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| SHEET 1 LTPP TRAFFIC DATA SUMMARY TRANSMITTAL FORM | *STATE ASSIGNED ID [1221] *STATE CODE [47] *SHRP SECTION ID [3025] |
|---|--|

SB
8-28-95

STATE OR PROVINCE TENNESSEE COUNTY DEKALB
 HIGHWAY ROUTE NO. SR-56 MILEPOST# N/A
 NEAREST CITY/TOWN CHERRY HILL NEAREST INTERSECTION WHITEFIELD RIDGE ROAD
 FUNCTIONAL CLASS 02 NO. LANES EACH DIRECTION 1 TOTAL NO. LANES 2
 DIRECTION OF TRAVEL GPS LANE SOUTH DATE OPENED TO TRAF. 06-15-71 *From Inw Data -*
 FIPS COUNTY CODE 041 FHWA STATION IDENTIFICATION NO. _____
 HPMS SAMPLE NO. 210150561754 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 <u>CHARLES N. KING</u> DATE PREPARED <u>7-25-91</u> | PHONE # <u>(615) 741-0957</u> |
|---|-------------------------------|

| | |
|--|--|
| <p>SHEET 2</p> <p>LTPP TRAFFIC DATA</p> <p>TRAFFIC VOLUMES AND LOAD ESTIMATES</p> | <p>*STATE ASSIGNED ID [_ _ _ _]</p> <p>*STATE CODE [47]</p> <p>*SHRP SECTION ID [3025]</p> |
|--|--|

| 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 | 2267 | 247 | 1230 | 129 | 50 |
| 1988 | 2277 | 248 | 1235 | 130 | 50 |
| 1987 | 2259 | 246 | 1225 | 129 | 50 |
| 1986 | 1887 | 205 | 1024 | 108 | 42 |
| 1985 | 1887 | 205 | 1024 | 108 | 42 |
| 1984 | 1528 | 166 | 829 | 87 | 34 |
| 1983 | 1351 | 147 | 733 | 77 | 30 |
| 1982 | 1263 | 137 | 685 | 72 | 28 |
| 1981 | 1384 | 151 | 751 | 79 | 31 |
| 1980 | 1300 | 141 | 705 | 74 | 29 |
| 1979 | 1000 | 109 | 542 | 57 | 22 |
| 1978 | 1052 | 114 | 571 | 60 | 23 |
| 1977 | 1021 | 111 | 554 | 58 | 23 |
| 1976 | 1054 | 115 | 572 | 60 | 23 |
| 1975 | 1003 | 109 | 544 | 57 | 22 |
| 1974 | 950 | 103 | 515 | 54 | 21 |
| 1973 | 828 | 90 | 449 | 47 | 18 |
| 1972 | 852 | 93 | 462 | 49 | 19 |
| 1971 | 661 | 72 | 359 | 38 | 15 |
| 1970 | 550 | 60 | 298 | 31 | 12 |
| 1969 | 461 | 50 | 250 | 26 | 10 |
| 1968 | 516 | 56 | 280 | 29 | 11 |
| 1967 | 450 | 49 | 244 | 26 | 10 |
| 1966 | 352 | 38 | 191 | 20 | 8 |
| 1965 | 324 | 35 | 176 | 19 | 7 |

| | |
|---|-------------------------------|
| NAME OF PREPARER <u>CHARLES N. KING</u> | PHONE # <u>(615) 741-0957</u> |
| DATE PREPARED <u>7-25-91</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 [3075]

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 PUTNAM Co.
CLASSIFICATION STA. 217

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.
- ☐ System distribution factors.
- ☒ Other: ESTIMATED FROM PUTNAM Co.
CLASSIFICATION STA. 217

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.
- ☐ ESAL/Vehicle class. (no. of classes) _____
- ☒ Other: USED STATE WIDE
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) 741-0957DATE PREPARED 7-25-91

| | |
|--|---|
| SHEET 4 LTPP TRAFFIC DATA TRAFFIC VOLUME COUNTS | *STATE ASSIGNED ID [_ _ _ _] *STATE CODE [47] *SHRP SECTION ID [3075] |
|--|---|

HIGHWAY ROUTE NO. (THIS COUNT) SR-56

MILEPOST# OR LOCATION (THIS COUNT) NEAR CHERRY HILL

BEGINNING DATE 10-2-89 ENDING DATE 10-3-89

BEGINNING TIME 09:00 ENDING TIME 09:00

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>ACTUAL COUNTS</u> | |
|---|---------------|
| <u>ITEM</u> | <u>UNITS</u> |
| 1. TOTAL NO. OF VEHICLES (RAW COUNT) | <u>--2337</u> |
| 2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE): | |
| A. ADJUSTMENT TO 24-HOUR COUNT | <u>-.----</u> |
| B. AXLE CORRECTION FACTOR | <u>0.98</u> |
| C. DAY OF WEEK FACTOR | <u>0.99</u> |
| D. MONTH FACTOR | <u>-.----</u> |
| E. OTHER FACTOR (_____) | <u>-.----</u> |
| 3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY) | <u>--2267</u> |
| 4. DIRECTIONAL DISTRIBUTION FACTOR | <u>-.----</u> |
| 5. GPS LANE DISTRIBUTION FACTOR | <u>-.----</u> |
| 6. AADT GPS LANE | <u>--1230</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>7-25-91</u> | |

SHEET 5

LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA
FHWA 13-CLASS SYSTEM

*STATE ASSIGNED ID []

*STATE CODE [47]

*SHRP SECTION ID [3075]

HIGHWAY RT. NO. (THIS COUNT) SR-56 MILEPOST# (THIS COUNT) N/ALOCATION (THIS COUNT) NEAR CHEER HILL FUNCTIONAL CLASS 02BEGINNING DATE 3-8-91 ENDING DATE 3-9-91BEGINNING TIME 10:00 ENDING TIME 10:00 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 1875 # TRUCKS 204 % TRUCKS 10.88NO. OF TRUCKS IN GPS LANE 107 % OF TRUCKS IN GPS LANE 10.52VEHICLE 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>2015</u> | <u>1097</u> | <u>1097</u> |
| 2. FHWA CLASS 4 (Buses) | <u>24</u> | <u>13</u> | <u>13</u> |
| 3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck) | <u>56</u> | <u>24</u> | <u>24</u> |
| 4. FHWA CLASS 6 (3 AXLE SU TRUCK) | <u>42</u> | <u>23</u> | <u>23</u> |
| 5. FHWA CLASS 7 (4 or more Axle SU Truck) | <u>6</u> | <u>6</u> | <u>6</u> |
| 6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck) | <u>73</u> | <u>44</u> | <u>44</u> |
| 7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck) | <u>44</u> | <u>19</u> | <u>19</u> |
| 8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck) | <u>1</u> | <u>0</u> | <u>0</u> |
| 9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck) | <u>1</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>5</u> | <u>4</u> | <u>4</u> |
| GRAND TOTAL | <u>2267</u> | <u>1230</u> | <u>1230</u> |

NAME OF PREPARER CHARLES N. KING PHONE # (615) 741-0957DATE PREPARED 7-25-91

| | |
|--|--------------------------------|
| SHEET 11 LTPP TRAFFIC DATA VOLUME DATA TRANSMITTAL FORM | *STATE ASSIGNED ID [/ - - -] |
| | *STATE CODE [47] |
| | *SHRP SECTION ID [3025] |

HIGHWAY RT. NO. (THIS COUNT) S.R. 56 MILEPOST NO. (THIS COUNT) 20.04LOCATION (THIS COUNT) DeKalb Co; 0.7 mile south of I-40FILENAME V473075.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 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>3-15-93</u> | |

RECEIVED APR 26 1993

| | |
|---|--|
| <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 [3025]</p> |
|---|--|

HIGHWAY RT. NO. (THIS COUNT) SR 56 MILEPOST NO. (THIS COUNT) 20.04

LOCATION (THIS COUNT) Dekalb Co., 0.7 mile south of I-40

FILENAME V473075.N12 DISK/TAPE ID 17001

BEGINNING DATE 12-1-92 BEGINNING TIME 0:00

ENDING DATE 12-31-92 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.

| | |
|---|--------------------------------------|
| <p>NAME OF PREPARER <u>Ken Arnold</u></p> | <p>PHONE # <u>(615) 741-1816</u></p> |
| <p>DATE PREPARED <u>3-19-93</u></p> | |

RECEIVED APR 26 1993

| | |
|--|--------------------------------|
| SHEET 11 LTPP TRAFFIC DATA VOLUME DATA TRANSMITTAL FORM | *STATE ASSIGNED ID [_ _ _ _] |
| | *STATE CODE [42] |
| | *SHRP SECTION ID [3025] |

HIGHWAY RT. NO. (THIS COUNT) S.R. 56 MILEPOST NO. (THIS COUNT) 20.04

LOCATION (THIS COUNT) DeKalb Co., 0.7 mile south of I-40

FILENAME V473025.C13 DISK/TAPE ID 47001

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

ENDING DATE 1-31-93 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 # _____

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> | |

| | |
|--|--|
| <p align="center">SHEET 11 LTPP TRAFFIC DATA VOLUME DATA TRANSMITTAL FORM</p> | <p>*STATE ASSIGNED ID [_ _ _ _] *STATE CODE [42] *SHRP SECTION ID [3075]</p> |
|--|--|

HIGHWAY RT. NO. (THIS COUNT) S.R. 56 MILEPOST NO. (THIS COUNT) 20.04LOCATION (THIS COUNT) DeKalb Co., 0.7 mile south of I-40FILENAME V 473075- 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 ☒COUNT DURATION 1 [] HOURS [] DAYS [☒] MONTHSTYPE OF SENSOR _____ ROAD TUBES ☒ 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>3-29-93</u> | |

RECEIVED APR 26 1993

| | |
|---|--------------------------------|
| <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> | *STATE ASSIGNED ID [_ _ _ _] |
| | *STATE CODE [42] |
| | *SHRP SECTION ID [3025] |

HIGHWAY RT. NO. (THIS COUNT) S.R. 56 MILEPOST NO. (THIS COUNT) 20.04

LOCATION (THIS COUNT) Dekalb Co. 0.7 mile south of I-40

FILENAME V 473075. 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>4-17-93</u> | |