

SHEET 1
LTPP TRAFFIC DATA
SUMMARY TRANSMITTAL FORM

*STATE ASSIGNED ID 111581
*STATE CODE 471
*SHRP SECTION ID 10291

53
8-28-95

STATE OR PROVINCE TENNESSEE COUNTY MARION
HIGHWAY ROUTE NO. SR-28 MILEPOST# N/A
NEAREST CITY/TOWN JASPER NEAREST INTERSECTION I-24
FUNCTIONAL CLASS 02 NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4
DIRECTION OF TRAVEL GPS LANE NORTH DATE OPENED TO TRAF. 10-15-82 *From Inv Data*
FIPS COUNTY CODE 115 FHWA STATION IDENTIFICATION NO. _____
HPMS SAMPLE NO. 580150280000 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 8-7-91

SHEET 2 LTPP TRAFFIC DATA TRAFFIC VOLUMES AND LOAD ESTIMATES	*STATE ASSIGNED ID [_ _ _ _] *STATE CODE [47] *SHRP SECTION ID [1029]
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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	2100	318	720	109	51
1988	2081	315	714	108	51
1987	2624	398	900	136	64
1986	2342	355	803	122	57
1985	1427	216	489	74	35
1984	1989	302	682	103	48
1983	1594	242	547	83	39
1982					
1981					
1980					
1979					
1978					
1977					
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>8-7-91</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 [1029]

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 MARION G. CLASSIFICATION STA. 91

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 8-7-91

<p align="center">SHEET 4</p> <p align="center">LTPP TRAFFIC DATA</p> <p align="center">TRAFFIC VOLUME COUNTS</p>	*STATE ASSIGNED ID [_ _ _ _]
	*STATE CODE [47]
	*SHRP SECTION ID [1029]

HIGHWAY ROUTE NO. (THIS COUNT) SR-28

MILEPOST# OR LOCATION (THIS COUNT) NORTH OF I-24

BEGINNING DATE 7-20-89 ENDING DATE 7-21-89

BEGINNING TIME 09:00 ENDING TIME 09:00

COUNT DURATION 24 ☒ HOURS [] DAYS [] MONTHS

TYPE OF COUNTER STREETEK 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)	<u>6308</u>	
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT	<u>1.00</u>	
B. AXLE CORRECTION FACTOR	<u>0.92</u>	
C. DAY OF WEEK FACTOR	<u>1.00</u>	
D. MONTH FACTOR	<u>1.00</u>	
E. OTHER FACTOR (<u>TRAFFIC DETOUR</u>)	<u>0.362</u>	
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	<u>2100</u>	
4. DIRECTIONAL DISTRIBUTION FACTOR	<u>1.00</u>	
5. GPS LANE DISTRIBUTION FACTOR	<u>1.00</u>	
6. AADT GPS LANE	<u>220</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>8-7-91</u>	

LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA
FHWA 13-CLASS SYSTEM

*STATE ASSIGNED ID []

*STATE CODE [47]

*SHRP SECTION ID [1029]

HIGHWAY RT. NO. (THIS COUNT) SR-28 MILEPOST# (THIS COUNT) N/ALOCATION (THIS COUNT) NEAR SEQUATCHIE G. LINE FUNCTIONAL CLASS OZBEGINNING DATE 10-15-90 ENDING DATE 10-16-90BEGINNING TIME 09:00 ENDING TIME 09:00 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 3040 # TRUCKS 461 % TRUCKS 15.16NO. OF TRUCKS IN GPS LANE 109 % OF TRUCKS IN GPS LANE 15.16VEHICLE 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>1768</u>	<u>876</u>	<u>614</u>
2. FHWA CLASS 4 (Buses)	<u>8</u>	<u>3</u>	<u>2</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	<u>29</u>	<u>11</u>	<u>8</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	<u>66</u>	<u>37</u>	<u>26</u>
5. FHWA CLASS 7 (4 or more Axle SU Truck)	<u>15</u>	<u>3</u>	<u>2</u>
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	<u>36</u>	<u>12</u>	<u>8</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	<u>158</u>	<u>78</u>	<u>55</u>
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	<u>5</u>	<u>3</u>	<u>2</u>
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	<u>1</u>	<u>1</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>14</u>	<u>5</u>	<u>3</u>
GRAND TOTAL	<u>2100</u>	<u>1029</u>	<u>720</u>

NAME OF PREPARER CHARLES N. KING PHONE # (615) 741-0957DATE PREPARED 8-7-91

RECEIVED APR 26 1993

<p align="center">SHEET 11</p> <p align="center">LTPP TRAFFIC DATA</p> <p align="center">VOLUME DATA TRANSMITTAL FORM</p>	*STATE ASSIGNED ID [_ _ _ _]
	*STATE CODE [42]
	*SHRP SECTION ID [1029]

HIGHWAY RT. NO. (THIS COUNT) S.R. 28 MILEPOST NO. (THIS COUNT) 1.32

LOCATION (THIS COUNT) 0.2 mile south of S.R. 2 interchange

FILENAME V 471029. M12 DISKTAPE ID 47001

BEGINNING DATE 11-1-92 BEGINNING TIME 0:00

ENDING DATE 11-30-92 ENDING TIME 24:00

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

COUNT DURATION / [] 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>3-17-93</u>	

SHEET 11 LTPP TRAFFIC DATA VOLUME DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [_ _ _ _]
	*STATE CODE [42]
	*SHRP SECTION ID [1029]

HIGHWAY RT. NO. (THIS COUNT) S.R. 28 MILEPOST NO. (THIS COUNT) 1.32LOCATION (THIS COUNT) Marion Co., 0.2 mile south of S.R. 2 interchangeFILENAME V471029. N12 DISKTAPE 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 [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>3-19-93</u>	

SHEET 11 LTPP TRAFFIC DATA VOLUME DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [_ _ _ _]
	*STATE CODE [42]
	*SHRP SECTION ID [1021]

HIGHWAY RT. NO. (THIS COUNT) S.R. 28 MILEPOST NO. (THIS COUNT) 1.52LOCATION (THIS COUNT) Marion Co., 0.2 mile south of S.R. 2 interchangeFILENAME V471029.C03 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>3-24-93</u>	

<p align="center">SHEET 11</p> <p align="center">LTPP TRAFFIC DATA</p> <p align="center">VOLUME DATA</p> <p align="center">TRANSMITTAL FORM</p>	<p>*STATE ASSIGNED ID [_ _ _ _]</p> <p>*STATE CODE [42]</p> <p>*SHRP SECTION ID [1022]</p>
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HIGHWAY RT. NO. (THIS COUNT) S.R. 28 MILEPOST NO. (THIS COUNT) 1.32
 LOCATION (THIS COUNT) Marion Co., 0.2 mile south of S.R. 2 interchange

FILENAME V 471029.013 DISKTAPE ID 47001

BEGINNING DATE 2-1-93 BEGINNING TIME 0:00

ENDING DATE 2-28-93 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>3-31-93</u>	

RECEIVED APR 26 1993

<p align="center">SHEET 11</p> <p align="center">LTPP TRAFFIC DATA</p> <p align="center">VOLUME DATA TRANSMITTAL FORM</p>	*STATE ASSIGNED ID [_ _ _ _]
	*STATE CODE [42]
	*SHRP SECTION ID [1029]

HIGHWAY RT. NO. (THIS COUNT) S.R. 28 MILEPOST NO. (THIS COUNT) 1.32
 LOCATION (THIS COUNT) Marion Co., 0.2 mile south of S.R. 2 interchange

FILENAME V 471029. 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 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>	