

SHEET 1
LTPP TRAFFIC DATA
SUMMARY TRANSMITTAL FORM

*STATE ASSIGNED ID [2187]
*STATE CODE [47]
*SHRP SECTION ID [3104]

55
8-28-85

STATE OR PROVINCE TENNESSEE COUNTY UNION
HIGHWAY ROUTE NO. SR-370 MILEPOST# N/A
NEAREST CITY/TOWN LUTTRELL NEAREST INTERSECTION SR-61
FUNCTIONAL CLASS 07 NO. LANES EACH DIRECTION 1 TOTAL NO. LANES 2
DIRECTION OF TRAVEL GPS LANE SOUTH DATE OPENED TO TRAF. 06-15-86 From Inv. Date
FIPS COUNTY CODE 173 FHWA STATION IDENTIFICATION NO. _____
HPMS SAMPLE NO. 870153700495 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 8-5-91

SHEET 2 LTPP TRAFFIC DATA TRAFFIC VOLUMES AND LOAD ESTIMATES	*STATE ASSIGNED ID [_ _ _ _] *STATE CODE [47] *SHRP SECTION ID [3] 041
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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	277	11	136	6	3
1988	247	10	121	6	3
1987	422	17	207	10	5
1986	200	8	98	5	2
1985	183	8	90	4	2
1984	164	7	80	4	2
1983	179	7	88	4	2
1982	156	6	76	4	2
1981	131	5	64	3	1
1980	127	5	62	3	1
1979	95	4	47	2	1
1978	92	4	45	2	1
1977	92	4	45	2	1
1976	107	4	52	2	1
1975	87	4	43	2	1
1974	71	3	35	2	1
1973	85	3	42	2	1
1972	65	3	32	1	1
1971	96	4	47	2	1
1970	87	4	43	2	1
1969	136	6	67	3	1
1968	95	4	47	2	1
1967	93	4	46	2	1
1966	89	4	44	2	1
1965	93	4	46	2	1

NAME OF PREPARER <u>CHARLES N. KING</u>	PHONE # <u>(615) 741-0957</u>
DATE PREPARED <u>8-5-91</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 [3104]

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: ESTIMATED FROM UNION CO. CLASSIFICATION STA. 320

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.
- ☐ System distribution factors.
- ☒ Other: ESTIMATED FROM UNION CO. CLASSIFICATION STA. 320

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. KINGPHONE # (615) 741-0957DATE PREPARED 8-5-91

SHEET 4 LTPP TRAFFIC DATA TRAFFIC VOLUME COUNTS	*STATE ASSIGNED ID [_ _ _ _]
	*STATE CODE [47]
	*SHRP SECTION ID [3104]

HIGHWAY ROUTE NO. (THIS COUNT) SR-370

MILEPOST# OR LOCATION (THIS COUNT) NORTH OF LUTTRELL ON SR-370

BEGINNING DATE 4-12-89 ENDING DATE 4-13-89

BEGINNING TIME 15:00 ENDING TIME 15:00

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)	---	280
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT	---	---
B. AXLE CORRECTION FACTOR	0.98	---
C. DAY OF WEEK FACTOR	1.01	---
D. MONTH FACTOR	---	---
E. OTHER FACTOR (_____)	---	---
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	---	277
4. DIRECTIONAL DISTRIBUTION FACTOR	---	---
5. GPS LANE DISTRIBUTION FACTOR	---	---
6. AADT GPS LANE	---	136

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>8-5-91</u>	

LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA
FHWA 13-CLASS SYSTEM

*STATE ASSIGNED ID []

*STATE CODE [47]

*SHRP SECTION ID [3104]

HIGHWAY RT. NO. (THIS COUNT) SR-61MILEPOST# (THIS COUNT) N/ALOCATION (THIS COUNT) NEAR PAULETTEFUNCTIONAL CLASS 07BEGINNING DATE 9-17-90ENDING DATE 9-18-90BEGINNING TIME 12:00ENDING TIME 12:00DURATION (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 706 # TRUCKS 29 % TRUCKS 4.11NO. OF TRUCKS IN GPS LANE 16 % OF TRUCKS IN GPS LANE 4.64VEHICLE 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>264</u>	<u>128</u>	<u>128</u>
2. FHWA CLASS 4 (Buses)	<u>4</u>	<u>2</u>	<u>2</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	<u>3</u>	<u>2</u>	<u>2</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	<u>4</u>	<u>2</u>	<u>2</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>1</u>	<u>1</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	<u>0</u>	<u>0</u>	<u>0</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>1</u>	<u>1</u>	<u>1</u>
GRAND TOTAL	<u>277</u>	<u>136</u>	<u>136</u>

NAME OF PREPARER CHARLES N. KINGPHONE # (615) 741-0957DATE PREPARED 8-5-91

SHEET 11 LTPP TRAFFIC DATA VOLUME DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [_ _ _ _]
	*STATE CODE [42]
	*SHRP SECTION ID [3104]

HIGHWAY RT. NO. (THIS COUNT) S.R. 370 MILEPOST NO. (THIS COUNT) 5.47LOCATION (THIS COUNT) Union Co., 0.3 mile south of S.R. 61FILENAME V 473104.M12 DISKTAPE ID 47001BEGINNING DATE 11-1-92 BEGINNING TIME 0:00ENDING DATE 11-19-92 ENDING TIME 24:00TYPE OF COUNT: TWO-WAY _____ ONE-WAY _____ GPS LANE XCOUNT DURATION 19 [] 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: No data after 11-19 due to equipment malfunction

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER Ken Arnold PHONE # (615) 741-1816DATE PREPARED 3-17-93

SHEET 11 LTPP TRAFFIC DATA VOLUME DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [_ _ _ _]
	*STATE CODE [42]
	*SHRP SECTION ID [3104]

HIGHWAY RT. NO. (THIS COUNT) S.R. 370 MILEPOST NO. (THIS COUNT) 5.47

LOCATION (THIS COUNT) Union Co. 0.3 mile south of S.R. 51

FILENAME V473104.NA2 DISK/TAPE ID 47001

BEGINNING DATE 12-11-92 BEGINNING TIME 0:00

ENDING DATE 12-11-92 ENDING TIME 24:00

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

COUNT DURATION / [] HOURS [X] 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: Only days' data available for month of December, 1992
due to equipment failure.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER Ken Arnold PHONE # (615) 741-1816