

SHEET 1  
LTPP TRAFFIC DATA  
SUMMARY TRANSMITTAL FORM

\*STATE ASSIGNED ID [1137]  
\*STATE CODE [47]  
\*SHRP SECTION ID [1028]

SB  
8-28-95

STATE OR PROVINCE TENNESSEE COUNTY HAWKINS  
HIGHWAY ROUTE NO. SR-1 MILEPOST# N/A  
NEAREST CITY/TOWN CUBA NEAREST INTERSECTION CLOUD CR RD  
FUNCTIONAL CLASS 02 NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4  
DIRECTION OF TRAVEL GPS LANE NORTH DATE OPENED TO TRAF. 09-15-83 From Inv. Data  
FIPS COUNTY CODE 073 FHWA STATION IDENTIFICATION NO. \_\_\_\_\_  
HPMS SAMPLE NO. 370150010798 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 7-26-91

<p><b>SHEET 2</b></p> <p><b>LTPP TRAFFIC DATA</b></p> <p><b>TRAFFIC VOLUMES AND LOAD ESTIMATES</b></p>	<p>*STATE ASSIGNED ID [ _ _ _ _ ]</p> <p>*STATE CODE [ 47 ]</p> <p>*SHRP SECTION ID [ 1028 ]</p>
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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	6027	732	1777	257	108
1988	5999	729	1769	256	107
1987	5668	689	1671	242	102
1986	4875	592	1437	208	87
1985	4601	559	1357	196	82
1984					
1983					
1982					
1981					
1980					
1979					
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1976					
1975					
1974					
1973					
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

NAME OF PREPARER <u>CHARLES N. KING</u>	PHONE # <u>(615) 741-0957</u>
DATE PREPARED <u>7-26-91</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 [ 1028 ]

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: USED COUNT DATA FROM NEARBY SITE

## 5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.
- ☐ System distribution factors.
- ☒ Other: USED COUNT DATA FROM NEARBY SITE

## 6. METHOD FOR ESTIMATING ESAL/VEHICLE

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

## 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: WEIGHT DATA FROM NEARBY SITE

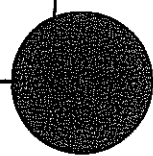
## (B) Weight Scale Type

- ☒ 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 7-26-91

<b>SHEET 4</b> <b>LTPP TRAFFIC DATA</b> <b>TRAFFIC VOLUME COUNTS</b>	*STATE ASSIGNED ID [ _ _ _ _ ]
	*STATE CODE [ 47 ]
	*SHRP SECTION ID [ 1028 ]



HIGHWAY ROUTE NO. (THIS COUNT) SR-1

MILEPOST# OR LOCATION (THIS COUNT) ON SR-1 NEAR MALINDA FERRY ROAD

BEGINNING DATE 2-21-89 ENDING DATE 2-22-89

BEGINNING TIME 12:00 ENDING TIME 12:00

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 ☐

ITEM	ACTUAL COUNTS	UNITS
1. TOTAL NO. OF VEHICLES (RAW COUNT)	<u>5331</u>	
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT	<u>    </u>	
B. AXLE CORRECTION FACTOR	<u>0.95</u>	
C. DAY OF WEEK FACTOR	<u>1.19</u>	
D. MONTH FACTOR	<u>    </u>	
E. OTHER FACTOR ( <u>    </u> )	<u>    </u>	
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	<u>6027</u>	
4. DIRECTIONAL DISTRIBUTION FACTOR	<u>    </u>	
5. GPS LANE DISTRIBUTION FACTOR	<u>    </u>	
6. AADT GPS LANE	<u>1777</u>	

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>7-26-91</u>	

## SHEET 5

## LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA  
FHWA 13-CLASS SYSTEM

\*STATE ASSIGNED ID [ ]

\*STATE CODE [47]

\*SHRP SECTION ID [1028]

HIGHWAY RT. NO. (THIS COUNT) SR-1 MILEPOST# (THIS COUNT) N/ALOCATION (THIS COUNT) NEAR CRACKET LN FUNCTIONAL CLASS 02BEGINNING DATE 7-10-89 ENDING DATE 7-11-89BEGINNING TIME 16:00 ENDING TIME 16:00 DURATION (HRS) 24TYPE OF COUNT: MANUAL        AUTOMATED ✓ NO. OF LANES COUNTED 2TYPE OF EQUIP.: AVC PERM.        AVC PORT.        WIM PERM.        WIM PORT. ✓EQUIPMENT NAME / MODEL # STREETER 5150 XTTOTAL NO. OF VEHICLES CLASSIFIED 6027 \* TRUCKS 732 % TRUCKS 12.15NO. OF TRUCKS IN GPS LANE (EST.) 216 % OF TRUCKS IN GPS LANE (EST.) 70VEHICLE 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>5230</u>	<u>2203</u>	<u>1542</u>
2. FHWA CLASS 4 (Buses)	<u>6</u>	<u>3</u>	<u>2</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	<u>247</u>	<u>103</u>	<u>73</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	<u>66</u>	<u>28</u>	<u>19</u>
5. FHWA CLASS 7 (4 or more Axle SU Truck)	<u>11</u>	<u>5</u>	<u>3</u>
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	<u>78</u>	<u>33</u>	<u>23</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	<u>324</u>	<u>137</u>	<u>96</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>65</u>	<u>27</u>	<u>19</u>
GRAND TOTAL	<u>6027</u>	<u>2539</u>	<u>1777</u>

NAME OF PREPARER CHARLES N. KING PHONE # (615) 741-0957DATE PREPARED 7-26-91

RECEIVED APR 26 1993

<b>SHEET 11</b> <b>LTPP TRAFFIC DATA</b>  <b>VOLUME DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID [ _ _ _ _ ]
	*STATE CODE [ 42 ]
	*SHRP SECTION ID [ 1028 ]

HIGHWAY RT. NO. (THIS COUNT) US 11 W MILEPOST NO. (THIS COUNT) 8.63LOCATION (THIS COUNT) 5.1 mile south of RogersvilleFILENAME V 471028.M12 DISK/TAPE ID 47001BEGINNING DATE 11-1-92 BEGINNING TIME 0:00ENDING DATE 11-30-92 ENDING TIME 24:00TYPE OF COUNT: TWO-WAY ☐ ONE-WAY ☐ GPS LANE ☒COUNT DURATION 1 [ ] HOURS [ ] DAYS [ ☒ ] MONTHSTYPE OF SENSOR ☐ ROAD TUBES ☒ PIEZO CABLE☐ PIEZO FILM ☐ LOOPS ☐ OTHER ☐EQUIPMENT MANUFACTURER / MODEL # PAT/DAW 100AXLE 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>3-17-93</u>	

ARCHIVED JUL 30 2008 TK

<b>SHEET 11</b> <b>LTPP TRAFFIC DATA</b>  <b>VOLUME DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID [ _ _ _ _ ] *STATE CODE [ <u>42</u> ] *SHRP SECTION ID [ <u>1028</u> ]
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HIGHWAY RT. NO. (THIS COUNT) U.S. 11W MILEPOST NO. (THIS COUNT) 8.63LOCATION (THIS COUNT) Hawkins Co., 5.1 miles south of RogersvilleFILENAME V 471028. N12 DISK/TAPE ID 47001BEGINNING DATE 12-1-92 BEGINNING TIME 0:00ENDING DATE 12-31-92 ENDING TIME 24:00TYPE OF COUNT: TWO-WAY \_\_\_\_\_ ONE-WAY \_\_\_\_\_ GPS LANE XCOUNT DURATION 1 [ ] HOURS [ ] 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>3-19-93</u>	

<p align="center">SHEET 11 LTPP TRAFFIC DATA  VOLUME DATA TRANSMITTAL FORM</p>	<p>*STATE ASSIGNED ID [ _ _ _ _ ] *STATE CODE [ 42 ] *SHRP SECTION ID [ 1028 ]</p>
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HIGHWAY RT. NO. (THIS COUNT) U.S. 11W MILEPOST NO. (THIS COUNT) 8.63LOCATION (THIS COUNT) Hawkins Co., 5.1 miles south of RogersvilleFILENAME V471028.C13 DISKTAPE ID 47001BEGINNING DATE 1-1-93 BEGINNING TIME 0:00ENDING DATE 1-31-93 ENDING TIME 24:00TYPE OF COUNT: TWO-WAY ☐ ONE-WAY ☐ GPS LANE ☒COUNT DURATION 1 [ ] HOURS [ ] DAYS [X] MONTHSTYPE OF SENSOR ☐ ROAD TUBES ☒ PIEZO CABLE☐ PIEZO FILM ☐ LOOPS ☐ OTHER ☐EQUIPMENT MANUFACTURER / MODEL # PAT/DAW 100AXLE 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>3-26-93</u>	



<p align="center"><b>SHEET 11</b></p> <p align="center"><b>LTPP TRAFFIC DATA</b></p> <p align="center"><b>VOLUME DATA</b></p> <p align="center"><b>TRANSMITTAL FORM</b></p>	<p>*STATE ASSIGNED ID [ _ _ _ _ ]</p> <p>*STATE CODE [ 42 ]</p> <p>*SHRP SECTION ID [ 1028 ]</p>
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HIGHWAY RT. NO. (THIS COUNT) US 11 W MILEPOST NO. (THIS COUNT) 8.63LOCATION (THIS COUNT) Hawkins Co., 5.1 miles south of RogersvilleFILENAME V 471028.D13 DISKTAPE 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</p> <p align="center"><b>LTPP TRAFFIC DATA</b></p> <p align="center"><b>VOLUME DATA</b></p> <p align="center"><b>TRANSMITTAL FORM</b></p>	*STATE ASSIGNED ID [ _ _ _ _ ]
	*STATE CODE <u>1421</u>
	*SHRP SECTION ID <u>[ 1028 ]</u>

HIGHWAY RT. NO. (THIS COUNT) US 11 W MILEPOST NO. (THIS COUNT) 8.63  
 LOCATION (THIS COUNT) Hawkins Co., 5.1 miles south of Rogersville

FILENAME V 471028.E13 DISKTAPE 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 \_\_\_\_\_ [ ] HOURS [ ] DAYS [ ] MONTHS

TYPE OF SENSOR \_\_\_\_\_ ROAD TUBES \_\_\_\_\_ PIEZO CABLE

\_\_\_\_\_ PIEZO FILM \_\_\_\_\_ LOOPS \_\_\_\_\_ OTHER \_\_\_\_\_

EQUIPMENT MANUFACTURER / MODEL # PAT/DAW100

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>	