

| | |
|---|----------------------------------|
| SHEET 1 LTPP TRAFFIC DATA SUMMARY TRANSMITTAL FORM | *STATE ASSIGNED ID <u>[0031]</u> |
| | *STATE CODE <u>[21]</u> |
| | *SHRP SECTION ID <u>[3016]</u> |

STATE OR PROVINCE KENTUCKY COUNTY BULLITT
 HIGHWAY ROUTE NO. I-65 MILEPOST# 106.500
 NEAREST CITY/TOWN LEBANON JUNCTION NEAREST INTERSECTION KY 61
 FUNCTIONAL CLASS 01 NO. LANES EACH DIRECTION 3 TOTAL NO. LANES 6
 DIRECTION OF TRAVEL GPS LANE NORTH DATE OPENED TO TRAF. 11-15-85
 FIPS COUNTY CODE 029 FHWA STATION IDENTIFICATION NO. _____
 HPMS SAMPLE NO. 009065/03308 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
 Recast
 from 4
 6 lane
 to 11 lbs.
 11/85

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>A. Rucker</u> | PHONE # <u>564-7183</u> |
| DATE PREPARED <u>1-15-91</u> | |

SHEET 2
LTPP TRAFFIC DATA
TRAFFIC VOLUMES
AND LOAD ESTIMATES

*STATE ASSIGNED ID (0051)
 *STATE CODE (21)
 *SHRP SECTION ID (3016)

| YEAR | 1. ESTIMATED TOTAL VEHICLES AADT (TWO-WAY) | 2. ESTIMATED TOTAL TRUCK AADT (TWO-WAY) 33.7 | 3. ESTIMATED TOTAL VEHICLES AADT GPS LANE 18.6 | 4. ESTIMATED TOTAL TRUCKS AADT GPS LANE 47.2 | 5. ESTIMATED ESAL'S/YR GPS LANE (1000's) |
|------|--|---|---|---|--|
| 1989 | - 33500 | 11290 | 6230 | 2940 | 910.3 |
| 1988 | - 33000 | 11120 | 6140 | 2900 | 877.8 |
| 1987 | - 30800 | 10380 | 5730 | 2705 | 801.1 |
| 1986 | - 29800 | 10045 | 5545 | 2615 | 757.7 |
| 1985 | | | | | |
| 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 _____

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

*STATE ASSIGNED ID [0021]

*STATE CODE [21]

*SHRP SECTION ID [3016]

1. Year Applicable 1986, 87, 88, 89

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: USED 1990 CLASS CT.

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☒ Based on actual lane count data. 1990 CLASS CT.
- ☐ System distribution factors.
- ☐ Other: _____

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☒ Based on actual lane count data. 1990 CLASS CT.
- ☐ System distribution factors.
- ☐ Other: _____

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.
- ☐ ESAL/Vehicle class. (no. of classes) _____
- ☒ Other: USED NY'S ESAL ESTIMATION METHOD

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: USED NY'S ESAL ESTIMATION METHOD

(B) Weight Scale Type

- ☒ WIM scale. 1990
- ☐ Static scale used for enforcement.
- ☐ Static scale not used for enforcement.
- ☐ Other: _____

NAME OF PREPARER A. RUCKERDATE PREPARED 1-15-91PHONE # 502 564-7183

SHEET 8

LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA
FHWA 13-CLASS SYSTEM

*STATE ASSIGNED ID [0051]

*STATE CODE [21]

*SHRP SECTION ID [3016]

HIGHWAY RT. NO. (THIS COUNT) 2-65 MILEPOST# (THIS COUNT) 106-500LOCATION (THIS COUNT) MP 106-500 FUNCTIONAL CLASS 01BEGINNING DATE 9-10-90 ENDING DATE 9-13-90BEGINNING TIME 8:00 PM ENDING TIME 8:15 PM DURATION (HRS) 24TYPE 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 27957 # TRUCKS 9412 % TRUCKS 33.7NO. OF TRUCKS IN GPS LANE 2455 % OF TRUCKS IN GPS LANE 47.2VEHICLE CLASSIFICATION METHOD: FHWA ☒ OTHER ☐ # 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) | <u>18545</u> | <u>8603</u> | <u>2741</u> |
| 2. FHWA CLASS 4 (Buses) | <u>56</u> | <u>30</u> | <u>7</u> |
| 3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck) | <u>1027</u> | <u>485</u> | <u>289</u> |
| 4. FHWA CLASS 6 (3 AXLE SU TRUCK) | <u>100</u> | <u>55</u> | <u>42</u> |
| 5. FHWA CLASS 7 (4 or more Axle SU Truck) | <u>41</u> | <u>18</u> | <u>14</u> |
| 6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck) | <u>152</u> | <u>99</u> | <u>65</u> |
| 7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck) | <u>7558</u> | <u>3546</u> | <u>1883</u> |
| 8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck) | <u>40</u> | <u>24</u> | <u>17</u> |
| 9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck) | <u>377</u> | <u>202</u> | <u>138</u> |
| 10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck) | <u>11</u> | <u>0</u> | <u>0</u> |
| 11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck) | <u>0</u> | <u>0</u> | <u>0</u> |
| 12. OTHER VEHICLES | <u>0</u> | <u>0</u> | <u>0</u> |
| GRAND TOTAL | <u>27957</u> | <u>13062</u> | <u>5196</u> |

NAME OF PREPARER A. RUCKERPHONE # 502 564-7183DATE PREPARED 1-15-91

BY [Signature]

LOCATION I-65 in BULLITT CO. TYPE EQUIP. PAT BENDING PLATE
 NP # 106.5 MODEL # DAW 200

[illegible]

ESTIMATION OF EQUIVALENT AXLELOAD ACCUMULATIONS

COUNTY BOLLITTDATE 1-15-91NAME A. Ruckel

ROUTE ID:

Road Name _____

Route No. I-65Classified ☒Project No. SHED 213016

Unclassified _____

Project Limits MP 106.500Reference Stations BOLLITT CO. STA 507(90) 1989 EAL TABLES

| Functional Class | | |
|---|---------------------------------|--|
| Rural | Urban | |
| <input checked="" type="checkbox"/> 01 Interstate | 11 Interstate | |
| 02 Principal Arterial | 12 Other Freeways & Expressways | |
| 06 Minor Arterial | 14 Other Principal Arterial | |
| 07 Major Collector | 16 Minor Arterial | |
| 08 Minor Collector | 17 Collector | |
| 09 Local | 19 Local | |

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

DATES: Base Year _____ Design Period (Years) _____ Project Midyear 1989

TRAFFIC PARAMETERS:

| | Base Year Estimate | Annual Change (Fractions) | No. Years to Midyear | Increment | Base Year Estimate | Project Midyear Estimate |
|-----------------------------|-----------------------|---------------------------------|-------------------------|-----------|--------------------------|--------------------------------|
| Volume (AADT) | _____ x | _____ x | _____ = | _____ + | _____ = | <u>6230</u> |
| Percent Trucks (%T) | _____ x | _____ x | _____ = | _____ + | _____ = | <u>47.2</u> |
| % Trucks Hauling Coal (%CT) | _____ x | _____ x | _____ = | _____ + | _____ = | _____ |
| Non-Coal Trucks | | | | | | |
| Axles/Truck (A/NCT) | _____ x | _____ x | _____ = | _____ + | _____ = | <u>4,579</u> |
| EAL's/Axle (EAL/NCA) | _____ x | _____ x | _____ = | _____ + | _____ = | <u>0.184</u> |
| Coal Trucks | | | | | | |
| Axles/Truck (A/CT) | _____ x | _____ x | _____ = | _____ + | _____ = | _____ |
| EAL's/Axle (EAL/CA) | _____ x | _____ x | _____ = | _____ + | _____ = | _____ |

DAILY EAL'S AT MIDYEAR:

$$\begin{aligned}
 & \text{4-Tired Vehicles: } \frac{6230}{\text{AADT}} \times \frac{0.528}{1-(\%T/100)} \times 0.005 = \underline{16.45} \\
 & \text{Non-Coal Trucks: } \frac{6230}{\text{AADT}} \times \frac{0.472}{(\%T/100)(1-\%CT/100)} \times \frac{4,579}{\text{A/NCT}} \times \frac{0.184}{\text{EAL/NCA}} = \underline{2477.53} \\
 & \text{Coal Trucks: } \frac{\text{AADT}}{\text{AADT}} \times \frac{\text{A/CT}}{(\%T/100)(\%CT/100)} \times \frac{\text{EAL/CA}}{\text{EAL/CA}} = \underline{\quad\quad\quad} \\
 & \text{Total Midyear Daily EAL's} = \underline{2493.98}
 \end{aligned}$$

DESIGN EAL'S:

$$\begin{aligned}
 & \frac{2493.98}{\text{Midyear Daily EAL's}} \times 365 \times \frac{1}{\text{Design Period}} \times \frac{\text{Lane Adjustment}}{\text{(1 or 2 Way)}} = \underline{910,303}
 \end{aligned}$$

Lane Distribution Adjustments

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

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

L = 0.50 for 2-lane roadways

ESTIMATION OF EQUIVALENT AXLELOAD ACCUMULATIONS

COUNTY BULLITTDATE 1-15-91NAME A. Rucker

ROUTE ID:

Road Name _____

Route No. 5-65Classified ☒Project No. SHRD 213016

Unclassified _____

Project Limits MP 106.500Reference Stations BULLITT CO. STA 507 (90) 1989 EAL TABLES

| Functional Class | |
|---|---------------------------------|
| Rural | Urban |
| <input checked="" type="checkbox"/> 01 Interstate | 11 Interstate |
| 02 Principal Arterial | 12 Other Freeways & Expressways |
| 06 Minor Arterial | 14 Other Principal Arterial |
| 07 Major Collector | 16 Minor Arterial |
| 08 Minor Collector | 17 Collector |
| 09 Local | 19 Local |

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

 DATES: Base Year _____ Design Period (Years) _____ Project Midyear 1988

TRAFFIC PARAMETERS:

| | Base Year Estimate | Annual Change (Fractions) | No. Years to Midyear | Increment | Base Year Estimate | Project Midyear Estimate |
|-----------------------------|-----------------------|---------------------------------|-------------------------|-----------|--------------------------|--------------------------------|
| Volume (AADT) | _____ x | _____ x | _____ = | _____ + | _____ = | <u>6140</u> |
| Percent Trucks (%T) | _____ x | _____ x | _____ = | _____ + | _____ = | <u>47.2</u> |
| % Trucks Hauling Coal (%CT) | _____ x | _____ x | _____ = | _____ + | _____ = | _____ |
| Non-Coal Trucks | | | | | | |
| Axles/Truck (A/NCT) | _____ x | _____ x | _____ = | _____ + | _____ = | <u>4.579</u> |
| EAL's/Axle (EAL/NCA) | _____ x | _____ x | _____ = | _____ + | _____ = | <u>0.180</u> |
| Coal Trucks | | | | | | |
| Axles/Truck (A/CT) | _____ x | _____ x | _____ = | _____ + | _____ = | _____ |
| EAL's/Axle (EAL/CA) | _____ x | _____ x | _____ = | _____ + | _____ = | _____ |

DAILY EAL'S AT MIDYEAR:

| | | | |
|---------------------------|--|---|------------------|
| 4-Tired Vehicles: | $\frac{6140}{AADT} \times \frac{0.528}{1-(\%T/100)} \times 0.005$ | = | <u>16.21</u> |
| Non-Coal Trucks: | $\frac{6140}{AADT} \times \frac{0.472}{(\%T/100)(1-\%CT/100)} \times \frac{4.579}{A/NCT} \times \frac{0.180}{EAL/NCA}$ | = | <u>2388.66</u> |
| Coal Trucks: | $\frac{AADT}{AADT} \times \frac{0.472}{(\%T/100)(\%CT/100)} \times \frac{A/CT}{A/NCT} \times \frac{EAL/CA}{EAL/NCA}$ | = | _____ |
| Total Midyear Daily EAL's | | | = <u>2404.87</u> |

DESIGN EAL'S:

| | | | | | | | | |
|---------------------|----------|---------------|---|-----------------|---|--------------|---|----------------|
| <u>2404.87</u> | x | 365 | x | <u>1</u> | x | _____ | = | <u>877,778</u> |
| Midyear Daily EAL's | | Design Period | | Lane Adjustment | | (1 or 2 Way) | | |
| (No. of Lanes) | <u>1</u> | | | <u>1</u> | | | | |

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

ESTIMATION OF EQUIVALENT AXLELOAD ACCUMULATIONS

COUNTY BULLITTDATE 1-15-91NAME A. ROCKGK

ROUTE ID:

Road Name _____

Route No. I-65Classified ☒Project No. SHRP 213016

Unclassified _____

Project Limits MP 106.500Reference Stations BULLITT CO. STA. 507(90) 1989 GAL TABLES

| Functional Class | | |
|---|--|--|
| Rural | Urban | |
| <input checked="" type="checkbox"/> 01 Interstate | <input type="checkbox"/> 11 Interstate | |
| <input type="checkbox"/> 02 Principal Arterial | <input type="checkbox"/> 12 Other Freeways & Expressways | |
| <input type="checkbox"/> 06 Minor Arterial | <input type="checkbox"/> 14 Other Principal Arterial | |
| <input type="checkbox"/> 07 Major Collector | <input type="checkbox"/> 16 Minor Arterial | |
| <input type="checkbox"/> 08 Minor Collector | <input type="checkbox"/> 17 Collector | |
| <input type="checkbox"/> 09 Local | <input type="checkbox"/> 19 Local | |

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

DATES: Base Year _____ Design Period (Years) _____ Project Midyear 1987

TRAFFIC PARAMETERS:

| | Base Year Estimate | Annual Change (Fractions) | No. Years to Midyear | Increment | Base Year Estimate | Project Midyear Estimate |
|-----------------------------|-----------------------|---------------------------------|-------------------------|-----------|--------------------------|--------------------------------|
| Volume (AADT) | _____ x | _____ x | _____ = | _____ + | _____ = | <u>5730</u> |
| Percent Trucks (%T) | _____ x | _____ x | _____ = | _____ + | _____ = | <u>47.2</u> |
| % Trucks Hauling Coal (%CT) | _____ x | _____ x | _____ = | _____ + | _____ = | _____ |
| Non-Coal Trucks | | | | | | |
| Axles/Truck (A/NCT) | _____ x | _____ x | _____ = | _____ + | _____ = | <u>4,579</u> |
| EAL's/Axle (EAL/NCA) | _____ x | _____ x | _____ = | _____ + | _____ = | <u>0.176</u> |
| Coal Trucks | | | | | | |
| Axles/Truck (A/CT) | _____ x | _____ x | _____ = | _____ + | _____ = | _____ |
| EAL's/Axle (EAL/CA) | _____ x | _____ x | _____ = | _____ + | _____ = | _____ |

DAILY EAL'S AT MIDYEAR:

$$\begin{aligned}
 & \text{4-Tired Vehicles: } \frac{5730}{\text{AADT}} \times \frac{0.528}{1-(\%T/100)} \times 0.005 = \underline{15.13} \\
 & \text{Non-Coal Trucks: } \frac{5730}{\text{AADT}} \times \frac{0.472}{(\%T/100)(1-\%CT/100)} \times \frac{4,579}{\text{A/NCT}} \times \frac{0.176}{\text{EAL/NCA}} = \underline{2179.62} \\
 & \text{Coal Trucks: } \frac{\text{AADT}}{\text{AADT}} \times \frac{\text{EAL/CA}}{(\%T/100)(\%CT/100)} \times \frac{\text{A/CT}}{\text{A/CT}} \times \frac{\text{EAL/CA}}{\text{EAL/CA}} = \underline{\quad\quad\quad} \\
 & \text{Total Midyear Daily EAL's} = \underline{2194.75}
 \end{aligned}$$

DESIGN EAL'S:

$$\begin{aligned}
 & \frac{2194.75}{\text{Midyear Daily EAL's}} \times 365 \times \frac{1}{\text{Design Period}} \times \frac{\text{Lane Adjustment}}{\text{Lane Adjustment}} = \underline{801,084} \\
 & \text{(No. of Lanes } \underline{1} \text{) (1 or 2 Way } \underline{1} \text{)}
 \end{aligned}$$

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

ESTIMATION OF EQUIVALENT AXLELOAD ACCUMULATIONS

COUNTY BULLITTDATE 1-15-91NAME A. RUCKER

ROUTE ID:

Road Name _____

Route No. E-65Classified ✓Project No. SHRP 213016

Unclassified _____

Project Limits MP 106.500Reference Stations BULLITT CO. STA. 507 (90) 1989 EAL TABLES

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

Percent Trucks Hauling Coal
☒ Less Than 3.0
☐ 3.0 or GreaterDATES: Base Year _____ Design Period (Years) _____ Project Midyear 1986

TRAFFIC PARAMETERS:

| | Base Year Estimate | Annual Change (Fractions) | No. Years to Midyear | Increment | Base Year Estimate | Project Midyear Estimate |
|-----------------------------|-----------------------|---------------------------------|-------------------------|-----------|--------------------------|--------------------------------|
| Volume (AADT) | _____ x | _____ x | _____ = | _____ + | _____ = | <u>5545</u> |
| Percent Trucks (%T) | _____ x | _____ x | _____ = | _____ + | _____ = | <u>47.2</u> |
| % Trucks Hauling Coal (%CT) | _____ x | _____ x | _____ = | _____ + | _____ = | _____ |
| Non-Coal Trucks | | | | | | |
| Axles/Truck (A/NCT) | _____ x | _____ x | _____ = | _____ + | _____ = | <u>4.579</u> |
| EAL's/Axle (EAL/NCA) | _____ x | _____ x | _____ = | _____ + | _____ = | <u>0.172</u> |
| Coal Trucks | | | | | | |
| Axles/Truck (A/CT) | _____ x | _____ x | _____ = | _____ + | _____ = | _____ |
| EAL's/Axle (EAL/CA) | _____ x | _____ x | _____ = | _____ + | _____ = | _____ |

DAILY EAL'S AT MIDYEAR:

$$\begin{aligned}
 & \text{4-Tired Vehicles: } \frac{5545}{\text{AADT}} \times \frac{0.528}{1-(\%T/100)} \times 0.005 = \underline{14.64} \\
 & \text{Non-Coal Trucks: } \frac{5545}{\text{AADT}} \times \frac{0.472}{(\%T/100)(1-\%CT/100)} \times \frac{4.579}{\text{A/NCT}} \times \frac{0.172}{\text{EAL/NCA}} = \underline{2061.31} \\
 & \text{Coal Trucks: } \frac{\text{AADT}}{\text{AADT}} \times \frac{\text{EAL/CA}}{(\%T/100)(\%CT/100)} \times \frac{\text{A/CT}}{\text{A/CT}} \times \frac{\text{EAL/CA}}{\text{EAL/CA}} = \underline{\quad\quad\quad} \\
 & \text{Total Midyear Daily EAL's} = \underline{2075.95}
 \end{aligned}$$

DESIGN EAL'S:

$$\begin{aligned}
 & \frac{2075.95}{\text{Midyear Daily EAL's (No. of Lanes)}} \times 365 \times \frac{1}{\text{Design Period}} \times \frac{\text{Lane Adjustment (1 or 2 Way)}}{\text{Lane Adjustment (1 or 2 Way)}} = \underline{757,122}
 \end{aligned}$$

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