

RECEIVED OCT 28 1991

SHEET 1
LTPP TRAFFIC DATA
SUMMARY TRANSMITTAL FORM

*STATE ASSIGNED ID [5211]
*STATE CODE [28]
*SHRP SECTION ID [5803]

JB
8-10-95

STATE OR PROVINCE MS COUNTY MARSHALL
HIGHWAY ROUTE NO. US 78 MILEPOST# 19.9
NEAREST CITY/TOWN HOLLY SPRINGS NEAREST INTERSECTION 1 MI SE MS 7
FUNCTIONAL CLASS 2 NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4
DIRECTION OF TRAVEL GPS LANE W DATE OPENED TO TRAF. 12-01-79
FIPS COUNTY CODE 093 FHWA STATION IDENTIFICATION NO. _____
HPMS SAMPLE NO. 470002018723 HPMS SUBDIVISION NO. _____
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 _____ PHONE # _____
DATE PREPARED _____

| | |
|--|--|
| <p>SHEET 2</p> <p>LTPP TRAFFIC DATA</p> <p>TRAFFIC VOLUMES AND LOAD ESTIMATES</p> | <p>*STATE ASSIGNED ID [_ _ _ _]</p> <p>*STATE CODE [28]</p> <p>*SHRP SECTION ID [5803]</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 (1985) 1000's |
|------|--|---|---|---|--|
| 1989 | 10,200 | 3500 | 3830 | 1310 | 507.910 |
| 1988 | 8350 | 2840 | 3130 | 1070 | 408.780 |
| 1987 | 5880 | 2000 | 2200 | 800 | 282.690 |
| 1986 | 5650 | 1920 | 2120 | 720 | 266.440 |
| 1985 | 6440 | 2130 | 2420 | 800 | 297.520 |
| 1984 | 6350 | 2100 | 2380 | 790 | 287.040 |
| 1983 | 6290 | 2080 | 2360 | 780 | 277.810 |
| 1982 | 6210 | 2050 | 2330 | 770 | 267.620 |
| 1981 | 6210 | 2050 | 2330 | 770 | 261.110 |
| 1980 | 5010 | 1600 | 1880 | 600 | 204.630 |
| 1979 | | | | | |
| 1978 | | | | | |
| 1977 | | | | | |
| 1976 | | | | | |
| 1975 | | | | | |
| 1974 | | | | | |
| 1973 | | | | | |
| 1972 | | | | | |
| 1971 | | | | | |
| 1970 | | | | | |
| 1969 | | | | | |
| 1968 | | | | | |
| 1967 | | | | | |
| 1966 | | | | | |
| 1965 | | | | | |

| | |
|------------------------|---------------|
| NAME OF PREPARER _____ | PHONE # _____ |
| DATE PREPARED _____ | |

SHEET 3

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

*STATE ASSIGNED ID [_ _ _ _]

*STATE CODE [28]

*SHRP SECTION ID [5803]

1. Year Applicable 1989-1980 (79)

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 _____ PHONE # _____

DATE PREPARED _____

LTPP TRAFFIC DATA

STATE ASSIGNED ID [0741

STATE CODE [28]

SHRP SECTION ID [5803]

LOG OF CHANGES AT GPS TEST LOCATIONS WITH PERM. AVC OR WIM

| LOCATION | TYPE EQUIP. |
|--|-------------|
| Holly Springs, Marshall Co (US 478) | PAT |

MODEL # DAW 100

MP # NA MODEL # DAW 100

[illegible]

SHEET 15

LTPP TRAFFIC DATA

LOG OF CHANGES AT GPS TEST LOCATIONS WITH PERM. AVC OR WIM

STATE ASSIGNED ID [0741

STATE CODE [28]

SHRP SECTION ID [58031]

| LOCATION | TYPE EQUIP. | PAT |
|---------------------------------------|-------------|-----|
| Holly Springs, Marshall Co (US 78) | | |

MP # NA (2578) MODEL # DAW 100

[illegible]

SHEET 15

LTPP TRAFFIC DATA

LOG OF CHANGES AT GPS TEST

LOCATION WITH PERM. AVC OR WIM

***STATE ASSIGNED ID[014]**

[28]]

*SHRP SECTION ID [5803]

LOCATION HOLLYSPRINGS, MARSHALL COUNTY

| TYPE EQUIP. | PAT |
|-------------|-----|
| | |

MP #

N/A

MODEL# **DAW 100**

[illegible]

[illegible]

[illegible]

[illegible]

SHEET 15

LTPP TRAFFIC DATA

LOG OF CHANGES AT GPS TEST LOCATIONS WITH PERM. AVC OR WIM

STATE ASSIGNED ID [014]

STATE CODE [28]

SHRP SECTION ID
[5803]

LOCATION HOLLY SPRINGS MARSHALL CO.
(4578)

TYPE EQUIP. PAT

MP # 44

MODEL # DAW 100

[illegible]

RECEIVED OCT 14 1997

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|--|--------------------------|
| <p>SHEET 15</p> <p>LTPP TRAFFIC DATA</p> <p>LOG OF CHANGES AT GPS TEST LOCATIONS WITH PERM. AVC OR WIM</p> | STATE ASSIGNED ID [0141 |
| | STATE CODE [28] |
| | SHRP SECTION ID [58031 |

LOCATION Holly Springs, Marshall Co TYPE EQUIP. PAT

MP # NA MODEL # DAW 100

| DATE OF CHANGE | TIME OF CHANGE | DESCRIPTION OF CHANGE | PERSON MAKING CHANGE | PHONE # | NEW EQUIP. SERIAL # |
|----------------|----------------|--|----------------------|--------------|-----------------------------|
| 5-1-97 | 3:04 P.M. | VER. 3.73 / PIEZO 6.27 BAD PIEZO BOARD, MALFUNCTIONS WITH MAIN BOARD, I INSTALLED GOOD PIEZO BOARD ALSO INSTALLED TWO | ALAN D HATCH | 601 359 7685 | PIEZO BOARD 070 |
| " | " | GOOD COMMUNICATION PORT BOARDS FOR MAIN BOARD RESET / OK | " | " | COMM BOARDS 0010 0011 |
| 6-19-97 | 10:46 A.M. | INSTALLED NEW SOFTWARE & DIGITAL LOOP BOARDS RECALIBRATED SENSORS | " | " | LOOP BOARDS 9301099 9401163 |
| 7-18-97 | 9:45 A.M. | LIGHTNING DAMAGE TO PIEZO TERMINAL BLOCK AND PIEZO BOARD | " | " | TER. BLOCK N/A |
| " | " | INSTALLED GOOD BOARDS RESET / OK | " | " | PIEZO BOARD 9300070 |
| | | | | | |
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LTTP TRAFFIC DATA

LOG OF CHANGES AT GPS TEST LOCATIONS WITH PERM. AVC OR WIM

STATE ASSIGNED ID [074]

STATE CODE [28]

SHRP SECTION ID [58031]

| LOCATION | TYPE EQUIP. | PAT |
|--------------------------------------|-------------|-----|
| Holly Springs, Marshall Co (4578) | | DW |

MP # NA

MODEL # DAW 100

[illegible]

LTPP TRAFFIC DATA

LOG OF CHANGES AT GPS TEST
LOCATIONS WITH PERM. AVC OR WIM

STATE ASSIGNED ID [0141

STATE CODE [28]

SHRP SECTION ID [58031

LOCATION Holly Springs, Marshall Co
(US 48)TYPE EQUIP. PATMP # NAMODEL # DAW 100

| DATE OF CHANGE | TIME OF CHANGE | DESCRIPTION OF CHANGE | PERSON MAKING CHANGE | PHONE # | NEW EQUIP. SERIAL # |
|-------------------|-------------------|--|-------------------------|-------------|-------------------------------------|
| 7/23/96 | 11:08 | LIGHTNING Damage Replaced Two Loop Board, P. Terminal | Alan Hatch | 357 7685 | LB 606,708 Modem 91387 NE OSI |
| | | Block + Mother Board also Replaced Modem | " | | |
| | | | | | |
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RECEIVED OCT 28 1996

LTPP TRAFFIC DATA

LOG OF CHANGES AT GPS TEST LOCATIONS WITH PERM. AVC OR WIM

LOCATION Holly Springs, Marshall Co
(US 78)

MP # NA

MODEL # DAW 100

STATE ASSIGNED ID [- 074]

STATE CODE [Z8]

SHRP SECTION ID [58031]

TYPE EQUIP. *PAT*

[illegible]

SHEET 15

LTPP TRAFFIC DATA

LOG OF CHANGES AT GPS TEST
LOCATIONS WITH PERM. AVC OR WIM

STATE ASSIGNED ID [014]

STATE CODE [28]

SHRP SECTION ID [5803]

LOCATION Holly Springs, Marshall Co TYPE EQUIP. PAT
(US 78)MP # NA MODEL # DAW 100

| DATE OF CHANGE | TIME OF CHANGE | DESCRIPTION OF CHANGE | PERSON MAKING CHANGE | PHONE # | NEW EQUIP. SERIAL # |
|----------------|----------------|--|---|-------------|---------------------|
| 7-5-94 | 12:30 | PIEZO ANALYZER WOULD NOT REGISTER INSTALLED NEW BOARD - OK. HIGH COUNTS STILL RESULTING IN LANES 2, 3, & 4. LOW COUNTS IN LANE 1 | ALAN D. HATCH | 944 9142 | 9300156 |
| 11 | 11 | PIEZO SENSORS LOCKUP ON OCCASIONS RESULTING IN LOSS OF VEHICLE? | 11 | 11 | 11 |
| 8-2-94 | 12:00 | PIEZO ANALYZER WOULD NOT REGISTER INSTALL NEW BOARD: (WORKED OK) HIGH COUNTS STILL RESULTING IN 2, 3 & 4 LOCKS UP IN LANE 1 RESULTING IN LOSS OF VEHICLE | 11 | 359 7685 | 066 |
| 11 | 11 | | 11 | 11 | 11 |
| 8-21-94 | 15:00 | CHANGED LOOP FREQUENCY IN ALL LANES. CHANGED LOOP SENSITIVITY IN LANE ONE TO LOW/MEDIUM AND LANES 2, 3 & 4 TO LOW. CLASS DELAY CHANGED TO 60% AND WIM TO 30%. TEMP. PROBE WAS CHECKED BUT RESULTS: NO GOOD | MIKE LEGGETT (PAT) C.D. MELTON P.O. THORNTON ALAN D. HATCH | 11 | N/A |
| 11 | 11 | BAD CABLE (215). FINDING THE RESULTS IN LOSS OF VEHICLE IN LANE 1 ARE READ SPOTS IN ALL SENSORS | 11 | 11 | 11 |
| 11 | 11 | | 11 | 11 | 11 |

LTPP TRAFFIC DATA

LOG OF CHANGES AT GPS TEST LOCATIONS WITH PERM. AVC OR WIM

STATE ASSIGNED ID [014]

STATE CODE [28]

SHRP SECTION ID [5803]

LOCATION Holly Springs, Marshall Co TYPE EQUIP. PAT
(US 78)

MP # NA MODEL # DAW 100

[illegible]

LTPP TRAFFIC DATA

| | |
|-------------------|--------|
| STATE ASSIGNED ID | [_074] |
| STATE CODE | [28] |
| SHRP SECTION ID | [5803] |

TYPE EQUIP. DAT

MODEL # DAW 100

[illegible]

SHEET 15
LTTP TRAFFIC DATA

LOG OF CHANGES AT GPS TEST LOCATIONS WITH PERM. AVC OR WIM

STATE ASSIGNED ID [_ 0 7 4]

STATE CODE [28]

SHRP SECTION ID [5803]

| LOCATION | TYPE EQUIP. |
|--|-------------|
| Holly Springs, Marshall Co (US 478) | PAT |

MP # N/A MODEL # DAW 100

[illegible]

SHEET 11
LTPP TRAFFIC DATA

VOLUME DATA
TRANSMITTAL FORM

*STATE ASSIGNED ID [#014]

*STATE CODE [28]

*SHRP SECTION ID [5803]

HIGHWAY RT. NO. (THIS COUNT) US 78 MILEPOST NO. (THIS COUNT) NA

LOCATION (THIS COUNT) Holly Springs, Marshall County

FILENAME V285803.I12 DIST/TAPE ID SHRP No. 1

BEGINNING DATE 7-1-92 BEGINNING TIME 0 hour A.M.

ENDING DATE 9-02-92 ENDING TIME 24 hour P.M.

TYPE OF COUNT: TWO-WAY X ONE-WAY SPS LANES

COUNT DURATION 64 [] 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 N/A STANDARD DEV. OF FACTOR N/A

MONTHLY/SEASONAL FACTOR N/A STANDARD DEV. OF FACTOR N/A

DAY-OF-WEEK FACTOR N/A STANDARD DEV. OF FACTOR N/A

OTHER FACTOR N/A STANDARD DEV. OF FACTOR N/A

SPECIFY

DISTRIBUTION FACTOR FOR GPS LANE N/A
(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 Carolyn R. Thornton PHONE # 601-944-9142

DATE PREPARED 10-22-92

RECEIVED AUG 10 1992

SHEET 11
LTPP TRAFFIC DATA

VOLUME DATA
TRANSMITTAL FORM

*STATE ASSIGNED ID [#014]

*STATE CODE [28]

*SHRP SECTION ID [5803]

HIGHWAY RT. NO. (THIS COUNT) US 78 MILEPOST NO. (THIS COUNT) NA

LOCATION (THIS COUNT) Holly Springs, Marshall County

FILENAME V285803.F12 DIST/TAPE ID SHRP No. 1

BEGINNING DATE 4-1-92 BEGINNING TIME 0 hour A.M.

ENDING DATE 6-30-92 ENDING TIME 24 hour P.M.

TYPE OF COUNT: TWO-WAY X ONE-WAY SPS LANES

COUNT DURATION 3 [] 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 N/A STANDARD DEV. OF FACTOR N/A

MONTHLY/SEASONAL FACTOR N/A STANDARD DEV. OF FACTOR N/A

DAY-OF-WEEK FACTOR N/A STANDARD DEV. OF FACTOR N/A

OTHER FACTOR N/A STANDARD DEV. OF FACTOR N/A
SPECIFY

DISTRIBUTION FACTOR FOR GPS LANE N/A
(WHEN NOT AVAILABLE FROM ACTUAL COUNT DATA.)

SOURCE OF GPS LANE DISTRIBUTION FACTOR ESTIMATE

COMMENTS: Day 5-14-92, hour 15 missing.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER Carolyn R. Thornton PHONE # 601-944-9142
DATE PREPARED 8-1-92