

SHEET 1

LTPP TRAFFIC DATA

SUMMARY TRANSMITTAL FORM

*STATE ASSIGNED ID [0021]

*STATE CODE [22]

*SHRP SECTION ID [1003]

SB 8-31-95

STATE OR PROVINCE Puerto Rico COUNTY HabitoHIGHWAY ROUTE NO. PR-2 MILEPOST# Kilometer 34.3NEAREST CITY/TOWN Habito NEAREST INTERSECTION _____FUNCTIONAL CLASS 02 NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4DIRECTION OF TRAVEL GPS LANE EB DATE OPENED TO TRAF. 06-01-87FIPS COUNTY CODE 065 FHWA STATION IDENTIFICATION NO. NAHPMS SAMPLE NO. NA HPMS SUBDIVISION NO. NATYPE 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 _____

ARCHIVED JUL 17 2008 TK

<p>SHEET 2</p> <p>LTPP TRAFFIC DATA</p> <p>TRAFFIC VOLUMES AND LOAD ESTIMATES</p>	<p>*STATE ASSIGNED ID [_ _ _ _]</p> <p>*STATE CODE [<u>22</u>]</p> <p>*SHRP SECTION ID [<u>1005</u>]</p>
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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	<u>21,535</u>	<u>2154</u>	<u>10,768</u>	<u>1077</u>	<u>371</u>
1988	<u>20,773</u>	<u>2077</u>	<u>10,387</u>	<u>1039</u>	<u>359</u>
1987	<u>20,000</u>				
1986	<u>19,500</u>				
1985	<u>18,000</u>				
1984					
1983					
1982					
1981					
1980					
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 [72]

*SHRP SECTION ID [1003]

1. Year (s) 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: _____

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 _____

SHEET 1 LTPP TRAFFIC DATA SUMMARY TRANSMITTAL FORM	*STATE ASSIGNED ID [0021]
	*STATE CODE [72]
	*SHRP SECTION ID [1003]

STATE OR PROVINCE Puerto Rico COUNTY Hatillo
 HIGHWAY ROUTE NO. PR-2 ^{Km} MILEPOST# 84.3
 NEAREST CITY/TOWN Hatillo NEAREST INTERSECTION PR2/PR22 Km.
 FUNCTIONAL CLASS 02 NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4
 DIRECTION OF TRAVEL GPS LANE EB DATE OPENED TO TRAF. 8
 FIPS COUNTY CODE N/A FHWA STATION IDENTIFICATION NO. N/A
 HPMS SAMPLE NO. N/A HPMS SUBDIVISION NO. N/A
 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 Interstate PR-22 was opened
in 1976. As a consequence, PR-2 has been impacted
with a new volume classification and axle load
weight.

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>Mrs. Maria Dumois</u>	PHONE # <u>809 721-8787 x5259</u>
DATE PREPARED <u>May 1990</u>	

SHEET 2
LTPP TRAFFIC DATA

**TRAFFIC VOLUMES
AND LOAD ESTIMATES**

*STATE ASSIGNED ID [0021]

*STATE CODE [72]

*SHRP SECTION ID [1003]

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					
1988					
1987	<u>34336</u>				
1986					
1985	<u>35013</u>				
1984					
1983	<u>The only</u> <u>Historical traffic data</u> <u>available is from a Zurs Study:</u> <u>"Recount and Distance Traveled Time Program"</u>				
1982					
1981					
1980					
1979					
1978					
1977					
1976					
1975					
1974					
1973					
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

NAME OF PREPARER Maria Dumois

PHONE # 809-721-8787 x5259

DATE PREPARED May 1990

SHEET 3

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

*STATE ASSIGNED ID [0021]

*STATE CODE [72]

*SHRP SECTION ID [1003]

1. Year Applicable 1987

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: N/A

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: N/A

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.
☒ ESAL/Vehicle class. (no. of classes) _____
☐ Other: N/A

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: N/A

(B) Weight Scale Type

- ☐ WIM scale.
☐ Static scale used for enforcement.
☒ Static scale not used for enforcement.
☐ Other: N/A

NAME OF PREPARER Maria DurnoisPHONE # 809-721-8787 x5259DATE PREPARED May 1990

SHEET 4 LTPP TRAFFIC DATA TRAFFIC VOLUME COUNTS	*STATE ASSIGNED ID [0021]
	*STATE CODE [72]
	*SHRP SECTION ID [1003]

HIGHWAY ROUTE NO. (THIS COUNT) P.R.-2

^{Km}
MILEPOST# OR LOCATION (THIS COUNT) 76.2 EB

BEGINNING DATE 8-87 ENDING DATE 9-4-87

BEGINNING TIME 6am ENDING TIME 8pm

COUNT DURATION 14 [] HOURS [14] DAYS [] MONTHS

TYPE OF COUNTER manual NAME/MODEL # unknown

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

ITEM	ACTUAL COUNTS	UNITS
1. TOTAL NO. OF VEHICLES (RAW COUNT)		<u>34336</u>
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT	<u>N/A</u>	-----
B. AXLE CORRECTION FACTOR		-----
C. DAY OF WEEK FACTOR		-----
D. MONTH FACTOR		-----
E. OTHER FACTOR ()		-----
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)		-----
4. DIRECTIONAL DISTRIBUTION FACTOR		-----
5. GPS LANE DISTRIBUTION FACTOR		-----
6. AADT GPS LANE		-----

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER <u>Maria Dumbis</u>	PHONE # <u>809 721-8787 x5259</u>
DATE PREPARED <u>May 1990</u>	

SHEET 5 LTPP TRAFFIC DATA VEHICLE CLASSIFICATION DATA FHWA 13-CLASS SYSTEM	*STATE ASSIGNED ID [<u>0021</u>] *STATE CODE [<u>72</u>] *SHRP SECTION ID [<u>0021</u>]
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HIGHWAY RT. NO. (THIS COUNT) PR 2 MILEPOST# (THIS COUNT) 76.2

LOCATION (THIS COUNT) Hatillo FUNCTIONAL CLASS 02
 BEGINNING DATE 8-87 ENDING DATE 9-4-87
 BEGINNING TIME 6am ENDING TIME 8pm DURATION (HRS) 336

TYPE OF COUNT: MANUAL ☒ AUTOMATED ☐ NO. OF LANES COUNTED 2

TYPE OF EQUIP.: AVC PERM. N/A AVC PORT. N/A WIM PERM. N/A WIM PORT. N/A

EQUIPMENT NAME / MODEL # manual

TOTAL NO. OF VEHICLES CLASSIFIED 34336 # TRUCKS N/A % TRUCKS N/A

NO. OF TRUCKS IN GPS LANE N/A % OF TRUCKS IN GPS LANE N/A

VEHICLE CLASSIFICATION METHOD: FHWA ☐ OTHER Recount # 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)	-----	-----	-----
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	-----	-----	-----
GRAND TOTAL	<u>34336</u>	-----	-----

NAME OF PREPARER <u>Mania Dumais</u>	PHONE # <u>809-721-8787 x5259</u>
DATE PREPARED <u>May 1990</u>	

SHEET 4 LTPP TRAFFIC DATA TRAFFIC VOLUME COUNTS	*STATE ASSIGNED ID [<u>0021</u>]
	*STATE CODE [<u> </u>]
	*SHRP SECTION ID [<u> </u>]

HIGHWAY ROUTE NO. (THIS COUNT) P.R-2

^{Km}
MILEPOST# OR LOCATION (THIS COUNT) 76.2 ER

BEGINNING DATE N/A 1985 ENDING DATE N/A 1985

BEGINNING TIME 6am ENDING TIME 8pm

COUNT DURATION 14 [] HOURS [☒] DAYS [] MONTHS

TYPE OF COUNTER manual NAME/MODEL # N/A

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

ACTUAL COUNTS

ITEM

UNITS

- | | |
|---|--------------|
| 1. TOTAL NO. OF VEHICLES (RAW COUNT) | <u>35013</u> |
| 2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE): | |
| A. ADJUSTMENT TO 24-HOUR COUNT | <u> </u> |
| B. AXLE CORRECTION FACTOR | <u> </u> |
| C. DAY OF WEEK FACTOR | <u> </u> |
| D. MONTH FACTOR | <u> </u> |
| E. OTHER FACTOR (<u>N/A</u>) | <u> </u> |
| 3. ANNUAL AVERAGE DAILY TRAFFIC (AADT)
(TWO-WAY) | <u> </u> |
| 4. DIRECTIONAL DISTRIBUTION FACTOR | <u> </u> |
| 5. GPS LANE DISTRIBUTION FACTOR | <u> </u> |
| 6. AADT GPS LANE | <u> </u> |

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER <u>Mario Dumais</u>	PHONE # <u>809-921-8787 x5259</u>
DATE PREPARED <u>May 1990</u>	

SHEET 5

LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA
FHWA 13-CLASS SYSTEM

*STATE ASSIGNED ID [0021]

*STATE CODE [72]

*SHRP SECTION ID [1003]

HIGHWAY RT. NO. (THIS COUNT) P.R. 2 MILEPOST# (THIS COUNT) 76.2LOCATION (THIS COUNT) Hatillo FUNCTIONAL CLASS 02BEGINNING DATE 1985 ENDING DATE 1985BEGINNING TIME 6am ENDING TIME 8pm DURATION (HRS) 3.36TYPE OF COUNT: MANUAL ☒ AUTOMATED ☐ NO. OF LANES COUNTED TYPE OF EQUIP.: AVC PERM. N/A AVC PORT. N/A WIM PERM. N/A WIM PORT. N/AEQUIPMENT NAME / MODEL # N/ATOTAL NO. OF VEHICLES CLASSIFIED 35013 # TRUCKS N/A % TRUCKS N/ANO. OF TRUCKS IN GPS LANE N/A % OF TRUCKS IN GPS LANE N/AVEHICLE CLASSIFICATION METHOD: FHWA OTHER recount # 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-WAYTOTAL NUMBER
OF VEHICLES
GPS DIRECTIONTOTAL 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	-----	-----	-----
GRAND TOTAL	<u>35013</u>	-----	-----

NAME OF PREPARER Maria DumoisPHONE # 809-721-8787 x5259DATE PREPARED May 1990