

SHEET 1
LTPP TRAFFIC DATA
SUMMARY TRANSMITTAL FORM

*STATE ASSIGNED ID [2]271
*STATE CODE [47]
*SHRP SECTION ID [2008]

59
8.28.95

STATE OR PROVINCE TENNESSEE COUNTY GIBSON
HIGHWAY ROUTE NO. SR-43 MILEPOST# N/A
NEAREST CITY/TOWN MILAN NEAREST INTERSECTION SR-187
FUNCTIONAL CLASS OZ NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4
DIRECTION OF TRAVEL GPS LANE NORTH DATE OPENED TO TRAF. 06/5/93
FIPS COUNTY CODE 053 FHWA STATION IDENTIFICATION NO. _____
HPMS SAMPLE NO. 270150430520 HPMS SUBDIVISION NO. 0
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 CHARLES N. KING PHONE # (615) 741-0957
DATE PREPARED 8-8-91

RECEIVED AUG 13 1992

<p align="center">SHEET 2</p> <p align="center">LTPP TRAFFIC DATA</p> <p align="center">TRAFFIC VOLUMES AND LOAD ESTIMATES</p>	*STATE ASSIGNED ID [2121]
	*STATE CODE [47]
	*SHRP SECTION ID [2008]

JB
8-28-95

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	9082	1064	3242	380	163
1988	8230	965	2938	344	148
1987	7615	892	2719	319	137
1986	7205	844	2572	301	129
1985	6689	784	2388	280	120
1984	6874	806	2454	288	123
1983	6038	708	2156	253	108
1982	6275	735	2240	263	113
1981	5943	697	2122	249	107
1980	5667	664	2023	237	102
1979	5807	681	2073	243	104
1978	6193	726	2211	259	111
1977	6243	732	2229	261	112
1976	5994	702	2140	251	108
1975	5348	627	1909	224	96
1974	5500	645	1964	230	99
1973	6153	721	2197	257	111
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

NAME OF PREPARER CHARLES N. KING PHONE # (615) 741-0957
DATE PREPARED 8-8-91 / 8-4-92

SHEET 2

LTPP TRAFFIC DATA

TRAFFIC VOLUMES
AND LOAD ESTIMATES

*STATE ASSIGNED ID [_ _ _ _]

*STATE CODE [47]

*SHRP SECTION ID [2000]

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	9082	1064	3242	380	163
1988	8230	965	2938	344	148
1987	7615	892	2719	319	137
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1974	5500	645	1964	230	99
1973	6153	721	2197	257	111
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

NAME OF PREPARER CHARLES N. KING PHONE # (615) 741-0957
 DATE PREPARED 8-8-91 / 8-4-92

SHEET 2 LTPP TRAFFIC DATA TRAFFIC VOLUMES AND LOAD ESTIMATES	*STATE ASSIGNED ID [_ _ _ _] *STATE CODE [47] *SHRP SECTION ID [2000]
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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	9082	1064	3242	380	163
1988	8230	965	2938	344	148
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1974					
1973					
1972					
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1970					
1969					
1968					
1967					
1966					
1965					

NAME OF PREPARER <u>CHARLES N. KING</u>	PHONE # <u>(615) 741-0957</u>
DATE PREPARED <u>8-8-91</u>	

SHEET 3

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

*STATE ASSIGNED ID [_ _ _ _]

*STATE CODE [47]

*SHRP SECTION ID [2008]

1. Year Applicable ALL

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: ESTIMATED FROM GIBSON CO CLASSIFICATION STA. 68

6. METHOD FOR ESTIMATING ESAL/VEHICLE

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

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 CHARLES N. KING PHONE # (615) 741-0957

DATE PREPARED 8-8-91

SHEET 4 LTPP TRAFFIC DATA TRAFFIC VOLUME COUNTS	*STATE ASSIGNED ID [_ _ _ _] *STATE CODE [47] *SHRP SECTION ID [2008]
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HIGHWAY ROUTE NO. (THIS COUNT) SR-43
 MILEPOST# OR LOCATION (THIS COUNT) NORTH OF MEDINA
 BEGINNING DATE 8-15-89 ENDING DATE 8-16-89
 BEGINNING TIME 14:00 ENDING TIME 14:00
 COUNT DURATION 24 ☒ HOURS [] DAYS [] MONTHS
 TYPE OF COUNTER STREETER NAME/MODEL # 5150 XT
 TYPE OF COUNT: TWO-WAY ☒ ONE DIRECTION ONLY ☐ GPS TEST LANE ONLY ☐

<u>ITEM</u>	<u>ACTUAL COUNTS</u>	<u>UNITS</u>
1. TOTAL NO. OF VEHICLES (RAW COUNT)	--9657	
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT	--	
B. AXLE CORRECTION FACTOR	0.95	
C. DAY OF WEEK FACTOR	0.99	
D. MONTH FACTOR	--	
E. OTHER FACTOR ()	--	
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	--9082	
4. DIRECTIONAL DISTRIBUTION FACTOR	--	
5. GPS LANE DISTRIBUTION FACTOR	--	
6. AADT GPS LANE	--3242	

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER <u>CHARLES N. KING</u>	PHONE # <u>(615) 741-0957</u>
DATE PREPARED <u>8-8-91</u>	

SHEET 5

LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA
FHWA 13-CLASS SYSTEM

*STATE ASSIGNED ID []

*STATE CODE [47]

*SHRP SECTION ID [2008]

HIGHWAY RT. NO. (THIS COUNT) SR-43 MILEPOST# (THIS COUNT) N/ALOCATION (THIS COUNT) NEAR MILAN ARSENAL FUNCTIONAL CLASS 02BEGINNING DATE 5-16-88 ENDING DATE 5-17-88BEGINNING TIME 11:00 ENDING TIME 11:00 DURATION (HRS) 24TYPE OF COUNT: MANUAL AUTOMATED ✓ NO. OF LANES COUNTED 4TYPE OF EQUIP.: AVC PERM. AVC PORT. ✓ WIM PERM. WIM PORT. EQUIPMENT NAME / MODEL # STREETER 5150 XTTOTAL NO. OF VEHICLES CLASSIFIED 7822 # TRUCKS 917 % TRUCKS 11.72NO. OF TRUCKS IN GPS LANE 380 % OF TRUCKS IN GPS LANE 11.72VEHICLE 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>7952</u>	<u>4041</u>	<u>2828</u>
2. FHWA CLASS 4 (Buses)	<u>34</u>	<u>20</u>	<u>14</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	<u>230</u>	<u>122</u>	<u>85</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	<u>94</u>	<u>37</u>	<u>26</u>
5. FHWA CLASS 7 (4 or more Axle SU Truck)	<u>13</u>	<u>11</u>	<u>8</u>
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	<u>233</u>	<u>87</u>	<u>61</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	<u>451</u>	<u>267</u>	<u>187</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>7</u>	<u>3</u>	<u>2</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>65</u>	<u>43</u>	<u>30</u>
GRAND TOTAL	<u>9082</u>	<u>4632</u>	<u>3242</u>

NAME OF PREPARER CHARLES N. KING PHONE # (615) 741-0957DATE PREPARED 8-8-91

SHEET 11 LTPP TRAFFIC DATA VOLUME DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [_ _ _ _]
	*STATE CODE [4 2]
	*SHRP SECTION ID [2 0 2 8]

HIGHWAY RT. NO. (THIS COUNT) US 45 E MILEPOST NO. (THIS COUNT) 5.2LOCATION (THIS COUNT) Gibson Co., 1.7 miles south of MilanFILENAME V 472008. C03 DISK/TAPE ID 47001BEGINNING DATE 1-25-93 BEGINNING TIME 0:00ENDING DATE 1-31-93 ENDING TIME 24:00TYPE OF COUNT: TWO-WAY _____ ONE-WAY _____ GPS LANE XCOUNT DURATION 7 [] HOURS [X] DAYS [] MONTHSTYPE OF SENSOR _____ ROAD TUBES X PIEZO CABLE

_____ PIEZO FILM _____ LOOPS _____ OTHER _____

EQUIPMENT MANUFACTURER / MODEL # PAT / DAW 100

AXLE CORRECTION FACTOR _____ STANDARD DEV. OF FACTOR _____

MONTHLY/SEASONAL FACTOR _____ STANDARD DEV. OF FACTOR _____

DAY-OF-WEEK FACTOR _____ STANDARD DEV. OF FACTOR _____

OTHER FACTOR _____ STANDARD DEV. OF FACTOR _____

SPECIFY _____

DISTRIBUTION FACTOR FOR GPS LANE _____
(WHEN NOT AVAILABLE FROM ACTUAL COUNT DATA.)

SOURCE OF GPS LANE DISTRIBUTION FACTOR ESTIMATE _____

COMMENTS: _____

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Ken Arnold</u>	PHONE # <u>(615) 741-1816</u>
DATE PREPARED <u>3-22-93</u>	

SHEET 11 LTPP TRAFFIC DATA VOLUME DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [_ _ _ _]
	*STATE CODE [42]
	*SHRP SECTION ID [2008]

HIGHWAY RT. NO. (THIS COUNT) U.S. 45E MILEPOST NO. (THIS COUNT) 5.2LOCATION (THIS COUNT) Gibson Co., 1.7 miles south of MilanFILENAME V 472008. D13 DISK/TAPE ID 47001BEGINNING DATE 2-1-93 BEGINNING TIME 0:00ENDING DATE 2-28-93 ENDING TIME 24:00TYPE OF COUNT: TWO-WAY _____ ONE-WAY _____ GPS LANE XCOUNT DURATION 1 [] HOURS [] DAYS [X] MONTHSTYPE OF SENSOR _____ ROAD TUBES X PIEZO CABLE

_____ PIEZO FILM _____ LOOPS _____ OTHER _____

EQUIPMENT MANUFACTURER / MODEL # PAT/DAW 100

AXLE CORRECTION FACTOR _____ STANDARD DEV. OF FACTOR _____

MONTHLY/SEASONAL FACTOR _____ STANDARD DEV. OF FACTOR _____

DAY-OF-WEEK FACTOR _____ STANDARD DEV. OF FACTOR _____

OTHER FACTOR _____ STANDARD DEV. OF FACTOR _____

SPECIFY _____

DISTRIBUTION FACTOR FOR GPS LANE _____
(WHEN NOT AVAILABLE FROM ACTUAL COUNT DATA.)

SOURCE OF GPS LANE DISTRIBUTION FACTOR ESTIMATE _____

COMMENTS: _____

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Ken Arnold</u>	PHONE # <u>(615) 741-1816</u>
DATE PREPARED <u>3-31-93</u>	

RECEIVED APR 26 1993

<p align="center">SHEET 11 LTPP TRAFFIC DATA VOLUME DATA TRANSMITTAL FORM</p>	*STATE ASSIGNED ID [_ _ _ _]
	*STATE CODE [42]
	*SHRP SECTION ID [2008]

HIGHWAY RT. NO. (THIS COUNT) U.S. 45 E MILEPOST NO. (THIS COUNT) 5.2
 LOCATION (THIS COUNT) Gibson Co., 1.7 miles south of Milan

FILENAME V 472008. E13 DISK/TAPE ID 47001

BEGINNING DATE 3-1-93 BEGINNING TIME 0:00

ENDING DATE 3-31-93 ENDING TIME 24:00

TYPE OF COUNT: TWO-WAY _____ ONE-WAY _____ GPS LANE X

COUNT DURATION 1 [] HOURS [] DAYS [X] MONTHS

TYPE OF SENSOR _____ ROAD TUBES X PIEZO CABLE

_____ PIEZO FILM _____ LOOPS _____ OTHER _____

EQUIPMENT MANUFACTURER / MODEL # PAT/DAW 100

AXLE CORRECTION FACTOR _____ STANDARD DEV. OF FACTOR _____

MONTHLY/SEASONAL FACTOR _____ STANDARD DEV. OF FACTOR _____

DAY-OF-WEEK FACTOR _____ STANDARD DEV. OF FACTOR _____

OTHER FACTOR _____ STANDARD DEV. OF FACTOR _____

SPECIFY _____

DISTRIBUTION FACTOR FOR GPS LANE _____
 (WHEN NOT AVAILABLE FROM ACTUAL COUNT DATA.)

SOURCE OF GPS LANE DISTRIBUTION FACTOR ESTIMATE _____

COMMENTS: _____

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Ken Arnold</u>	PHONE # <u>(615) 741-1816</u>
DATE PREPARED <u>4-16-93</u>	

**SHEET 15
LTPP TRAFFIC DATA**

**LOG OF CHANGE AT LTPP TEST LOCATIONS
WITH PERM. AVC OR WIM**

*STATE ASSIGNED ID

*STATE CODE

*SHRP SECTION ID

47

2008

LOCATION
MP#

TYPE EQUIP.
MODEL #

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGE	PHONE #	NEW EQUIP. SERIAL #
9/19/2002	12:00	Intall loops + piezos in pavement	Robert Snow		JBL 28984
					UBL 28975
					JBL 28983

revised November 11, 1999

RECEIVED SEP 27 2002