

RECEIVED AUG 24 1990

SHEET 1 LTPP TRAFFIC DATA SUMMARY TRANSMITTAL FORM	*STATE ASSIGNED ID [0076] *STATE CODE [48] *SHRP SECTION ID [7165]
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SB 8-30-85

STATE OR PROVINCE TEXAS COUNTY HARRIS  
HIGHWAY ROUTE NO. IH 610 MILEPOST# 24.1  
NEAREST CITY/TOWN HOUSTON NEAREST INTERSECTION US 90  
FUNCTIONAL CLASS 11 NO. LANES EACH DIRECTION 4 TOTAL NO. LANES 8  
DIRECTION OF TRAVEL GPS LANE WB DATE OPENED TO TRAF. 84  
FIPS COUNTY CODE 201 FHWA STATION IDENTIFICATION NO. \_\_\_\_\_  
HPMS SAMPLE NO. \_\_\_\_\_ HPMS SUBDIVISION NO. \_\_\_\_\_  
TYPE OF PAVEMENT: AC ☒ PCC ☒ OTHER AC/PCC  
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 RONNIE CREPPEN PHONE # \_\_\_\_\_  
DATE PREPARED \_\_\_\_\_

TK  
ARCHIVED JUL 17 2008

<p><b>SHEET 2</b></p> <p><b>LTPP TRAFFIC DATA</b></p> <p><b>TRAFFIC VOLUMES AND LOAD ESTIMATES</b></p>	<p>*STATE ASSIGNED ID [ _ _ _ _ ]</p> <p>*STATE CODE [ <u>48</u> ]</p> <p>*SHRP SECTION ID [ <u>7165</u> ]</p>
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YEAR	1.	2.	COL 1 x 0.5 x 0.15 3.	COL 2 x 0.5 x 0.15 4.	COL 4 (OLD) x 0.15 5.
	ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	ESTIMATED TOTAL TRUCK AADT (TWO-WAY)	ESTIMATED TOTAL VEHICLES AADT GPS LANE	ESTIMATED TOTAL TRUCKS AADT GPS LANE	ESTIMATED ESAL'S / Y GPS LANE (1000's)
1989	<u>87000</u>	<u>12963</u>	<u>6525</u>	<u>972</u>	<u>366</u>
1988	<u>86000</u>	<u>12900</u>	<u>6450</u>	<u>968</u>	<u>380</u>
1987	<u>94000</u>	<u>13536</u>	<u>7050</u>	<u>1015</u>	<u>442</u>
1986	<u>81000</u>	<u>12555</u>	<u>6075</u>	<u>942</u>	<u>396</u>
1985	<u>77000</u>	<u>12243</u>	<u>5775</u>	<u>918</u>	<u>409</u>
1984	<u>84000</u>	<u>12768</u>	<u>6300</u>	<u>958</u>	<u>422</u>
1983					
1982					
1981					
1980					
1979					
1978					
1977					
1976					
1975					
1974					
1973					
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

GPS AADT  
From  
MONTGOMERY  
5.675  
i.e. LANE DISM  
~ 15%

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 [48]

\*SHRP SECTION ID [7165]

1. Year Applicable 1989-1984

## 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) 13
- ☐ 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 \_\_\_\_\_

<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 <u>48</u>
	*SHRP SECTION ID <u>7165</u>

HIGHWAY ROUTE NO. (THIS COUNT) IH 610

MILEPOST# OR LOCATION (THIS COUNT) \_\_\_\_\_

BEGINNING DATE 2/13/89 ENDING DATE 2/14/89

BEGINNING TIME 9:07 AM ENDING TIME 9:07 PM

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

TYPE OF COUNTER STREETEAMET NAME/MODEL # 163

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>96651</u>	
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT	<u>    </u>	
B. AXLE CORRECTION FACTOR	<u>0.480</u>	
C. DAY OF WEEK FACTOR	<u>    </u>	
D. MONTH FACTOR	<u>0.900</u>	
E. OTHER FACTOR ( _____ )	<u>    </u>	
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	<u>87000</u>	
4. DIRECTIONAL DISTRIBUTION FACTOR	<u>0.50</u>	
5. GPS LANE DISTRIBUTION FACTOR	<u>0.15</u>	
6. AADT GPS LANE	<u>6525</u>	

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER _____	PHONE # _____
DATE PREPARED _____	

SHEET 4  LTPP TRAFFIC DATA  TRAFFIC VOLUME COUNTS	*STATE ASSIGNED ID [ _ _ _ _ ] *STATE CODE [ 48 ] *SHRP SECTION ID [ 7165 ]
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HIGHWAY ROUTE NO. (THIS COUNT) TH 610

MILEPOST# OR LOCATION (THIS COUNT) \_\_\_\_\_

BEGINNING DATE '88 ENDING DATE '88

BEGINNING TIME \_\_\_\_\_ ENDING TIME \_\_\_\_\_

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

TYPE OF COUNTER STREETGRANET NAME/MODEL # 163

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

ITEM	ACTUAL COUNTS	UNITS
1. TOTAL NO. OF VEHICLES (RAW COUNT)		-----
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT		-----
B. AXLE CORRECTION FACTOR		-----
C. DAY OF WEEK FACTOR		-----
D. MONTH FACTOR		-----
E. OTHER FACTOR (_____)		-----
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)		<u>86000</u>
4. DIRECTIONAL DISTRIBUTION FACTOR		<u>0.50</u>
5. GPS LANE DISTRIBUTION FACTOR		<u>0.15</u>
6. AADT GPS LANE		<u>6450</u> <u>6595</u>

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER _____	PHONE # _____
DATE PREPARED _____	

<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 [ 48 ]
	*SHRP SECTION ID [ 7165 ]

HIGHWAY ROUTE NO. (THIS COUNT) TH 610

MILEPOST# OR LOCATION (THIS COUNT) \_\_\_\_\_

BEGINNING DATE '87 ENDING DATE '87

BEGINNING TIME \_\_\_\_\_ ENDING TIME \_\_\_\_\_

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

TYPE OF COUNTER STREETEAMET NAME/MODEL # 163

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

ACTUAL COUNTS	
ITEM	UNITS
1. TOTAL NO. OF VEHICLES (RAW COUNT)	_____
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):	
A. ADJUSTMENT TO 24-HOUR COUNT	_____
B. AXLE CORRECTION FACTOR	_____
C. DAY OF WEEK FACTOR	_____
D. MONTH FACTOR	_____
E. OTHER FACTOR (_____)	_____
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	<u>94000</u>
4. DIRECTIONAL DISTRIBUTION FACTOR	<u>0.50</u>
5. GPS LANE DISTRIBUTION FACTOR	<u>0.15</u>
6. AADT GPS LANE	<u>1050</u>

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER _____	PHONE # _____
DATE PREPARED _____	

<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 [ 48 ]
	*SHRP SECTION ID [ 7165 ]

HIGHWAY ROUTE NO. (THIS COUNT) IH 610

MILEPOST# OR LOCATION (THIS COUNT) \_\_\_\_\_

BEGINNING DATE '86 ENDING DATE '86

BEGINNING TIME 186 ENDING TIME 86

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

TYPE OF COUNTER STREETEAMET NAME/MODEL # 163

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

ITEM	ACTUAL COUNTS	UNITS
1. TOTAL NO. OF VEHICLES (RAW COUNT)	_____	_____
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT	_____	_____
B. AXLE CORRECTION FACTOR	_____	_____
C. DAY OF WEEK FACTOR	_____	_____
D. MONTH FACTOR	_____	_____
E. OTHER FACTOR (_____)	_____	_____
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	<u>81000</u>	_____
4. DIRECTIONAL DISTRIBUTION FACTOR	<u>0.50</u>	_____
5. GPS LANE DISTRIBUTION FACTOR	<u>0.15</u>	_____
6. AADT GPS LANE	<u>6075</u>	_____

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER _____	PHONE # _____
DATE PREPARED _____	

<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 [ 48 ]
	*SRP SECTION ID [ 7165 ]

HIGHWAY ROUTE NO. (THIS COUNT) TH 610

MILEPOST# OR LOCATION (THIS COUNT) \_\_\_\_\_

BEGINNING DATE '85 ENDING DATE '85

BEGINNING TIME \_\_\_\_\_ ENDING TIME \_\_\_\_\_

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

TYPE OF COUNTER STREET MET NAME/MODEL # 163

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)	_____	_____
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT	_____	_____
B. AXLE CORRECTION FACTOR	_____	_____
C. DAY OF WEEK FACTOR	_____	_____
D. MONTH FACTOR	_____	_____
E. OTHER FACTOR (_____)	_____	_____
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	<u>77000</u>	_____
4. DIRECTIONAL DISTRIBUTION FACTOR	<u>0.50</u>	_____
5. GPS LANE DISTRIBUTION FACTOR	<u>0.15</u>	_____
6. AADT GPS LANE	<u>5775</u>	_____

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER _____	PHONE # _____
DATE PREPARED _____	



SHEET 4  LTPP TRAFFIC DATA  TRAFFIC VOLUME COUNTS	*STATE ASSIGNED ID [ _ _ _ _ ] *STATE CODE <u>48</u> *SHRP SECTION ID <u>7165</u>
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 HIGHWAY ROUTE NO. (THIS COUNT) TH 610

MILEPOST# OR LOCATION (THIS COUNT) \_\_\_\_\_

 BEGINNING DATE '84 ENDING DATE '84

BEGINNING TIME \_\_\_\_\_ ENDING TIME \_\_\_\_\_

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

 TYPE OF COUNTER STREETEAMET NAME/MODEL # 163

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

ITEM	ACTUAL COUNTS	UNITS
1. TOTAL NO. OF VEHICLES (RAW COUNT)		-----
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT		-.----
B. AXLE CORRECTION FACTOR		-.----
C. DAY OF WEEK FACTOR		-.----
D. MONTH FACTOR		-.----
E. OTHER FACTOR (_____)		-.----
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)		<u>84000</u>
4. DIRECTIONAL DISTRIBUTION FACTOR		<u>0.50</u>
5. GPS LANE DISTRIBUTION FACTOR		<u>0.15</u>
6. AADT GPS LANE		<u>6300</u>

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER _____	PHONE # _____
DATE PREPARED _____	

<b>SHEET 5</b> <b>LTPP TRAFFIC DATA</b> <b>VEHICLE CLASSIFICATION DATA</b> <b>FHWA 13-CLASS SYSTEM</b>	*STATE ASSIGNED ID [ _____ ] *STATE CODE [ <u>48</u> ] *SHRP SECTION ID [ <u>7165</u> ]
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HIGHWAY RT. NO. (THIS COUNT) I 4610 MILEPOST# (THIS COUNT) \_\_\_\_\_  
 (Houster) SHRP CHANNEL

LOCATION (THIS COUNT) \_\_\_\_\_ FUNCTIONAL CLASS 11

BEGINNING DATE 10 29 ENDING DATE 10 29

BEGINNING TIME \_\_\_\_\_ ENDING TIME \_\_\_\_\_ DURATION (HRS) 24

TYPE OF COUNT: MANUAL ☒ AUTOMATED \_\_\_\_\_ NO. OF LANES COUNTED \_\_\_\_\_

TYPE OF EQUIP.: AVC PERM. \_\_\_\_\_ AVC PORT. \_\_\_\_\_ WIM PERM. \_\_\_\_\_ WIM PORT. \_\_\_\_\_

EQUIPMENT NAME / MODEL # \_\_\_\_\_

TOTAL NO. OF VEHICLES CLASSIFIED \_\_\_\_\_ # TRUCKS \_\_\_\_\_ % TRUCKS \_\_\_\_\_

NO. OF TRUCKS IN GPS LANE \_\_\_\_\_ % OF TRUCKS IN GPS LANE \_\_\_\_\_

VEHICLE CLASSIFICATION METHOD: FHWA ☒ OTHER \_\_\_\_\_ # BINS 13

NOTE: IF THIS COUNT DOES NOT USE THE FHWA 13-BIN CLASSIFICATION SYSTEM USE SHEET 5. 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)	_____	_____	_____
2. FHWA CLASS 4 (Buses)	_____	_____	_____
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	_____	_____	_____
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	_____	_____	_____
5. FHWA CLASS 7 (4 or more Axle SU Truck)	_____	_____	_____
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	_____	_____	_____
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	_____	_____	_____
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	_____	_____	_____
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	_____	_____	_____
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	_____	_____	_____
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	_____	_____	_____
12. OTHER VEHICLES	_____	_____	_____
<b>GRAND TOTAL</b>	_____	_____	_____

No  
CLASS  
DATA  
Provided?

NAME OF PREPARER \_\_\_\_\_ PHONE # \_\_\_\_\_

DATE PREPARED \_\_\_\_\_