31

NO. OF TRUCKS IN GPS LANE 50 % OF TRUCKS IN GPS LANE 44

VEHICLE CLASSIFICATION METHOD: FHWA _____ OTHER _____ # BINS _____

NOTE: IF THIS COUNT DOES NOT USE THE FHWA 13-BIN CLASSIFICATION SYSTEM USE SHEET 6. PLEASE DESCRIBE ON AN ATTACHED PAGE THE VEHICLE CLASSIFICATION SYSTEM USED BY THE AGENCY AND COMPLETE SHEET 7 DESCRIBING HOW THE SHA WOULD EXPAND OR COLLAPSE THE USER CLASSIFICATION SYSTEM TO CORRESPOND WITH THE FHWA 13 CLASSES.

VEHICLE CLASSES	TOTAL NUMBER OF VEHICLES TWO-WAY	TOTAL NUMBER OF VEHICLES GPS DIRECTION	TOTAL NUMBER OF VEHICLES GPS LANE
1. FHWA CLASSES 1-3 (Cars, Motorcycles, Vans)	<u>251</u>	<u>138</u>	<u>85</u>
2. FHWA CLASS 4 (Buses)	<u>0</u>	<u>0</u>	<u>0</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	<u>0</u>	<u>0</u>	<u>0</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	<u>0</u>	<u>0</u>	<u>0</u>
5. FHWA CLASS 7 (4 or more Axle SU Truck)	<u>0</u>	<u>0</u>	<u>0</u>
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	<u>2</u>	<u>1</u>	<u>1</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	<u>112</u>	<u>54</u>	<u>49</u>
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	<u>0</u>	<u>0</u>	<u>0</u>
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	<u>0</u>	<u>0</u>	<u>0</u>
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	<u>0</u>	<u>0</u>	<u>0</u>
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	<u>0</u>	<u>0</u>	<u>0</u>
12. OTHER VEHICLES	<u>0</u>	<u>0</u>	<u>0</u>
GRAND TOTAL	<u>365</u>	<u>193</u>	<u>135</u>

NAME OF PREPARER _____ PHONE # _____
 DATE PREPARED _____

SHEET 5

LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA
FHWA 13-CLASS SYSTEM

*STATE ASSIGNED ID [_____]

*STATE CODE [40]*SHRP SECTION ID [4163]HIGHWAY RT. NO. (THIS COUNT) SH-33

MILEPOST# (THIS COUNT) _____

LOCATION (THIS COUNT) _____

FUNCTIONAL CLASS _____

BEGINNING DATE 8/7/90ENDING DATE 8/7/90BEGINNING TIME 2:00 pmENDING TIME 10:00 pmDURATION (HRS) 8TYPE OF COUNT: MANUAL ☒

AUTOMATED _____

NO. OF LANES COUNTED 4

TYPE OF EQUIP.: AVC PERM. _____

AVC PORT. _____

WIM PERM. _____

WIM PORT. _____

EQUIPMENT NAME / MODEL # N/ATOTAL NO. OF VEHICLES CLASSIFIED 1380# TRUCKS 278% TRUCKS 20NO. OF TRUCKS IN GPS LANE 134% OF TRUCKS IN GPS LANE 48

VEHICLE CLASSIFICATION METHOD: FHWA _____

OTHER _____

BINS _____

NOTE: IF THIS COUNT DOES NOT USE THE FHWA 13-BIN CLASSIFICATION SYSTEM USE SHEET 6. PLEASE DESCRIBE ON AN ATTACHED PAGE THE VEHICLE CLASSIFICATION SYSTEM USED BY THE AGENCY AND COMPLETE SHEET 7 DESCRIBING HOW THE SHA WOULD EXPAND OR COLLAPSE THE USER CLASSIFICATION SYSTEM TO CORRESPOND WITH THE FHWA 13 CLASSES.

VEHICLE CLASSES

	TOTAL NUMBER OF VEHICLES TWO-WAY	TOTAL NUMBER OF VEHICLES GPS DIRECTION	TOTAL NUMBER OF VEHICLES GPS LANE
1. FHWA CLASSES 1-3 (Cars, Motorcycles, Vans)	<u>1102</u>	<u>658</u>	<u>558</u>
2. FHWA CLASS 4 (Buses)	<u>0</u>	<u>0</u>	<u>0</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	<u>53</u>	<u>33</u>	<u>27</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	<u>12</u>	<u>4</u>	<u>4</u>
5. FHWA CLASS 7 (4 or more Axle SU Truck)	<u>0</u>	<u>0</u>	<u>0</u>
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	<u>5</u>	<u>0</u>	<u>0</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	<u>203</u>	<u>109</u>	<u>103</u>
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	<u>2</u>	<u>0</u>	<u>0</u>
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	<u>3</u>	<u>0</u>	<u>0</u>
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	<u>0</u>	<u>0</u>	<u>0</u>
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	<u>0</u>	<u>0</u>	<u>0</u>
12. OTHER VEHICLES	<u>0</u>	<u>0</u>	<u>0</u>
GRAND TOTAL	<u>1380</u>	<u>804</u>	<u>692</u>

NAME OF PREPARER _____

PHONE # _____

DATE PREPARED _____

SHEET 5

LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA
FHWA 13-CLASS SYSTEM

*STATE ASSIGNED ID [_____]

*STATE CODE [40]*SHRP SECTION ID [4163]HIGHWAY RT. NO. (THIS COUNT) SH-33

MILEPOST# (THIS COUNT) _____

LOCATION (THIS COUNT) _____

FUNCTIONAL CLASS _____

BEGINNING DATE 8/8/90ENDING DATE 8/8/90BEGINNING TIME 6:00 amENDING TIME 2:00 pmDURATION (HRS) 8TYPE OF COUNT: MANUAL ☒

AUTOMATED _____

NO. OF LANES COUNTED 4

TYPE OF EQUIP.: AVC PERM. _____

AVC PORT. _____

WIM PERM. _____

WIM PORT. _____

EQUIPMENT NAME / MODEL # N/ATOTAL NO. OF VEHICLES CLASSIFIED 1192# TRUCKS 275% TRUCKS 23NO. OF TRUCKS IN GPS LANE 152% OF TRUCKS IN GPS LANE 55

VEHICLE CLASSIFICATION METHOD: FHWA _____

OTHER _____

BINS _____

NOTE: IF THIS COUNT DOES NOT USE THE FHWA 13-BIN CLASSIFICATION SYSTEM USE SHEET 6. PLEASE DESCRIBE ON AN ATTACHED PAGE THE VEHICLE CLASSIFICATION SYSTEM USED BY THE AGENCY AND COMPLETE SHEET 7 DESCRIBING HOW THE SHA WOULD EXPAND OR COLLAPSE THE USER CLASSIFICATION SYSTEM TO CORRESPOND WITH THE FHWA 13 CLASSES.

VEHICLE CLASSES

TOTAL NUMBER
OF VEHICLES
TWO-WAYTOTAL NUMBER
OF VEHICLES
GPS DIRECTIONTOTAL NUMBER
OF VEHICLES
GPS LANE

1. FHWA CLASSES 1-3 (Cars, Motorcycles, Vans)	<u>917</u>	<u>468</u>	<u>415</u>
2. FHWA CLASS 4 (Buses)	<u>0</u>	<u>0</u>	<u>0</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	<u>45</u>	<u>37</u>	<u>36</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	<u>8</u>	<u>5</u>	<u>5</u>
5. FHWA CLASS 7 (4 or more Axle SU Truck)	<u>0</u>	<u>0</u>	<u>0</u>
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	<u>1</u>	<u>0</u>	<u>0</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	<u>217</u>	<u>123</u>	<u>109</u>
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	<u>1</u>	<u>1</u>	<u>1</u>
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	<u>0</u>	<u>0</u>	<u>0</u>
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	<u>3</u>	<u>1</u>	<u>1</u>
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	<u>0</u>	<u>0</u>	<u>0</u>
12. OTHER VEHICLES	<u>0</u>	<u>0</u>	<u>0</u>
GRAND TOTAL	<u>1192</u>	<u>635</u>	<u>567</u>

NAME OF PREPARER _____

PHONE # _____

DATE PREPARED _____