

RECEIVED NOV 07 1991

<p align="center"><b>SHEET 1</b></p> <p align="center"><b>LTPP TRAFFIC DATA</b></p> <p align="center"><b>SUMMARY TRANSMITTAL FORM</b></p>	<p>*STATE ASSIGNED ID <u>[4902]</u></p>
	<p>*STATE CODE <u>[40]</u></p>
	<p>*SHRP SECTION ID <u>[4157]</u></p>

GPS 3

STATE OR PROVINCE OK COUNTY Wagoner/Mayes Coline

HIGHWAY ROUTE NO. US69 MILEPOST# 69-73-08 / 8.34

NEAREST CITY/TOWN Mazie NEAREST INTERSECTION US412/US69

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

DIRECTION OF TRAVEL GPS LANE NB DATE OPENED TO TRAF. 03- -86

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>	

<b>SHEET 2</b>  <b>LTPP TRAFFIC DATA</b>  <b>TRAFFIC VOLUMES AND LOAD ESTIMATES</b>	*STATE ASSIGNED ID [ _ _ _ _ ]  *STATE CODE [ _ _ ]  *SHRP SECTION ID [ _ _ _ _ ]
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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	5100	2835	3000	1080	1476
*1988	8000	2800	2963	1067	1458
1987	7900	2765	2926	1053	1440
*1986	7800	2730	2889	1040	1421
1985	7700	2695	2852	1027	1403
*1984	7200	2520	2667	960	1312
1983	6900	2415	2556	920	1257
*1982	6800	2380	2519	907	1239
1981	6700	2345	2481	893	1221
*1980	6600	2310	2444	880	1203
1979	6900	2415	2556	920	1257
*1978	6500	2285	2407	867	1184
1977	6000	2100	2222	800	1093
1976	5500	1925	2037	733	1002
1975	6000	2100	2222	800	1093
1974	5100	1785	1889	680	929
1973	5100	1785	1889	680	929
1972	5200	1820	1926	693	948
1971	5000	1750	1852	667	911
1970	4900	1715	1815	653	893
1969	4900	1715	1815	653	893
1968	4700	1645	1741	627	856
1967	4600	1610	1704	613	838
1966	4400	1540	1630	587	802
1965	3700	1295	1370	493	674

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 189

**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: \_\_\_\_\_

1920  
100  
980

**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: \_\_\_\_\_

**(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 [ 4157 ]

1. Year (s) Applicable '65-88'

## 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 MFL

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

DATE PREPARED 4/9/92

<b>SHEET 5</b> <b>LTPP TRAFFIC DATA</b> <b>VEHICLE CLASSIFICATION DATA</b> <b>FHWA 13-CLASS SYSTEM</b>	*STATE ASSIGNED ID [ <u>4902</u> ] *STATE CODE [ <u>   </u> ] *SHRP SECTION ID [ <u>4157</u> ]
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HIGHWAY RT. NO. (THIS COUNT) US 69 MILEPOST# (THIS COUNT) 8.34

LOCATION (THIS COUNT) GPS SITE FUNCTIONAL CLASS 02

BEGINNING DATE 12-10-90 2p-10p ENDING DATE 12-12-90 6A-2p

BEGINNING TIME     ENDING TIME     DURATION (HRS) 16

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

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

EQUIPMENT NAME / MODEL # VISUAL

TOTAL NO. OF VEHICLES CLASSIFIED 5854 # TRUCKS 2088 % TRUCKS 35.7 %

NO. OF TRUCKS IN GPS LANE 925 % OF TRUCKS IN GPS LANE 36.4 %

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>3798</u>	<u>1869</u>	<u>11543</u>
2. FHWA CLASS 4 (Buses)	<u>5</u>	<u>4</u>	<u>4</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	<u>148</u>	<u>74</u>	<u>72</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	<u>21</u>	<u>14</u>	<u>12</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>8</u>	<u>4</u>	<u>4</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	<u>1877</u>	<u>819</u>	<u>832906</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>
<b>GRAND TOTAL</b>	<u>5854</u>	<u>2844</u>	<u>24672541</u>

NAME OF PREPARER DD PHONE #      
 DATE PREPARED 10-31-91

entered 10/12/2004  
 10/10/2004

MAP  
 10/12/2004

## VEHICLE CLASSIFICATION DATA FHWA 13-CLASS SYSTEM

\*SHRP SECTION ID [ 4 1 5 7 ]

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)	2755	1449	1431
2. FHWA CLASS 4 (Buses)	2	1	1
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	105	53	53
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	0	0	0
5. FHWA CLASS 7 (4 or more Axle SU Truck)	150	96	96
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	766	382	382
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	5	2	2
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	57	28	28
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	9	4	4
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	0	0	0
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	0	0	0
12. OTHER VEHICLES	3849	2015	2209
GRAND TOTAL			

NAME OF PREPARER \_\_\_\_\_ PHONE # \_\_\_\_\_  
DATE PREPARED \_\_\_\_\_

<b>SHEET 5</b> <b>LTPP TRAFFIC DATA</b> <b>VEHICLE CLASSIFICATION DATA</b> <b>FHWA 13-CLASS SYSTEM</b>	*STATE ASSIGNED ID [ _____ ] *STATE CODE [ <u>40</u> ] *SHRP SECTION ID [ <u>4157</u> ]
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 HIGHWAY RT. NO. (THIS COUNT) US-69 MILEPOST# (THIS COUNT) \_\_\_\_\_

 LOCATION (THIS COUNT) North of Wagoner FUNCTIONAL CLASS \_\_\_\_\_

 BEGINNING DATE 8/9/90 ENDING DATE 8/9/90

 BEGINNING TIME 6:00am ENDING TIME 2:00pm 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 3802 # TRUCKS 1047 % TRUCKS 28

 NO. OF TRUCKS IN GPS LANE 469 % OF TRUCKS IN GPS LANE 45

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>2755</u>	<u>1449</u>	<u>1226</u>
2. FHWA CLASS 4 (Buses)	<u>2</u>	<u>1</u>	<u>1</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	<u>105</u>	<u>53</u>	<u>43</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>107</u>	<u>53</u>	<u>51</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	<u>766</u>	<u>382</u>	<u>340</u>
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	<u>5</u>	<u>2</u>	<u>2</u>
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	<u>57</u>	<u>28</u>	<u>28</u>
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	<u>5</u>	<u>4</u>	<u>4</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>
<b>GRAND TOTAL</b>	<u>3802</u>	<u>1972</u>	<u>1695</u>

NAME OF PREPARER \_\_\_\_\_ PHONE # \_\_\_\_\_

DATE PREPARED \_\_\_\_\_

<b>SHEET 5</b>  <b>LTPP TRAFFIC DATA</b>  <b>VEHICLE CLASSIFICATION DATA</b> <b>FHWA 13-CLASS SYSTEM</b>	*STATE ASSIGNED ID [ _____ ]  *STATE CODE [ <u>40</u> ]  *SHRP SECTION ID [ <u>4157</u> ]
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HIGHWAY RT. NO. (THIS COUNT) US-69 MILEPOST# (THIS COUNT) \_\_\_\_\_

LOCATION (THIS COUNT) North of Waggoner FUNCTIONAL CLASS \_\_\_\_\_  
 BEGINNING DATE 7/29/90 ENDING DATE 7/30/90  
 BEGINNING TIME 10:00 pm ENDING TIME 6:00 am 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 1030 # TRUCKS 573 % TRUCKS 56

NO. OF TRUCKS IN GPS LANE 267 % OF TRUCKS IN GPS LANE 47

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>457</u>	<u>235</u>	<u>199</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>23</u>	<u>16</u>	<u>15</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>8</u>	<u>2</u>	<u>2</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	<u>488</u>	<u>254</u>	<u>234</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>49</u>	<u>20</u>	<u>16</u>
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	<u>5</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>
<b>GRAND TOTAL</b>	<u>1030</u>	<u>527</u>	<u>466</u>

NAME OF PREPARER _____	PHONE # _____
DATE PREPARED _____	