

SHEET 10 LTPP TRAFFIC DATA TRAFFIC VOLUME AND LOAD ESTIMATE UPDATE - NO SITE COUNT	*STATE ASSIGNED ID <u>[0013]</u> *STATE CODE <u>[21]</u> *SHRP SECTION ID <u>[1010]</u>
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1. ANNUAL TRAFFIC ESTIMATES

YEAR	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 / YR GPS LANE (1000's)
<u>1990</u>	<u>2225</u>	<u>120</u>	<u>1150</u>	<u>44</u>	<u>12.6</u>

2. METHOD FOR ESTIMATING TOTAL VEHICLE AADT (TWO-WAY)

- ☐ Growth factored last year's estimate.
☐ Estimated based on volume counts at nearby locations.
☐ Used computerized network analysis.
☒ Other ACTUAL COUNT

5. METHOD FOR ESTIMATING TOTAL TRUCKS, GPS LANE, AADT

- ☐ System distribution factors.
☒ Other 1990 CLASS. COUNT

3. METHOD FOR ESTIMATING TOTAL TRUCK AADT (TWO-WAY)

- ☐ Used system average from counts taken this year.
☐ Used count data from nearby sites.
☐ Used count data from previous years at GPS site.
☐ Used system averages from previous year counts.
☐ Used computerized network analysis.
☒ Other 1990 CLASS. COUNT

6. METHOD FOR ESTIMATING ESAL/YEAR IN GPS LANE

- ☒ ESAL/Truck factor.
☐ ESAL/vehicle class factors -
 Number of classes _____
☐ Other _____

4. METHOD FOR ESTIMATING TOTAL VEHICLES GPS LANE AADT

- ☐ System distribution factors.
☒ Other 1990 CLASS. COUNT

7. ESAL ESTIMATES - SOURCE OF DATA

- ☒ Prior years data collected at GPS site.
☐ Current year system average.
☐ Prior year system average.
☐ Historical W-4 tables.
☐ Other _____

8. WEIGHT SCALE TYPE

- ☒ WIM Scale.
☐ Static scale used for enforcement.
☐ Static scale not used for enforcement.
☐ Other _____

NAME OF PREPARER <u>ALLEN RUCKER</u>	PHONE # <u>(502) 564-7183</u>
DATE PREPARED <u>7-7-92</u>	

ESTIMATION OF EQUIVALENT AXLELOAD ACCUMULATIONS

COUNTY OWSLEYDATE 7-7-92

JUN 17 2008

NAME A. RuckerBY NG

ROUTE ID:

Road Name _____

Route No. 1911Classified ☒Project No. SARP 211010

Unclassified _____

Project Limits MP 13.200 (Southbound)Reference Stations OWSLEY RD. A13(90) 1990 EAL TABLES

Functional Class

<u>01</u> <u>Rural</u> Interstate	<u>11</u> <u>Urban</u> Interstate
<u>02</u> Principal Arterial	<u>12</u> Other Freeways & Expressways
<u>06</u> Minor Arterial	<u>14</u> Other Principal Arterial
<u>07</u> Major Collector	<u>16</u> Minor Arterial
<u>08</u> Minor Collector	<u>17</u> Collector
<u>09</u> Local	<u>19</u> Local

Percent Trucks Hauling Coal
☒ Less Than 3.0
☐ 3.0 or Greater

DATES: Base Year _____ Design Period (Years) _____ Project Midyear 1996

TRAFFIC PARAMETERS:

	Base Year Estimate	Annual Change (Fractions)	No. Years to Midyear	Increment	Base Year Estimate	Project Midyear Estimate
Volume (AADT)	_____ x	_____ x	_____ =	_____ +	_____ =	<u>1150</u>
Percent Trucks (%T)	_____ x	_____ x	_____ =	_____ +	_____ =	<u>3.8</u>
% Trucks Hauling Coal (%CT)	_____ x	_____ x	_____ =	_____ +	_____ =	_____
Non-Coal Trucks						
Axles/Truck (A/NCT)	_____ x	_____ x	_____ =	_____ +	_____ =	<u>2.669</u>
EAL's/Axle (EAL/NCA)	_____ x	_____ x	_____ =	_____ +	_____ =	<u>0.248</u>
Coal Trucks						
Axles/Truck (A/CT)	_____ x	_____ x	_____ =	_____ +	_____ =	_____
EAL's/Axle (EAL/CA)	_____ x	_____ x	_____ =	_____ +	_____ =	_____

DAILY EAL'S AT MIDYEAR:

4-Tired Vehicles:	$\frac{1150}{AADT} \times \frac{0.962}{1-(\%T/100)} \times 0.005$	=	<u>5.53</u>
Non-Coal Trucks:	$\frac{1150}{AADT} \times \frac{0.038}{(\%T/100)(1-\%CT/100)} \times \frac{2.669}{A/NCT} \times \frac{0.248}{EAL/NCA}$	=	<u>28.93</u>
Coal Trucks:	$\frac{AADT}{AADT} \times \frac{1}{(\%T/100)(\%CT/100)} \times \frac{A/CT}{A/CT} \times \frac{EAL/CA}{EAL/CA}$	=	_____
Total Midyear Daily EAL's			= <u>34.46</u>

DESIGN EAL'S:

<u>34.46</u>	x	365	x	$\frac{1}{\text{Design Period}}$	x	$\frac{\text{Lane Adjustment}}{\text{Lane Adjustment (1 or 2 Way)}}$	=	<u>12,578</u>
Midyear Daily EAL's (No. of Lanes _____)								

Lane Distribution Adjustments

L = 0.497 - (1.84 + 1.42 FT)(AADT)(10⁻⁴) for 4-lane roadways (Minimum value = 0.375)L = 0.427 - (2.308 + 1.75 FT)(AADT)(10⁻⁴) for 6-lane roadways (Minimum value = 0.25)

L = 0.50 for 2-lane roadways

SHEET 11
LTPP TRAFFIC DATA
VOLUME DATA
TRANSMITTAL FORM

*STATE ASSIGNED ID [0013]
*STATE CODE [21]
*SHRP SECTION ID [1010]

SCANNED
JUN 16 2008

HIGHWAY RT. NO. (THIS COUNT) KY-11 MILEPOST NO. (THIS COUNT) 13.3
LOCATION (THIS COUNT) owsley County, Northwest of the City of Booneville
FILENAME (Directory No.) 73 DISK/TAPE ID _____

BEGINNING DATE 12/1/90 BEGINNING TIME 00:00

ENDING DATE 12/31/90 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 X LOOPS _____ OTHER _____

EQUIPMENT MANUFACTURER / MODEL # SARATEC Trafi-Comp III 241

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 DON LAWSON PHONE # 502-564-7183
DATE PREPARED 1/22/91

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [0013] *STATE CODE [21] *SHRP SECTION ID [1010]
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HIGHWAY RT. NO. (THIS SESSION) KY-11 MILEPOST NO. (THIS SESSION) 13.3
 LOCATION (THIS COUNT) Owsley County, Northwest of the City of Booneville
 FILENAME (Directory No.) 73 DISK/TAPE ID _____

BEGINNING DATE 12/1/90 BEGINNING TIME 00:00

ENDING DATE 12/31/90 ENDING TIME 24:00

COUNT DURATION 1 [] HOURS [] DAYS [X] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER* _____ #BINS _____

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP, PLEASE ATTACH SHEET 6 DESCRIBING THE
 VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH SHEET 7 DESCRIBING HOW
 THE SHA WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 CLASS SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT X

EQUIPMENT MAKE/MODEL # SARATEC Trafi-Comp III 241

SENSOR TYPE _____

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES
 BY CLASSIFICATION.

GENERAL FACTORS _____

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OR CLASS GROUPS) _____

COMMENTS TO TEXT _____

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>DON LAWSON</u>	PHONE # <u>502-564-7183</u>
DATE PREPARED <u>1/22/91</u>	

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [0013] *STATE CODE [21] *SHRP SECTION ID [1010]
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HIGHWAY RT. NO. (THIS SESSION) KY-11 MILEPOST NO. (THIS SESSION) 13.3
 LOCATION (THIS COUNT) Owsley County, Northwest of the City of Booneville
 FILENAME C 211010. HDO **(DISK)** TAPE ID SHRP-1990-1

BEGINNING DATE 6/14/90 BEGINNING TIME 1100

ENDING DATE 6/21/90 ENDING TIME 1000

COUNT DURATION 6.7 [] HOURS [x] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER* #BINS

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP, PLEASE ATTACH SHEET 6 DESCRIBING THE
 VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH SHEET 7 DESCRIBING HOW
 THE SHA WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 CLASS SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE X PERMANENT

EQUIPMENT MAKE/MODEL # Saratec Trafi-Comp III 241

SENSOR TYPE

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES
 BY CLASSIFICATION.

GENERAL FACTORS

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OR CLASS GROUPS)

COMMENTS TO TEXT

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>DON LAWSON</u>	PHONE # <u>502-564-7183</u>
DATE PREPARED <u>4/3/91</u>	

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [0013] *STATE CODE [21] *SHRP SECTION ID [1010]
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HIGHWAY RT. NO. (THIS SESSION) KY-11

MILEPOST NO. OR LOCATION (THIS SESSION) 13.3 (in Owsley County)

FILENAME W211010.HDO (DISK)TAPE ID SHRP-1990-1

BEGINNING DATE 6/14/90 BEGINNING TIME 1000

ENDING DATE 6/21/90 ENDING TIME 1000

COUNT DURATION 7 [] HOURS [x] DAYS [] MONTHS

WEIGHT SCALE TYPE: PORT. WIM X PERM. WIM OTHER

EQUIPMENT MAKE/MODEL# Golden River 3081 Weighman

SENSOR TYPE Capacitive Weighman plus two Loops

COMMENTS _____

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>DON LAWSON</u>	PHONE # <u>502-564-7183</u>
DATE PREPARED <u>4/3/91</u>	