

<b>SHEET 1</b> <b>LTPP TRAFFIC DATA</b> <b>SUMMARY TRANSMITTAL FORM</b>	*STATE ASSIGNED ID <u>[LL01]</u> *STATE CODE <u>[47]</u> *SHRP SECTION ID <u>[1023]</u>
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SB  
8-28-95

STATE OR PROVINCE TENNESSEE COUNTY ANDERSON

HIGHWAY ROUTE NO. I-75 MILEPOST# N/A

NEAREST CITY/TOWN NORRIS NEAREST INTERSECTION SR-61

FUNCTIONAL CLASS 01 NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4

DIRECTION OF TRAVEL GPS LANE NORTH DATE OPENED TO TRAF. 05-01-74

FIPS COUNTY CODE 001 FHWA STATION IDENTIFICATION NO. \_\_\_\_\_

HPMS SAMPLE NO. 01010750541 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

<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 [ _ _ _ _ ]
	*STATE CODE [ 47 ]
	*SHRP SECTION ID [ 1023 ]

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	31670	8022	11860	3684	1021
1988	30120	7629	11280	3504	970
1987	29880	7569	11190	3476	962
1986	26960	6829	10096	3136	868
1985	24010	6082	8991	2793	773
1984	29250	7409	10954	3402	942
1983	28100	7118	10523	3269	905
1982	27000	6839	10111	3140	869
1981	29000	7346	10860	3374	934
1980	29110	7374	10901	3386	937
1979	29110	7374	10901	3386	937
1978	27090	6862	10145	3151	872
1977	26980	6834	10104	3138	869
1976	17530	4440	6565	2039	564
1975	18530	4694	6939	2156	597
1974	15020	3805	5624	1747	484
1973					
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

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

DATE PREPARED 5-78-81

## SHEET 3

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

\*STATE ASSIGNED ID [ \_ \_ \_ \_ ]

\*STATE CODE [ 4 ]

\*SHRP SECTION ID [ 1 0 2 3 ]

1. Year Applicable 1974-1989

## 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) \_\_\_\_\_
- ☐ 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: \_\_\_\_\_

## (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

<p align="center">SHEET 4</p> <p align="center"><b>LTPP TRAFFIC DATA</b></p> <p align="center"><b>TRAFFIC VOLUME COUNTS</b></p>	*STATE ASSIGNED ID [ _ _ _ _ ]
	*STATE CODE [ 47 ]
	*SHRP SECTION ID [ 1023 ]

HIGHWAY ROUTE NO. (THIS COUNT) I-75

MILEPOST# OR LOCATION (THIS COUNT) 8.2 N.W. OF SR-61

BEGINNING DATE 4-4-89 ENDING DATE 4-5-89

BEGINNING TIME 1:00 P.m ENDING TIME 1:00 P.m

COUNT DURATION 24 [ ☒ ] HOURS [ ] DAYS [ ] MONTHS

TYPE OF COUNTER STREETEER NAME/MODEL # 5150 XT

TYPE OF COUNT: TWO-WAY ☒ ONE DIRECTION ONLY ☐ GPS TEST LANE ONLY ☐

<u>ACTUAL COUNTS</u>	
<u>ITEM</u>	<u>UNITS</u>
1. TOTAL NO. OF VEHICLES (RAW COUNT)	<u>039468</u>
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):	
A. ADJUSTMENT TO 24-HOUR COUNT	<u>-.----</u>
B. AXLE CORRECTION FACTOR	<u>0.750</u>
C. DAY OF WEEK FACTOR	<u>1.070</u>
D. MONTH FACTOR	<u>-.----</u>
E. OTHER FACTOR ( _____ )	<u>-.----</u>
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	<u>031673</u>
4. DIRECTIONAL DISTRIBUTION FACTOR	<u>-.----</u>
5. GPS LANE DISTRIBUTION FACTOR	<u>-.----</u>
6. AADT GPS LANE	<u>011860</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>5-29-91</u>	

## SHEET 5

## LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA  
FHWA 13-CLASS SYSTEM

\*STATE ASSIGNED ID [\_\_\_\_\_] ]

\*STATE CODE [47]

\*SHRP SECTION ID [1023]

HIGHWAY RT. NO. (THIS COUNT) I-75 MILEPOST# (THIS COUNT) N/ALOCATION (THIS COUNT) N.W. of SR-61 FUNCTIONAL CLASS 01BEGINNING DATE 5-22-89 ENDING DATE 5-25-89 22BEGINNING TIME 12 AM ENDING TIME 12 AM 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 31670 # TRUCKS 8022 % TRUCKS 25.33NO. OF TRUCKS IN GPS LANE 3684 % OF TRUCKS IN GPS LANE 31.06VEHICLE 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>023084</u>	<u>012430</u>	<u>008645</u>
2. FHWA CLASS 4 (Buses)	<u>000032</u>	<u>000017</u>	<u>000012</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	<u>001004</u>	<u>000541</u>	<u>000376</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	<u>000247</u>	<u>000133</u>	<u>000093</u>
5. FHWA CLASS 7 (4 or more Axle SU Truck)	<u>000025</u>	<u>000014</u>	<u>000009</u>
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	<u>000203</u>	<u>000379</u>	<u>000263</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	<u>005602</u>	<u>003017</u>	<u>002098</u>
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	<u>000035</u>	<u>000019</u>	<u>000013</u>
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	<u>000304</u>	<u>000164</u>	<u>000114</u>
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	<u>000067</u>	<u>000036</u>	<u>000025</u>
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	<u>000003</u>	<u>000002</u>	<u>000001</u>
12. OTHER VEHICLES	<u>000564</u>	<u>000301</u>	<u>000211</u>
GRAND TOTAL	<u>031670</u>	<u>017053</u>	<u>011860</u>

NAME OF PREPARER CHARLES N. KING PHONE # (615) 741-0957DATE PREPARED 5-29-89

SHEET 11 LTPP TRAFFIC DATA VOLUME DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [ _ _ _ _ ]
	*STATE CODE [ 42 ]
	*SHRP SECTION ID [ 1023 ]

HIGHWAY RT. NO. (THIS COUNT) I-75 MILEPOST NO. (THIS COUNT) 5.23LOCATION (THIS COUNT) 0.5 Mile north of S.R. 61FILENAME V 471023.M12 DISKTAPE 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 XCOUNT DURATION 1 [ ] HOURS [ ] DAYS [X] MONTHSTYPE OF SENSOR        ROAD TUBES X 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: Data for 11-27 & 11-28 not included due to -  
equipment malfunction.

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>	

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 [ 42 ]
	*SHRP SECTION ID [ 1023 ]

HIGHWAY RT. NO. (THIS COUNT) I-75 MILEPOST NO. (THIS COUNT) 5.23

LOCATION (THIS COUNT) Anderson In., 0.5 mile north of S.R. 61

FILENAME V471023.N12 DISK/TAPE ID 47001

BEGINNING DATE 12-1-93 BEGINNING TIME 0:00

ENDING DATE 12-31-93 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: No data available between 12-3 and 12-18 due to equipment malfunction.

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>	

<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 [ 1023 ]

HIGHWAY RT. NO. (THIS COUNT) I-75 MILEPOST NO. (THIS COUNT) 5.23LOCATION (THIS COUNT) Anderson Co., 0.5 mile north of S.R. 61FILENAME V471023.C13 DISK/TAPE 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 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>3-26-93</u>	



SHEET 11 LTPP TRAFFIC DATA  VOLUME DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [ _ _ _ _ ]
	*STATE CODE [ 47 ]
	*SHRP SECTION ID [ 1023 ]

HIGHWAY RT. NO. (THIS COUNT) I-75 MILEPOST NO. (THIS COUNT) 5.23LOCATION (THIS COUNT) Anderson Co., 0.5 mile north of S.R. 61FILENAME V 471023. 013 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 X

COUNT DURATION \_\_\_\_\_ [ ] HOURS [ ] DAYS [ ] 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: No data available for 2/3, 2/4, 2/8, 2/17, 2/18, and 2/22  
due to equipment malfunction.

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>	

SHEET 11 LTPP TRAFFIC DATA  VOLUME DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [ _ _ _ _ ]
	*STATE CODE [ 42 ]
	*SHRP SECTION ID [ 1023 ]

HIGHWAY RT. NO. (THIS COUNT) I-75 MILEPOST NO. (THIS COUNT) 5.23LOCATION (THIS COUNT) Anderson Co., 0.5 mile north of S.R. 61FILENAME V471023.E13 DISKTAPE ID 47001BEGINNING DATE 3-1-93 BEGINNING TIME 0:00ENDING DATE 3-31-93 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/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: No data available 3/4, 3/10 and 3/20 due to  
equipment malfunction

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>	