

SHEET 5

## LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA  
FHWA 13-CLASS SYSTEM

STATE ASSIGNED ID [ \_ \_ \_ \_ ]

STATE CODE [ 20 ]

SHRP SECTION ID [ 0100 ]

HIGHWAY RT. NO. (THIS COUNT) \_\_\_\_\_ MILEPOST# (THIS COUNT) \_\_\_\_\_

LOCATION (THIS COUNT) By Fun Class Ave FUNCTIONAL CLASS 02BEGINNING DATE 1993 ENDING DATE \_\_\_\_\_

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

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 X 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>1653</u>
2. FHWA CLASS 4 (Buses)	_____	_____	<u>2</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	_____	_____	<u>148</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	_____	_____	<u>78</u>
5. FHWA CLASS 7 (4 or more Axle SU Truck)	_____	_____	<u>0</u>
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	_____	_____	<u>25</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	_____	_____	<u>262</u>
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	_____	_____	<u>0</u>
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	_____	_____	<u>22</u>
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	_____	_____	<u>2</u>
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	_____	_____	<u>0</u>
12. OTHER VEHICLES	_____	_____	<u>0</u>
GRAND TOTAL	_____	_____	<u>2192</u>

NAME OF PREPARER Mark Medina PHONE # 785-296 6357DATE PREPARED 3-14-01

## SHEET 5

## LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA  
FHWA 13-CLASS SYSTEM

STATE ASSIGNED ID [ \_ \_ \_ \_ ]

STATE CODE [ 20 ]SHRP SECTION ID [ 0100 ]HIGHWAY RT. NO. (THIS COUNT) K-61 MILEPOST# (THIS COUNT) \_\_\_\_\_LOCATION (THIS COUNT) 740TC6 3 MILE of Langdon FUNCTIONAL CLASS 02BEGINNING DATE 5-22-94 ENDING DATE 5-29-94BEGINNING TIME 15:00 ENDING TIME 15:00 DURATION (HRS) 48TYPE OF COUNT: MANUAL \_\_\_\_\_ AUTOMATED X NO. OF LANES COUNTED 2TYPE OF EQUIP.: AVC PERM. \_\_\_\_\_ AVC PORT. \_\_\_\_\_ WIM PERM. \_\_\_\_\_ WIM PORT. XEQUIPMENT NAME / MODEL # Travelo TDL-500TOTAL NO. OF VEHICLES CLASSIFIED 3464 # TRUCKS 1106 % TRUCKS 32NO. OF TRUCKS IN GPS LANE 476 % OF TRUCKS IN GPS LANE 43VEHICLE CLASSIFICATION METHOD: FHWA X 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>1737</u>
2. FHWA CLASS 4 (Buses)	_____	_____	<u>5</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	_____	_____	<u>40</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	_____	_____	<u>40</u>
5. FHWA CLASS 7 (4 or more Axle SU Truck)	_____	_____	<u>5</u>
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	_____	_____	<u>19</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	_____	_____	<u>282</u>
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	_____	_____	<u>18</u>
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	_____	_____	<u>32</u>
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	_____	_____	<u>5</u>
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	_____	_____	<u>4</u>
12. OTHER VEHICLES	_____	_____	<u>0</u>
GRAND TOTAL	_____	_____	<u>2187</u>

NAME OF PREPARER Mark Maddux PHONE # 285-296-6357DATE PREPARED 3-14-01

SCANNED  
JUN 10 2008  
BY *AB*

<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>20</u> ] SHRP SECTION ID [ <u>0100</u> ]
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HIGHWAY RT. NO. (THIS COUNT) 16-61 MILEPOST# (THIS COUNT) \_\_\_\_\_

LOCATION (THIS COUNT) 3 mi NE of London FUNCTIONAL CLASS 02

BEGINNING DATE \_\_\_\_\_ ENDING DATE \_\_\_\_\_

BEGINNING TIME \_\_\_\_\_ ENDING TIME \_\_\_\_\_ DURATION (HRS) 4E

TYPE OF COUNT: MANUAL \_\_\_\_\_ AUTOMATED \_\_\_\_\_ NO. OF LANES COUNTED 2

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

EQUIPMENT NAME / MODEL # Traveler TDL-500

TOTAL NO. OF VEHICLES CLASSIFIED 4256 # TRUCKS 1595 % TRUCKS 37.5

NO. OF TRUCKS IN GPS LANE 712 % OF TRUCKS IN GPS LANE 44.6

VEHICLE CLASSIFICATION METHOD: FHWA X 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>1746</u>
2. FHWA CLASS 4 (Buses)	_____	_____	<u>2</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	_____	_____	<u>118</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	_____	_____	<u>35</u>
5. FHWA CLASS 7 (4 or more Axle SU Truck)	_____	_____	<u>2</u>
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	_____	_____	<u>22</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	_____	_____	<u>523</u>
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	_____	_____	<u>13</u>
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	_____	_____	<u>33</u>
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	_____	_____	<u>8</u>
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	_____	_____	<u>2</u>
12. OTHER VEHICLES	_____	_____	<u>0</u>
<u>757</u> GRAND TOTAL	_____	_____	<u>2503</u>

NAME OF PREPARER _____	PHONE # _____
DATE PREPARED _____	

## SHEET 5

## LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA  
FHWA 13-CLASS SYSTEM

STATE ASSIGNED ID [ \_\_\_\_\_ ]

STATE CODE [ 20 ]

SHRP SECTION ID [ 0100 ]

HIGHWAY RT. NO. (THIS COUNT) K-61 MILEPOST# (THIS COUNT) \_\_\_\_\_LOCATION (THIS COUNT) 3 Mi. NE of Langdon FUNCTIONAL CLASS 02BEGINNING DATE 5-27-94 ENDING DATE 5-29-94BEGINNING TIME 15:00 ENDING TIME 15:00 DURATION (HRS) 48TYPE OF COUNT: MANUAL \_\_\_\_\_ AUTOMATED X NO. OF LANES COUNTED 2TYPE OF EQUIP.: AVC PERM. \_\_\_\_\_ AVC PORT. \_\_\_\_\_ WIM PERM. \_\_\_\_\_ WIM PORT. XEQUIPMENT NAME / MODEL # Traveler TDL-500TOTAL NO. OF VEHICLES CLASSIFIED 3464 # TRUCKS 1106 % TRUCKS 32NO. OF TRUCKS IN GPS LANE 476 % OF TRUCKS IN GPS LANE 43VEHICLE CLASSIFICATION METHOD: FHWA X 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>1737</u>
2. FHWA CLASS 4 (Buses)	_____	_____	<u>5</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	_____	_____	<u>40</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	_____	_____	<u>40</u>
5. FHWA CLASS 7 (4 or more Axle SU Truck)	_____	_____	<u>5</u>
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	_____	_____	<u>19</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	_____	_____	<u>282</u>
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	_____	_____	<u>18</u>
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	_____	_____	<u>33</u>
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	_____	_____	<u>5</u>
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	_____	_____	<u>4</u>
12. OTHER VEHICLES	_____	_____	<u>0</u>
GRAND TOTAL	_____	_____	<u>2187</u>

NAME OF PREPARER Mark Madine PHONE # 785-296 6552DATE PREPARED 3-14-61

## SHEET 5

## LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA  
FHWA 13-CLASS SYSTEM

STATE ASSIGNED ID [ \_\_\_\_\_ ]

STATE CODE [ 20 ]

SHRP SECTION ID [ 0100 ]

HIGHWAY RT. NO. (THIS COUNT) US-54 MILEPOST# (THIS COUNT) \_\_\_\_\_LOCATION (THIS COUNT) RS-454 3.2 mi. west of Mankato FUNCTIONAL CLASS 02BEGINNING DATE 9-12-95 ENDING DATE 9-14-95BEGINNING TIME 10:00 ENDING TIME 10:00 DURATION (HRS) 48TYPE OF COUNT: MANUAL \_\_\_\_\_ AUTOMATED X NO. OF LANES COUNTED 2TYPE OF EQUIP.: AVC PERM. \_\_\_\_\_ AVC PORT \_\_\_\_\_ WIM PERM. \_\_\_\_\_ WIM PORT. XEQUIPMENT NAME / MODEL # Traveler TDL-500TOTAL NO. OF VEHICLES CLASSIFIED 5485 # TRUCKS 2249 % TRUCKS 41NO. OF TRUCKS IN GPS LANE 445 1018 % OF TRUCKS IN GPS LANE 45.3VEHICLE CLASSIFICATION METHOD: FHWA X 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>1836</u>
2. FHWA CLASS 4 (Buses)	_____	_____	<u>4</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	_____	_____	<u>56</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	_____	_____	<u>39</u>
5. FHWA CLASS 7 (4 or more Axle SU Truck)	_____	_____	<u>2</u>
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	_____	_____	<u>27</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	_____	_____	<u>324</u>
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	_____	_____	<u>7</u>
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	_____	_____	<u>32</u>
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	_____	_____	<u>7</u>
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	_____	_____	<u>0</u>
12. OTHER VEHICLES	_____	_____	<u>0</u>
GRAND TOTAL	_____	_____	<u>2334</u>

NAME OF PREPARER MARIE MADDOUX PHONE # 785-256-6352DATE PREPARED 9-12-95

<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>20</u> ]  SHRP SECTION ID [ <u>0100</u> ]
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HIGHWAY RT. NO. (THIS COUNT) 16-61 MILEPOST# (THIS COUNT) \_\_\_\_\_

LOCATION (THIS COUNT) 3 mi NE of London FUNCTIONAL CLASS 02

BEGINNING DATE \_\_\_\_\_ ENDING DATE \_\_\_\_\_

BEGINNING TIME \_\_\_\_\_ ENDING TIME \_\_\_\_\_ DURATION (HRS) 48

TYPE OF COUNT: MANUAL \_\_\_\_\_ AUTOMATED \_\_\_\_\_ NO. OF LANES COUNTED 2

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

EQUIPMENT NAME / MODEL # Traveler TDL-500

TOTAL NO. OF VEHICLES CLASSIFIED 4256 # TRUCKS 1595 % TRUCKS 37.5

NO. OF TRUCKS IN GPS LANE 712 % OF TRUCKS IN GPS LANE 44.6

VEHICLE CLASSIFICATION METHOD: FHWA X 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>1746</u>
2. FHWA CLASS 4 (Buses)	_____	_____	<u>2</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	_____	_____	<u>118</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	_____	_____	<u>35</u>
5. FHWA CLASS 7 (4 or more Axle SU Truck)	_____	_____	<u>2</u>
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	_____	_____	<u>22</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	_____	_____	<u>523</u>
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	_____	_____	<u>13</u>
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	_____	_____	<u>33</u>
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	_____	_____	<u>8</u>
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	_____	_____	<u>2</u>
12. OTHER VEHICLES	_____	_____	<u>0</u>
<b>GRAND TOTAL</b>	_____	_____	<u>2503</u>

NAME OF PREPARER \_\_\_\_\_ PHONE # \_\_\_\_\_  
DATE PREPARED \_\_\_\_\_

SHEET 5

## LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA  
FHWA 13-CLASS SYSTEM

STATE ASSIGNED ID [ \_\_\_\_\_ ]

STATE CODE [ 20 ]

SHRP SECTION ID [ 0100 ]

HIGHWAY RT. NO. (THIS COUNT) 12-61 MILEPOST# (THIS COUNT) \_\_\_\_\_LOCATION (THIS COUNT) 3 mi. Nc of Longdon FUNCTIONAL CLASS 02BEGINNING DATE 6-22-97 ENDING DATE 6-4-97BEGINNING TIME 14:00 ENDING TIME 14:00 DURATION (HRS) 48TYPE OF COUNT: MANUAL \_\_\_\_\_ AUTOMATED X NO. OF LANES COUNTED 2TYPE OF EQUIP.: AVC PERM. \_\_\_\_\_ AVC PORT. \_\_\_\_\_ WIM PERM. \_\_\_\_\_ WIM PORT. XEQUIPMENT NAME / MODEL # Travel's 7DL-500

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

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

VEHICLE CLASSIFICATION METHOD: FHWA X 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>1742</u>
2. FHWA CLASS 4 (Buses)	_____	_____	<u>6</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	_____	_____	<u>78</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	_____	_____	<u>20</u>
5. FHWA CLASS 7 (4 or more Axle SU Truck)	_____	_____	<u>3</u>
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	_____	_____	<u>28</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	_____	_____	<u>400</u>
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	_____	_____	<u>10</u>
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	_____	_____	<u>30</u>
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	_____	_____	<u>7</u>
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	_____	_____	<u>0</u>
12. OTHER VEHICLES	_____	_____	<u>0</u>
GRAND TOTAL	_____	_____	<u>2324</u>

NAME OF PREPARER Mark Proctor PHONE # 781-246-6852DATE PREPARED 3-14-98

SHEET 5

## LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA  
FHWA 13-CLASS SYSTEM

STATE ASSIGNED ID [ ]

STATE CODE [20]

SHRP SECTION ID [0100]

HIGHWAY RT. NO. (THIS COUNT) 54 MILEPOST# (THIS COUNT) \_\_\_\_\_LOCATION (THIS COUNT) by Funck Ave FUNCTIONAL CLASS 02

BEGINNING DATE \_\_\_\_\_ ENDING DATE \_\_\_\_\_

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

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

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

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 X 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>1824</u>
2. FHWA CLASS 4 (Buses)	_____	_____	<u>3</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	_____	_____	<u>192</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	_____	_____	<u>26</u>
5. FHWA CLASS 7 (4 or more Axle SU Truck)	_____	_____	<u>6</u>
6. FHWA CLASS 8 (4 or less axle 1-Trlr. Truck)	_____	_____	<u>33</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr. Truck)	_____	_____	<u>221</u>
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr. Truck)	_____	_____	<u>14</u>
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr. Truck)	_____	_____	<u>1</u>
10. FHWA CLASS 12 (6 Axle, Multi-Trlr. Truck)	_____	_____	<u>3</u>
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr. Truck)	_____	_____	<u>1</u>
12. OTHER VEHICLES	_____	_____	<u>0</u>
GRAND TOTAL	_____	_____	<u>2324</u>

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

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



## SHEET 5

## LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA  
FHWA 13-CLASS SYSTEM

STATE ASSIGNED ID [ \_ \_ \_ \_ ]

STATE CODE [ 20 ]

SHRP SECTION ID [ 0100 ]

HIGHWAY RT. NO. (THIS COUNT) 12-61 MILEPOST# (THIS COUNT) \_\_\_\_\_LOCATION (THIS COUNT) 740TC6 3 mi Nw of Langdon FUNCTIONAL CLASS 02BEGINNING DATE 6-02-97 ENDING DATE 6-11-97BEGINNING TIME 14:00 ENDING TIME 14:00 DURATION (HRS) 48TYPE OF COUNT: MANUAL \_\_\_\_\_ AUTOMATED X NO. OF LANES COUNTED 2TYPE OF EQUIP.: AVC PERM. \_\_\_\_\_ AVC PORT \_\_\_\_\_ WIM PERM. \_\_\_\_\_ WIM PORT. XEQUIPMENT NAME / MODEL # Truvelo TDL-500

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

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

VEHICLE CLASSIFICATION METHOD: FHWA X 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>1742</u>
2. FHWA CLASS 4 (Buses)	_____	_____	<u>6</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	_____	_____	<u>78</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	_____	_____	<u>20</u>
5. FHWA CLASS 7 (4 or more Axle SU Truck)	_____	_____	<u>3</u>
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	_____	_____	<u>28</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	_____	_____	<u>400</u>
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	_____	_____	<u>10</u>
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	_____	_____	<u>30</u>
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	_____	_____	<u>7</u>
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	_____	_____	<u>0</u>
12. OTHER VEHICLES <u>582</u>	_____	_____	<u>0</u>
GRAND TOTAL	_____	_____	<u>2324</u>

NAME OF PREPARER Mark Mellick PHONE # 785-296-6357DATE PREPARED 3-14-01

<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>20</u> ]  SHRP SECTION ID [ <u>0100</u> ]
---	--

HIGHWAY RT. NO. (THIS COUNT) 54 MILEPOST# (THIS COUNT) \_\_\_\_\_

LOCATION (THIS COUNT) by Fun CL Ave FUNCTIONAL CLASS 02

BEGINNING DATE \_\_\_\_\_ ENDING DATE \_\_\_\_\_

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

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

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

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 X 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)	_____	_____	1824
2. FHWA CLASS 4 (Buses)	_____	_____	3
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	_____	_____	192
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	_____	_____	26
5. FHWA CLASS 7 (4 or more Axle SU Truck)	_____	_____	6
6. FHWA CLASS 8 (4 or less axle 1-Trlr. Truck)	_____	_____	33
7. FHWA CLASS 9 (5 Axle, 1-Trlr. Truck)	_____	_____	221
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr. Truck)	_____	_____	14
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr. Truck)	_____	_____	1
10. FHWA CLASS 12 (6 Axle, Multi-Trlr. Truck)	_____	_____	3
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr. Truck)	_____	_____	1
12. OTHER VEHICLES <u>500</u>	_____	_____	0
<b>GRAND TOTAL</b>	_____	_____	2324

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

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

## SHEET 5

## LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA  
FHWA 13-CLASS SYSTEM

STATE ASSIGNED ID [ \_ \_ \_ \_ ]

STATE CODE [ 20 ]

SHRP SECTION ID [ 0100 ]

HIGHWAY RT. NO. (THIS COUNT) US-54 MILEPOST# (THIS COUNT) \_\_\_\_\_LOCATION (THIS COUNT) RS-454 3.2 mi. west of Meads FUNCTIONAL CLASS 02BEGINNING DATE 9-12-95 ENDING DATE 9-14-95BEGINNING TIME 10:00 ENDING TIME 10:00 DURATION (HRS) 48TYPE OF COUNT: MANUAL \_\_\_\_\_ AUTOMATED X NO. OF LANES COUNTED 2TYPE OF EQUIP.: AVC PERM. \_\_\_\_\_ AVC PORT. \_\_\_\_\_ WIM PERM. \_\_\_\_\_ WIM PORT. XEQUIPMENT NAME / MODEL # Traveler TDL-500TOTAL NO. OF VEHICLES CLASSIFIED 5485 # TRUCKS 2249 % TRUCKS 41NO. OF TRUCKS IN GPS LANE 445 1018 % OF TRUCKS IN GPS LANE 45.3VEHICLE CLASSIFICATION METHOD: FHWA X 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>1836</u>
2. FHWA CLASS 4 (Buses)	_____	_____	<u>4</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	_____	_____	<u>56</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	_____	_____	<u>39</u>
5. FHWA CLASS 7 (4 or more Axle SU Truck)	_____	_____	<u>2</u>
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	_____	_____	<u>27</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	_____	_____	<u>324</u>
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	_____	_____	<u>7</u>
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	_____	_____	<u>32</u>
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	_____	_____	<u>7</u>
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	_____	_____	<u>0</u>
12. OTHER VEHICLES	_____	_____	<u>0</u>
GRAND TOTAL	_____	_____	<u>2334</u>

NAME OF PREPARER MARK MADDOX PHONE # 785-296-6357DATE PREPARED 9-12-95

## SHEET 5

## LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA  
FHWA 13-CLASS SYSTEM

STATE ASSIGNED ID [ \_ \_ \_ \_ ]

STATE CODE [ 20 ]

SHRP SECTION ID [ 0100 ]

HIGHWAY RT. NO. (THIS COUNT) \_\_\_\_\_ MILEPOST# (THIS COUNT) \_\_\_\_\_

LOCATION (THIS COUNT) By Fun Class Ave FUNCTIONAL CLASS 02BEGINNING DATE 1993 ENDING DATE \_\_\_\_\_

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

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 X 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>1653</u>
2. FHWA CLASS 4 (Buses)	_____	_____	<u>2</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	_____	_____	<u>148</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	_____	_____	<u>78</u>
5. FHWA CLASS 7 (4 or more Axle SU Truck)	_____	_____	<u>0</u>
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	_____	_____	<u>25</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	_____	_____	<u>262</u>
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	_____	_____	<u>0</u>
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	_____	_____	<u>22</u>
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	_____	_____	<u>2</u>
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	_____	_____	<u>0</u>
12. OTHER VEHICLES	_____	_____	<u>0</u>
GRAND TOTAL	_____	_____	<u>2192</u>

NAME OF PREPARER Mark Maldix PHONE # 785-296-6351  
DATE PREPARED 3-14-01



<b>SHEET 8</b> <b>LTPP TRAFFIC DATA</b> <b>TRUCK WEIGHT</b> <b>SESSION INFORMATION</b>	STATE ASSIGNED ID [ _ _ _ _ ]
	STATE CODE [ <u>20</u> ]
	SHRP SECTION ID [ <u>0106</u> ]

HIGHWAY RT. NO.(THIS SESSION) 12-61 MILEPOST # (THIS SESSION) \_\_\_\_\_

LOCATION (THIS SESSION) Renew county 12-61 3mi NE of Langdon

FUNCTIONAL CLASSIFICATION 02 DIRECTION OF TRAVEL EB

1. FHWA STATION IDENTIFICATION NUMBER 740TC6

2. TYPE OF WEIGHING EQUIPMENT: PERM. SCALE \_\_\_\_\_ PERM. WIM \_\_\_\_\_  
 PORT. SCALE \_\_\_\_\_ PORT. WIM X

3. COUNT DURATION (HOURS) 48 COUNT LANE \_\_\_\_\_

4. BEGINNING TIME (MONTH, DAY, YEAR, TIME) 5-24-00-1500

5. ENDING TIME (MONTH, DAY, YEAR, TIME) 5-26-00-1500

6. EQUIPMENT MANUFACTURER / MODEL # Truvelo TDL-500

7. PURPOSE OF WEIGHT SESSION:  
 DATA COLLECTION X ENFORCEMENT \_\_\_\_\_

8. VEHICLE CLASSIFICATION SCHEME: FHWA X OTHER \_\_\_\_\_ # BINS \_\_\_\_\_

9. PAVEMENT TYPE: AC X PCC \_\_\_\_\_ OTHER \_\_\_\_\_

10. METHOD OF CALIBRATION AND FREQUENCY: Calibration truck

**NOTE: IF THIS WEIGHT SESSION IS NOT BASED UPON THE FHWA 13-BIN CLASSIFICATION SYSTEM, USE SHEET 7 TO DESCRIBE HOW THE SHA WOULD EXPAND OR COLLAPSE THE AGENCY CLASSIFICATION SYSTEM TO CORRESPOND WITH THE FHWA 13 CLASSES. ALSO PROVIDE A DESCRIPTION OF THE CLASSIFICATION SCHEME THAT WAS USED.**

NAME OF PREPARER <u>Mark Meddix</u>	PHONE # <u>785-296-6357</u>
DATE PREPARED <u>3-14-01</u>	



<p align="center">SHEET 8</p> <p align="center"><b>LTPP TRAFFIC DATA</b></p> <p align="center"><b>TRUCK WEIGHT SESSION INFORMATION</b></p>	STATE ASSIGNED ID [ _ _ _ _ ]
	STATE CODE [ <u>26</u> ]
	SHRP SECTION ID [ <u>0100</u> ]

HIGHWAY RT. NO.(THIS SESSION) K-61 MILEPOST # (THIS SESSION) \_\_\_\_\_

LOCATION (THIS SESSION) Alameda county K-61 3 mi NE of Lodi

FUNCTIONAL CLASSIFICATION 02 DIRECTION OF TRAVEL EB

1. FHWA STATION IDENTIFICATION NUMBER 740TC6

2. TYPE OF WEIGHING EQUIPMENT: PERM. SCALE \_\_\_\_\_ PERM. WIM \_\_\_\_\_  
PORT. SCALE \_\_\_\_\_ PORT. WIM X

3. COUNT DURATION (HOURS) 48 COUNT LANE \_\_\_\_\_

4. BEGINNING TIME (MONTH, DAY, YEAR, TIME) 5-24-00-1500

5. ENDING TIME (MONTH, DAY, YEAR, TIME) 5-26-00-1500

6. EQUIPMENT MANUFACTURER / MODEL # Truvelo TDL-500

7. PURPOSE OF WEIGHT SESSION:  
DATA COLLECTION X ENFORCEMENT \_\_\_\_\_

8. VEHICLE CLASSIFICATION SCHEME: FHWA X OTHER \_\_\_\_\_ # BINS \_\_\_\_\_

9. PAVEMENT TYPE: AC X PCC \_\_\_\_\_ OTHER \_\_\_\_\_

10. METHOD OF CALIBRATION AND FREQUENCY: Calibration truck

**NOTE: IF THIS WEIGHT SESSION IS NOT BASED UPON THE FHWA 13-BIN CLASSIFICATION SYSTEM, USE SHEET 7 TO DESCRIBE HOW THE SHA WOULD EXPAND OR COLLAPSE THE AGENCY CLASSIFICATION SYSTEM TO CORRESPOND WITH THE FHWA 13 CLASSES. ALSO PROVIDE A DESCRIPTION OF THE CLASSIFICATION SCHEME THAT WAS USED.**

NAME OF PREPARER <u>Mark Meddax</u>	PHONE # <u>785-296-6357</u>
DATE PREPARED <u>3-14-01</u>	



STATE OF KANSAS  
EIGHTEEN KIP EQUIVALENTS RATE PER 1000 VEHICLES  
OF VEHICLES WEIGHED DURING THE PERIOD JANUARY 01 TO DECEMBER 31, 1994

04/15/95

SINGLE UNIT TRUCKS			SINGLE TRAILER TRUCKS		MULTI-TRAILER TRUCKS	
1	2	3	4	5	5	6
AXLE	AXLE	AXLE	AXLE	AXLE	AXLE	AXLE
4	6	OR	OR	OR	OR	OR
TIRE	TIRE	MORE	LESS	MORE	LESS	MORE

SINGLE UNIT TRUCKS			SINGLE TRAILER TRUCKS		MULTI-TRAILER TRUCKS	
2	4	5	4	5	5	6
AXLE	AXLE	AXLE	AXLE	AXLE	AXLE	AXLE
4	6	OR	OR	OR	OR	OR
TIRE	TIRE	MORE	LESS	MORE	LESS	MORE

05 RURAL PRINCIPAL ARTERIAL - INTERSTATE

RIGID PAVEMENT - P=2.0

D= 6"	2	96	299	559	1867	1565	1725
D= 7"	2	94	295	550	1854	1547	1703
D= 8"	2	93	294	544	1866	1535	1690
D= 9"	2	92	295	543	1878	1530	1686
D=10"	2	92	296	543	1888	1529	1684
D=11"	2	92	297	543	1893	1529	1683

FLEXIBLE PAVEMENT - P=2.0

SN=1	2	89	188	471	1083	1492	1309
SN=2	2	96	196	492	1112	1542	1373
SN=3	2	98	201	504	1135	1576	1420
SN=4	2	94	195	492	1120	1553	1394
SN=5	2	91	189	479	1100	1526	1355
SN=6	2	89	186	473	1088	1511	1331

RIGID PAVEMENT - P=2.5

D= 6"	2	102	303	580	1834	1616	1782
D= 7"	2	96	291	558	1805	1572	1730
D= 8"	2	93	289	546	1826	1545	1700
D= 9"	2	92	292	542	1856	1534	1689
D=10"	2	92	294	542	1876	1531	1685
D=11"	2	92	296	542	1887	1529	1684

FLEXIBLE PAVEMENT - P=2.5

SN=1	3	93	190	479	1091	1515	1334
SN=2	4	103	217	529	1163	1613	1470
SN=3	3	115	230	562	1225	1697	1592
SN=4	2	104	213	529	1185	1641	1522
SN=5	2	95	197	497	1133	1569	1422
SN=6	2	91	211	507	1158	1531	1437

05 RURAL PRINCIPAL ARTERIAL - OTHER

RIGID PAVEMENT - P=2.0

D= 6"	3	213	360	698	1954	1930	3178
D= 7"	3	209	355	685	1940	1915	3166
D= 8"	3	209	355	683	1956	1910	3179
D= 9"	3	210	356	687	1973	1910	3194
D=10"	3	211	357	691	1985	1911	3202
D=11"	3	212	357	695	1992	1912	3210

FLEXIBLE PAVEMENT - P=2.0

SN=1	3	214	252	663	1169	1890	2998
SN=2	3	218	257	673	1189	1926	3004
SN=3	3	216	263	666	1205	1942	2979
SN=4	3	209	256	642	1192	1919	2937
SN=5	3	207	250	634	1177	1903	2941
SN=6	3	208	246	638	1167	1893	2962

RIGID PAVEMENT - P=2.5

D= 6"	4	213	363	699	1965	1958	3143
D= 7"	3	206	352	671	1875	1922	3115
D= 8"	3	205	351	665	1904	1909	3142
D= 9"	3	207	353	673	1943	1908	3173
D=10"	3	209	355	682	1969	1910	3192
D=11"	3	211	357	690	1984	1911	3202

FLEXIBLE PAVEMENT - P=2.5

SN=1	4	217	250	668	1172	1911	3003
SN=2	5	228	277	695	1230	1976	3030
SN=3	5	225	293	688	1276	2017	2976
SN=4	4	209	276	637	1241	1962	2881
SN=5	3	202	259	612	1199	1916	2877
SN=6	3	203	256	630	1204	1900	2932

S T A T E   O F   K A N S A S  
EIGHTEEN KIP EQUIVALENTS RATE PER 1000 VEHICLES  
OF VEHICLES WEIGHED DURING THE PERIOD JANUARY 01 TO DECEMBER 31, 1993

03/13/95

SINGLE UNIT TRUCKS			SINGLE TRAILER TRUCKS		MULTI-TRAILER TRUCKS	
2	2	3	4	5	5	6
AXLE	AXLE	AXLE	AXLE	AXLE	AXLE	AXLE
4	6	OR	OR	OR	OR	OR
TIRE	TIRE	MORE	LESS	MORE	LESS	MORE

SINGLE UNIT TRUCKS			SINGLE TRAILER TRUCKS		MULTI-TRAILER TRUCKS	
2	2	3	4	5	5	6
AXLE	AXLE	AXLE	AXLE	AXLE	AXLE	AXLE
4	6	OR	OR	OR	OR	OR
TIRE	TIRE	MORE	LESS	MORE	LESS	MORE

04   R U R A L   P R I N C I P A L   A R T E R I A L   -   I N T E R S T A T E

RIGID PAVEMENT - P=2.0

D= 6"	2	110	531	581	1664	1433	1896
D= 7"	2	107	526	573	1654	1413	1875
D= 8"	2	105	526	569	1663	1400	1870
D= 9"	2	105	528	568	1671	1395	1871
D=10"	2	104	529	567	1678	1393	1873
D=11"	2	104	530	568	1682	1393	1875

FLEXIBLE PAVEMENT - P=2.0

SN=1	2	101	307	516	958	1355	1446
SN=2	2	108	321	535	986	1407	1497
SN=3	2	111	331	545	1010	1443	1530
SN=4	2	107	323	534	996	1421	1503
SN=5	2	103	314	523	976	1391	1473
SN=6	2	101	308	518	964	1374	1457

RIGID PAVEMENT - P=2.5

D= 6"	3	117	533	600	1641	1489	1925
D= 7"	2	111	521	581	1620	1442	1878
D= 8"	2	107	521	572	1635	1410	1863
D= 9"	2	105	525	569	1656	1398	1865
D=10"	2	105	527	568	1669	1395	1870
D=11"	2	105	529	567	1678	1393	1873

FLEXIBLE PAVEMENT - P=2.5

SN=1	3	104	311	524	966	1379	1467
SN=2	4	122	349	570	1037	1479	1582
SN=3	3	131	376	597	1098	1570	1668
SN=4	3	120	355	566	1062	1515	1598
SN=5	2	110	330	537	1010	1437	1518
SN=6	2	104	360	544	1028	1395	1546

05   R U R A L   P R I N C I P A L   A R T E R I A L   -   O T H E R

RIGID PAVEMENT - P=2.0

D= 6"	8	182	1095	1674	2914	1511	2623
D= 7"	7	179	1070	1644	2866	1495	2570
D= 8"	7	179	1071	1648	2885	1503	2569
D= 9"	7	181	1086	1672	2929	1518	2598
D=10"	7	182	1104	1697	2970	1528	2635
D=11"	7	183	1119	1715	3000	1534	2668

FLEXIBLE PAVEMENT - P=2.0

SN=1	11	187	776	1551	1797	1565	2061
SN=2	7	189	771	1535	1797	1568	2045
SN=3	7	185	749	1479	1775	1534	1987
SN=4	6	179	723	1425	1740	1494	1927
SN=5	5	177	720	1427	1737	1496	1927
SN=6	5	179	731	1459	1750	1517	1962

RIGID PAVEMENT - P=2.5

D= 6"	9	181	1041	1603	2773	1484	2508
D= 7"	8	174	991	1539	2675	1445	2400
D= 8"	7	174	991	1548	2711	1463	2396
D= 9"	7	177	1022	1596	2804	1493	2454
D=10"	7	179	1059	1647	2890	1515	2530
D=11"	7	181	1090	1685	2951	1527	2598

FLEXIBLE PAVEMENT - P=2.5

SN=1	7	190	774	1550	1796	1571	2057
SN=2	10	196	773	1523	1810	1585	2039
SN=3	9	188	733	1412	1773	1521	1928
SN=4	7	173	679	1303	1698	1428	1803
SN=5	6	169	669	1300	1681	1423	1795
SN=6	5	172	701	1366	1729	1463	1931

DATE : 03/12/2001  
 STATE : KS  
 PERIOD : 2000

KANSAS DEPARTMENT OF TRANSPORTATION

Page 1

**W-4 TABLE**  
**EQUIVALENCY FACTORS**  
*By Direction*

FUNCTIONAL CLASS(ES) : 02  
 AVERAGING METHOD : Hour of Day  
 AXLE GROUPING METHOD : Vehicle Size & Weight  
 STATION CODE(S) : 2WOA8660 (2WOA8661), 7UOTC620 (7UOTC621), AKCRT330 (AKCRT331, AKCRT332), EIJDS660 (EIJDS661)

SUMMARY ESAL DESIGN FACTORS	3 SU 2-AX 4-TR	4 BUS	5 SU 2-AX 6-TR	6 SU 3-AX	7 SU 4-AX OR MORE	8 STT 4-AX OR LESS	9 STT 5-AX	10 STT 6-AX OR MORE	11 MTT 5-AX OR LESS	12 MTT 6-AX	13 MTT 7-AX OR MORE
<b>RIGID PAVEMENT</b> $P_t = 2.5$ $D = 287$ mm											
ESALSs PER VEHICLE	0.0008	0.0520	0.2065	0.9774	1.9074	0.7217	2.7308	2.5148	1.7621	1.3700	0.3007
PERCENT DISTRIBUTION USING AVERAGE DAILYCOUNT	0.06	0.09	1.59	2.30	0.32	1.20	88.65	1.75	3.43	0.54	0.02
<b>FLEXIBLE PAVEMENT</b> $P_t = 2.5$ $SN = 180$ mm											
ESALSs PER VEHICLE	0.0006	0.0471	0.1976	0.5699	1.0029	0.5604	1.5672	1.3035	1.7441	1.1247	0.1550
PERCENT DISTRIBUTION USING AVERAGE DAILYCOUNT	0.08	0.14	2.56	2.24	0.28	1.56	85.14	1.52	5.68	0.74	0.02
<b>TRAFFIC VOLUME</b>											
AVERAGE VEHICLES WEIGHED	15	-	75	22	1	14	331	7	21	4	-
AVERAGE VEHICLES COUNTED	972	21	86	26	2	19	361	8	22	4	1
PERCENT DISTRIBUTION OF AVERAGE DAILY COUNT BY TRUCK TYPE			16.30	4.95	0.36	3.51	68.32	1.47	4.10	0.83	0.17
TOTAL: AVG. VEHICLES WEIGHED 491	AVG. VEHICLES COUNTED 3,661		AXLES 2139		RIGID ESALS 1015		FLEXIBLE ESALS 606				

20 YEAR ESAL ESTIMATES

ADT = 1000

Values in millions

FLEXIBLE PAVEMENTS GROWTH RATES							RIGID PAVEMENTS GROWTH RATES						
PERCENT TRUCKS	0	2	4	6	8	10	PERCENT TRUCKS	0	2	4	6	8	10
2	0.18	0.22	0.27	0.31	0.38	0.47	2	0.31	0.37	0.46	0.52	0.64	0.78
4	0.37	0.45	0.55	0.62	0.76	0.94	4	0.61	0.75	0.91	1.04	1.27	1.57
6	0.55	0.67	0.82	0.93	1.14	1.41	6	0.92	1.12	1.37	1.55	1.91	2.35
8	0.73	0.89	1.09	1.24	1.52	1.87	8	1.23	1.49	1.83	2.07	2.54	3.14
10	0.92	1.11	1.36	1.55	1.90	2.34	10	1.53	1.86	2.28	2.59	3.18	3.92
15	1.37	1.67	2.05	2.32	2.85	3.51	15	2.30	2.80	3.43	3.89	4.77	5.88
20	1.83	2.23	2.73	3.09	3.80	4.69	20	3.07	3.73	4.57	5.18	6.36	7.85
25	2.29	2.78	3.41	3.87	4.75	5.86	25	3.83	4.66	5.71	6.48	7.95	9.81
30	2.75	3.34	4.09	4.64	5.69	7.03	30	4.60	5.59	6.85	7.77	9.54	11.77
35	3.21	3.89	4.77	5.42	6.64	8.20	35	5.37	6.52	7.99	9.07	11.13	13.73
40	3.66	4.45	5.46	6.19	7.59	9.37	40	6.13	7.45	9.13	10.37	12.71	15.69
45	4.12	5.01	6.14	6.96	8.54	10.54	45	6.90	8.39	10.28	11.66	14.30	17.65
50	4.58	5.56	6.82	7.74	9.49	11.71	50	7.67	9.32	11.42	12.96	15.89	19.62

DATE : 03/12/2001  
STATE : KS  
PERIOD : 1997

KANSAS DEPARTMENT OF TRANSPORTATION

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**W-4 TABLE**  
**EQUIVALENCY FACTORS**  
*By Direction*

FUNCTIONAL CLASS(ES) : 02  
AVERAGING METHOD : Hour of Day  
AXLE GROUPING METHOD : Vehicle Size & Weight  
STATION CODE(S) : 2WOA8660 (2WOA8661), 7UOTC620 (7UOTC621), AKCRT330 (AKCRT331, AKCRT332), EIJDS660 (EIJDS661)

290, 2-28

SUMMARY ESAL DESIGN FACTORS	3	4	5	6	7	8	9	10	11	12	13
	SU		SU	SU	SU	STT	STT	STT	MTT	MTT	MTT
	2-AX	BUS	2-AX	3-AX	4-AX	4-AX	5-AX	6-AX	5-AX	6-AX	7-AX
	4-TR		6-TR		OR MORE	OR LESS		OR MORE	OR LESS		OR MORE
RIGID PAVEMENT $P_t = 2.5$ $D = 287$ mm											
ESALs PER VEHICLE	0.0010	0.3930	0.2236	0.7879	4.1039	0.6530	2.8945	3.3517	1.6765	3.1562	5.5997
PERCENT DISTRIBUTION USING AVERAGE DAILYCOUNT	0.08	0.66	1.39	1.25	0.87	1.46	86.03	2.38	3.54	1.73	0.55
FLEXIBLE PAVEMENT $P_t = 2.5$ $SN = 180$ mm											
ESALs PER VEHICLE	0.0007	0.3884	0.2178	0.4682	2.3741	0.5245	1.6416	1.7544	1.6554	2.8023	3.0802
PERCENT DISTRIBUTION USING AVERAGE DAILYCOUNT	0.09	1.09	2.26	1.24	0.84	1.97	81.47	2.08	5.84	2.57	0.51
TRAFFIC VOLUME											
AVERAGE VEHICLES WEIGHED	2	1	55	14	1	20	282	7	21	5	-
AVERAGE VEHICLES COUNTED	805	17	62	16	2	23	297	7	21	6	1
PERCENT DISTRIBUTION OF AVERAGE DAILY COUNT BY TRUCK TYPE			14.34	3.65	0.49	5.17	68.35	1.64	4.86	1.26	0.23
TOTAL: AVG. VEHICLES WEIGHED 407 AVG. VEHICLES COUNTED 2,951 AXLES 1828 RIGID ESALS 932 FLEXIBLE ESALS 556											

20 YEAR ESAL ESTIMATES

ADT = 1000

Values in millions

FLEXIBLE PAVEMENTS GROWTH RATES							RIGID PAVEMENTS GROWTH RATES						
PERCENT TRUCKS	0	2	4	6	8	10	PERCENT TRUCKS	0	2	4	6	8	10
2	0.20	0.24	0.30	0.34	0.41	0.51	2	0.33	0.40	0.50	0.56	0.69	0.85
4	0.40	0.48	0.59	0.67	0.82	1.02	4	0.67	0.81	0.99	1.13	1.38	1.70
6	0.60	0.72	0.89	1.01	1.24	1.52	6	1.00	1.21	1.49	1.69	2.07	2.56
8	0.79	0.97	1.18	1.34	1.65	2.03	8	1.33	1.62	1.98	2.25	2.76	3.41
10	0.99	1.21	1.48	1.68	2.06	2.54	10	1.67	2.02	2.48	2.81	3.45	4.26
15	1.49	1.81	2.22	2.52	3.09	3.81	15	2.50	3.04	3.72	4.22	5.18	6.39
20	1.99	2.41	2.96	3.36	4.12	5.08	20	3.33	4.05	4.96	5.63	6.91	8.52
25	2.48	3.02	3.70	4.20	5.15	6.35	25	4.16	5.06	6.20	7.04	8.63	10.65
30	2.98	3.62	4.44	5.03	6.18	7.62	30	5.00	6.07	7.44	8.44	10.36	12.78
35	3.48	4.22	5.18	5.87	7.21	8.89	35	5.83	7.08	8.68	9.85	12.08	14.92
40	3.97	4.83	5.92	6.71	8.23	10.16	40	6.66	8.10	9.92	11.26	13.81	17.05
45	4.47	5.43	6.66	7.55	9.26	11.43	45	7.50	9.11	11.16	12.67	15.54	19.18
50	4.97	6.03	7.40	8.39	10.29	12.70	50	8.33	10.12	12.40	14.07	17.26	21.31

DATE : 03/12/2001  
 STATE : KS  
 PERIOD : 1996

KANSAS DEPARTMENT OF TRANSPORTATION

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**W-4 TABLE**  
**EQUIVALENCY FACTORS**  
*By Direction*

FUNCTIONAL CLASS(ES) : 02  
 AVERAGING METHOD : Hour of Day  
 AXLE GROUPING METHOD : Vehicle Size & Weight  
 STATION CODE(S) : 2KIYE330 (2KIYE331), 2KIYE370 (2KIYE371), B4BHZ730 (B4BHZ731), D1R4E330 (D1R4E331, D1R4E332)

SUMMARY ESAL DESIGN FACTORS	3 SU 2-AX 4-TR	4 BUS	5 SU 2-AX 6-TR	6 SU 3-AX	7 SU 4-AX OR MORE	8 STT 4-AX OR LESS	9 STT 5-AX	10 STT 6-AX OR MORE	11 MTT 5-AX OR LESS	12 MTT 6-AX	13 MTT 7-AX OR MORE
RIGID PAVEMENT $P_t = 2.5$ $D = 287$ mm											
ESALs PER VEHICLE	0.0000	0.6208	0.0298	0.7707	1.0318	0.1918	1.1991	1.5341	0.2110	0.9383	4.1897
PERCENT DISTRIBUTION USING AVERAGE DAILYCOUNT	0.00	1.83	0.99	6.46	1.37	1.72	77.28	6.68	0.12	0.48	3.01
FLEXIBLE PAVEMENT $P_t = 2.5$ $SN = 180$ mm											
ESALs PER VEHICLE	0.0000	0.4887	0.0290	0.5032	0.5679	0.1773	0.6938	0.8135	0.2028	0.8767	2.4776
PERCENT DISTRIBUTION USING AVERAGE DAILYCOUNT	0.00	2.42	1.62	7.07	1.27	2.68	75.02	5.94	0.19	0.76	2.99
TRAFFIC VOLUME											
AVERAGE VEHICLES WEIGHED	0	19	204	27	6	35	235	15	1	3	1
AVERAGE VEHICLES COUNTED	792	13	145	36	6	39	280	19	3	2	3
PERCENT DISTRIBUTION OF AVERAGE DAILY COUNT BY TRUCK TYPE			27.18	6.83	1.09	7.35	52.52	3.55	0.47	0.42	0.59
TOTAL: AVG. VEHICLES WEIGHED 543 AVG. VEHICLES COUNTED 2,814 AXLES 1977 RIGID ESALS 361 FLEXIBLE ESALS 217											

20 YEAR ESAL ESTIMATES

ADT = 1000

Values in millions

FLEXIBLE PAVEMENTS GROWTH RATES							RIGID PAVEMENTS GROWTH RATES						
PERCENT TRUCKS	0	2	4	6	8	10	PERCENT TRUCKS	0	2	4	6	8	10
2	0.07	0.08	0.10	0.12	0.14	0.18	2	0.12	0.14	0.17	0.20	0.24	0.30
4	0.14	0.17	0.21	0.23	0.29	0.35	4	0.23	0.28	0.35	0.39	0.48	0.60
6	0.21	0.25	0.31	0.35	0.43	0.53	6	0.35	0.43	0.52	0.59	0.73	0.90
8	0.28	0.34	0.41	0.47	0.57	0.71	8	0.47	0.57	0.70	0.79	0.97	1.20
10	0.35	0.42	0.52	0.58	0.72	0.89	10	0.58	0.71	0.87	0.99	1.21	1.49
15	0.52	0.63	0.77	0.88	1.08	1.33	15	0.88	1.06	1.30	1.48	1.82	2.24
20	0.69	0.84	1.03	1.17	1.43	1.77	20	1.17	1.42	1.74	1.97	2.42	2.99
25	0.87	1.05	1.29	1.46	1.79	2.21	25	1.46	1.77	2.17	2.47	3.03	3.73
30	1.04	1.26	1.55	1.75	2.15	2.66	30	1.75	2.13	2.61	2.96	3.63	4.48
35	1.21	1.47	1.80	2.05	2.51	3.10	35	2.04	2.48	3.04	3.45	4.24	5.23
40	1.38	1.68	2.06	2.34	2.87	3.54	40	2.34	2.84	3.48	3.95	4.84	5.98
45	1.56	1.89	2.32	2.63	3.23	3.98	45	2.63	3.19	3.91	4.44	5.45	6.72
50	1.73	2.10	2.58	2.92	3.59	4.43	50	2.92	3.55	4.35	4.93	6.05	7.47

DATE : 03/12/2001  
STATE : KS  
PERIOD : 1995

KANSAS DEPARTMENT OF TRANSPORTATION

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**W-4 TABLE**  
**EQUIVALENCY FACTORS**  
*By Direction*

FUNCTIONAL CLASS(ES) : 02  
AVERAGING METHOD : Hour of Day  
AXLE GROUPING METHOD : Vehicle Size & Weight  
STATION CODE(S) : 3E6C4330 (3E6C4331), D5GVF370 (D5GVF372), DE9DS220 (DE9DS221), E579E220 (E579E221), F2UEE370 (F2UEE371)

SUMMARY ESAL DESIGN FACTORS	3	4	5	6	7	8	9	10	11	12	13
	SU		SU	SU	SU	STT	STT	STT	MTT	MTT	MTT
	2-AX	BUS	2-AX	3-AX	4-AX	4-AX	5-AX	6-AX	5-AX	6-AX	7-AX
	4-TR		6-TR		OR MORE	OR LESS		OR MORE	OR LESS		OR MORE
RIGID PAVEMENT $P_t=$ 2.5 $D=$ 287 mm											
ESALs PER VEHICLE	0.0014	0.5845	0.2145	1.4398	9.3139	0.6150	2.0431	3.5649	1.4076	1.4522	0.0000
PERCENT DISTRIBUTION USING AVERAGE DAILYCOUNT	0.07	0.81	1.53	4.42	2.07	2.64	79.56	2.69	5.10	1.06	0.00
FLEXIBLE PAVEMENT $P_t=$ 2.5 $SN=$ 180 mm											
ESALs PER VEHICLE	0.0009	0.5736	0.2112	0.8501	5.1583	0.5224	1.1682	1.9794	1.3913	1.2174	0.0000
PERCENT DISTRIBUTION USING AVERAGE DAILYCOUNT	0.07	1.31	2.46	4.25	1.87	3.66	74.21	2.44	8.23	1.46	0.00
TRAFFIC VOLUME											
AVERAGE VEHICLES WEIGHED	2	1	28	15	1	19	157	4	14	3	0
AVERAGE VEHICLES COUNTED	304	8	40	17	1	24	219	4	20	4	-
PERCENT DISTRIBUTION OF AVERAGE DAILY COUNT BY TRUCK TYPE			12.18	5.22	0.38	7.30	66.18	1.29	6.17	1.25	0.04
TOTAL: AVG. VEHICLES WEIGHED 244 AVG. VEHICLES COUNTED 1,239 AXLES 1085 RIGID ESALS 407 FLEXIBLE ESALS 248											

20 YEAR ESAL ESTIMATES

ADT = 1000

Values in millions

FLEXIBLE PAVEMENTS GROWTH RATES							RIGID PAVEMENTS GROWTH RATES						
PERCENT TRUCKS	0	2	4	6	8	10	PERCENT TRUCKS	0	2	4	6	8	10
2	0.15	0.18	0.22	0.25	0.31	0.38	2	0.25	0.30	0.37	0.42	0.51	0.63
4	0.30	0.36	0.45	0.51	0.62	0.77	4	0.49	0.60	0.73	0.83	1.02	1.26
6	0.45	0.55	0.67	0.76	0.93	1.15	6	0.74	0.90	1.10	1.25	1.53	1.89
8	0.60	0.73	0.89	1.01	1.24	1.54	8	0.98	1.20	1.46	1.66	2.04	2.52
10	0.75	0.91	1.12	1.27	1.55	1.92	10	1.23	1.49	1.83	2.08	2.55	3.15
15	1.13	1.37	1.68	1.90	2.33	2.88	15	1.84	2.24	2.75	3.12	3.82	4.72
20	1.50	1.82	2.23	2.53	3.11	3.84	20	2.46	2.99	3.66	4.16	5.10	6.29
25	1.88	2.28	2.79	3.17	3.89	4.80	25	3.07	3.74	4.58	5.19	6.37	7.86
30	2.25	2.73	3.35	3.80	4.66	5.76	30	3.69	4.48	5.49	6.23	7.65	9.44
35	2.63	3.19	3.91	4.44	5.44	6.72	35	4.30	5.23	6.41	7.27	8.92	11.01
40	3.00	3.65	4.47	5.07	6.22	7.68	40	4.92	5.98	7.32	8.31	10.20	12.58
45	3.38	4.10	5.03	5.70	7.00	8.63	45	5.53	6.72	8.24	9.35	11.47	14.16
50	3.75	4.56	5.58	6.34	7.77	9.59	50	6.15	7.47	9.16	10.39	12.74	15.73