

<b>SHORT 1</b> <b>LTPP TRAFFIC DATA</b> <b>SUMMARY TRANSMITTAL FORM</b>	*STATE A.SIGNED ID [ <u>331</u> ] *STATE CODE [ <u>32</u> ] *SHRP SECTION ID [ <u>1020</u> ]
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STATE OR PROVINCE NEVADA COUNTY MINERAL  
 HIGHWAY ROUTE NO. FAS-362 MILEPOST# 0.88  
 NEAREST CITY/TOWN HAWTHORNE NEAREST INTERSECTION 0.44 MILES SE US-95  
 FUNCTIONAL CLASS 02 NO. LANES EACH DIRECTION 1 TOTAL NO. LANES 2  
 DIRECTION OF TRAVEL GPS LANE SOUTH DATE OPENED TO TRAF. 06-01-84  
 FIPS COUNTY CODE 021 FHWA STATION IDENTIFICATION NO. \_\_\_\_\_  
 HPMS SAMPLE NO. 000362000000 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.

ENTERED

DEC 10 1991

By HN

NAME OF PREPARER <u>CHARLES CEROCKE</u>	PHONE # <u>(702) 687-3456</u>
DATE PREPARED <u>11-1-90</u>	

ENTERED  
 2/19/91

FRAC  
 CLASS  
 NODS TO  
 MATCH  
 INVENTORY  
 SIGHTS.  
 2/8/91

<b>SHOOT 2</b> <b>LTPP TRAFFIC DATA</b> <b>TRAFFIC VOLUMES</b> <b>AND LOAD ESTIMATES</b>	*STATE ASSIGNED ID [ <u>331</u> ] *STATE CODE [ <u>32</u> ] *SHRP SECTION ID [ <u>1020</u> ]
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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>745</u>	<u>366</u>	<u>373</u>	<u>183</u>	<u>76</u>
1988	<u>745</u>	<u>366</u>	<u>373</u>	<u>183</u>	<u>76</u>
1987	<u>585</u>	<u>288</u>	<u>293</u>	<u>144</u>	<u>60</u>
1986	<u>475</u>	<u>217</u>	<u>238</u>	<u>109</u>	<u>45</u>
1985	<u>475</u>	<u>217</u>	<u>238</u>	<u>109</u>	<u>45</u>
1984	<u>510</u>	<u>233</u>	<u>255</u>	<u>117</u>	<u>* 28</u>
1983					
1982					
1981					
1980					
1979					
1978					
1977					
1976					
1975					
1974					
1973					
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

OPEN TO \*  
TRAFFIC  
213 DAYS

ENTERED

DEC 10 1991

By LLV

NAME OF PREPARER <u>CHARLES CERCKE</u>	PHONE # <u>(702) 687-3456</u>
DATE PREPARED <u>11-1-90</u>	

ENTERED  
11/1/91

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

\*STATE ASSIGNED ID [ 331 ]

\*STATE CODE [ 32 ]

\*SHRP SECTION ID [ 1020 ]

1. Year Applicable 1989

## 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: 50/50 SPLIT

## 5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.
- ☐ System distribution factors.
- ☒ Other: 50/50 SPLIT

## 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: \_\_\_\_\_

ENTERED

DEC 10 1991

By LLVNAME OF PREPARER CHARLES CEROCKEPHONE # (702) 687-3456DATE PREPARED 11-1-90ENTERED  
2/19/91

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

\*STATE, SIGNED ID [ 331 ]

\*STATE CODE [ 32 ]

\*SHRP SECTION ID [ 1020 ]

1. Year Applicable 1988

## 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: 50/50 SPLIT

## 5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.  
☐ System distribution factors.  
☒ Other: 50/50 SPLIT

## 6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☒ ESAL/Truck.  
☐ ESAL/Vehicle class. (no. of classes): \_\_\_\_\_  
☐ Other: \_\_\_\_\_

## 7. ESAL ESTIMATES

## (A) Source of Data

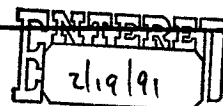
- ☐ Weight data collected at GPS site this year.  
☐ Weight data collected at GPS site prior years.  
☐ Weight data from system averages this year.  
☒ Weight data from system averages prior years.  
☐ Weight data from historic W-4 Tables used.  
☐ Other: \_\_\_\_\_

## (B) Weight Scale Type

- ☒ WIM scale.  
☒ Static scale used for enforcement.  
☐ Static scale not used for enforcement.  
☐ Other: \_\_\_\_\_

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By LLVNAME OF PREPARER CHARLES CEROCKEPHONE # (702) 687-3456DATE PREPARED 11-1-90

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

\*STATE SIGNED ID [ 331 ]

\*STATE CODE [ 32 ]

\*SHRP SECTION ID [ 1020 ]

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: \_\_\_\_\_

## 4. METHOD FOR ESTIMATING AADT BY GPS LANE

☐ Based on actual lane count data.☐ System distribution factors.☒ Other: 50/50 SPLIT

## 5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

☐ Based on actual lane count data.☐ System distribution factors.☒ Other: 50/50 SPLIT

## 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: \_\_\_\_\_

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By LLVNAME OF PREPARER CHARLES CEROCHEPHONE # (702) 687-3456DATE PREPARED 11-1-90

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

\*STATE ASSIGNED ID [ 331 ]

\*STATE CODE [ 32 ]

\*SHRP SECTION ID [ 1020 ]

1. Year Applicable 1986

## 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: 50/50 SPLIT

## 5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.
- ☐ System distribution factors.
- ☒ Other: 50/50 SPLIT

## 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: \_\_\_\_\_

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By LLVNAME OF PREPARER CHARLES CEROCHEPHONE # (702) 687-3456DATE PREPARED 11-1-90

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

\*STATE ASSIGNED ID [ 331 ]

\*STATE CODE [ 32 ]

\*SHRP SECTION ID [ 1020 ]

1. Year Applicable 1985

## 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: 50/50 SPLIT

## 5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.
- ☐ System distribution factors.
- ☒ Other: 50/50 SPLIT

## 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: \_\_\_\_\_

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DEC 10 1991

By LLUNAME OF PREPARER CHARLES CEROCKEPHONE # (702) 687-3456DATE PREPARED 11-1-90

ENTERED  
2/9/91

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

\*STATE SIGNED ID [ 331 ]

\*STATE CODE [ 32 ]

\*SHRP SECTION ID [ 1020 ]

1. Year Applicable 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: 50/50 SPLIT

**5. METHOD FOR ESTIMATING TRUCK AADT  
IN GPS LANES**

- ☐ Based on actual lane count data.
- ☐ System distribution factors.
- ☒ Other: 50/50 SPLIT

**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: \_\_\_\_\_

ENTERED

DEC 10 1991

By LL

NAME OF PREPARER CHARLES CEROCKE

PHONE # (702) 687-3456

DATE PREPARED 11-1-90

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2/19/91

<b>Sheet 5</b> <b>LTPP TRAFFIC DATA</b> <b>VEHICLE CLASSIFICATION DATA</b> <b>FHWA 13-CLASS SYSTEM</b>	*STATE ASSIGNED ID [ <u>331</u> ] *STATE CODE [ <u>32</u> ] *SHRP SECTION ID [ <u>1020</u> ]
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HIGHWAY RT. NO. (THIS COUNT) FAS 362 MILEPOST# (THIS COUNT) 0.00

LOCATION (THIS COUNT) JCT. US-95 & FAS-362 FUNCTIONAL CLASS 07  
 BEGINNING DATE 10-17-88 ENDING DATE 10-18-88  
 BEGINNING TIME 0600 ENDING TIME 2100 DURATION (HRS) 16

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 655 # TRUCKS 322 % TRUCKS 49%

NO. OF TRUCKS IN GPS LANE 161 % OF TRUCKS IN GPS LANE 50%

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

NOTE: IF THIS COUNT DOES NOT USE THE FHWA 13-BIN CLASSIFICATION SYSTEM USE SHEET 6. PLEASE ENTERED  
 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. APR 07 1992

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)	000331	000160	000160
2. FHWA CLASS 4 (Buses)	000001	000001	000001
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	000051	000023	000023
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	000008	000004	000004
5. FHWA CLASS 7 (4 or more Axle SU Truck)	000000	000000	000000
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	000010	000005	000005
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	000185	000090	000090
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	000002	000000	000000
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	000008	000003	000003
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	000016	000010	000010
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	000041	000025	000025
12. OTHER VEHICLES	000000	000000	000000
<b>GRAND TOTAL</b>	<b>000655</b>	<b>000321</b>	<b>000321</b>

NAME OF PREPARER CHARLES CEROCCE PHONE # (702) 687-3456  
 DATE PREPARED 11-1-90

Corrected 8/16/91  
 NTDB

ENTERED  
 21.9/91

## VEHICLE CLASSIFICATION DATA FHWA 13-CLASS SYSTEM

\*SHRP SECTION ID [ 1020 ]

VEHICLE CLASSIFICATION METHOD: FHWA ✓ OTHER        # BINS       

APR 07 1992

**TOTAL NUMBER**  
**OF VEHICLES**  
**GPS LANE**

- |        |        |        |
|--------|--------|--------|
| 000240 | 000120 | 000120 |
| 000001 | 000001 | 000001 |
| 000039 | 000020 | 000020 |
| 000007 | 000007 | 000007 |
| 000004 | 000003 | 000003 |
| 000009 | 000000 | 000000 |
| 000124 | 000052 | 000052 |
| 000002 | 000000 | 000000 |
| 000006 | 000004 | 000004 |
| 000001 | 000001 | 000001 |
| 000009 | 000007 | 000007 |
| 000000 | 000000 | 000000 |
| 000442 | 000215 | 000215 |

ENTERED

ENTERED  
21.9/91

**MAY 08 1991**

By \_\_\_\_\_