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# Statewide Transportation Analysis & Research

MICHIGAN'S STATEWIDE  
TRANSPORTATION MODELING SYSTEM

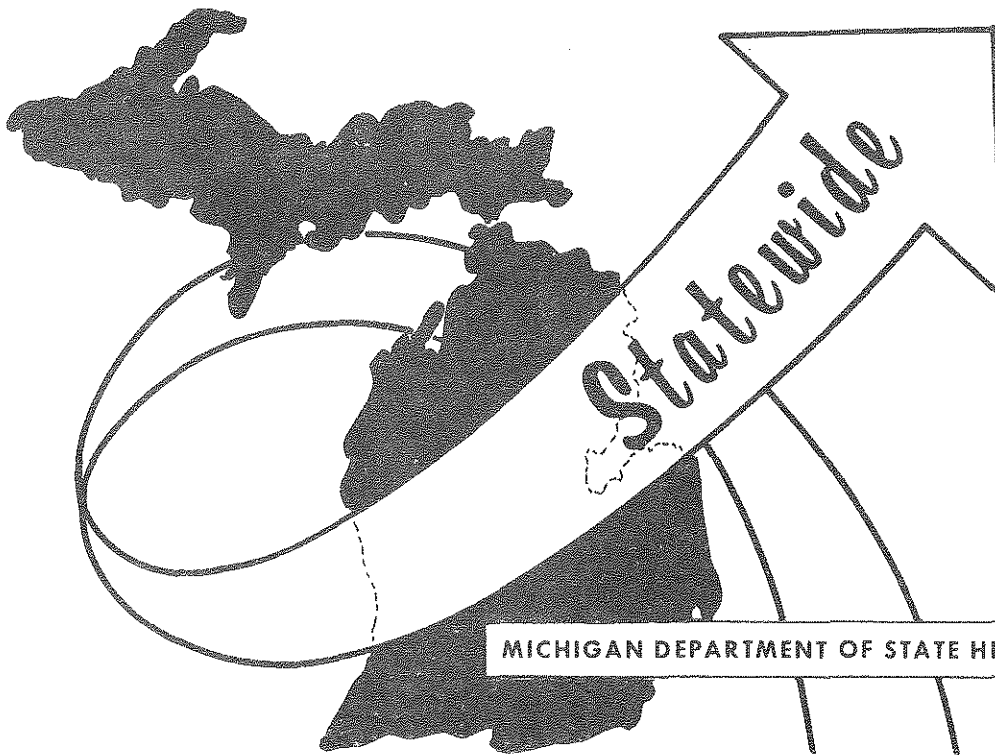
VOLUME XIV C

COMMODITY FLOW MATRIX

MICHIGAN RAILROADS 1% SAMPLE

STATEWIDE TRANSPORTATION  
PLANNING PROCEDURES

JULY, 1975



MICHIGAN DEPARTMENT OF STATE HIGHWAYS AND TRANSPORTATION

# MICHIGAN DEPARTMENT

OF

## STATE HIGHWAYS AND TRANSPORTATION BUREAU OF TRANSPORTATION PLANNING

MICHIGAN'S STATEWIDE  
TRANSPORTATION MODELING SYSTEM

VOLUME XIV C

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JOHN P. WOODFORD, DIRECTOR

July 29, 1975

Mr. Sam F. Cryderman  
Deputy Director  
Bureau of Transportation Planning  
Department of State Highways  
and Transportation

Dear Mr. Cryderman:

The Highway Planning Division is pleased to present Volume XIV-C in the Statewide Transportation Modeling System Series. It documents an important addition to Michigan's planning data base: railroad commodity flow information.

The basic ingredient of transportation planning is the origin-destination survey. This report presents commodity O-D data for all railroads shipping to and from Michigan, summarized into a matrix of zone-to-zone flows. The zones used are those of Michigan's Statewide Transportation Modeling System. Thus, the potential has been created for railroad planning and analysis based on reliable O-D information, using the extensive capabilities of the Statewide System, which, insures compatibility with previous and future highway and other-modal analyses performed on the Statewide System.

This report was prepared by Mr. Lawrence G. Scott of the Statewide Transportation Planning Procedures Section, under the supervision of Mr. Richard E. Esch.

Sincerely,

A handwritten signature in cursive script, appearing to read "R. J. Lilly".

R. J. Lilly, Administrator  
Highway Planning Division



# COMMODITY FLOW MATRIX

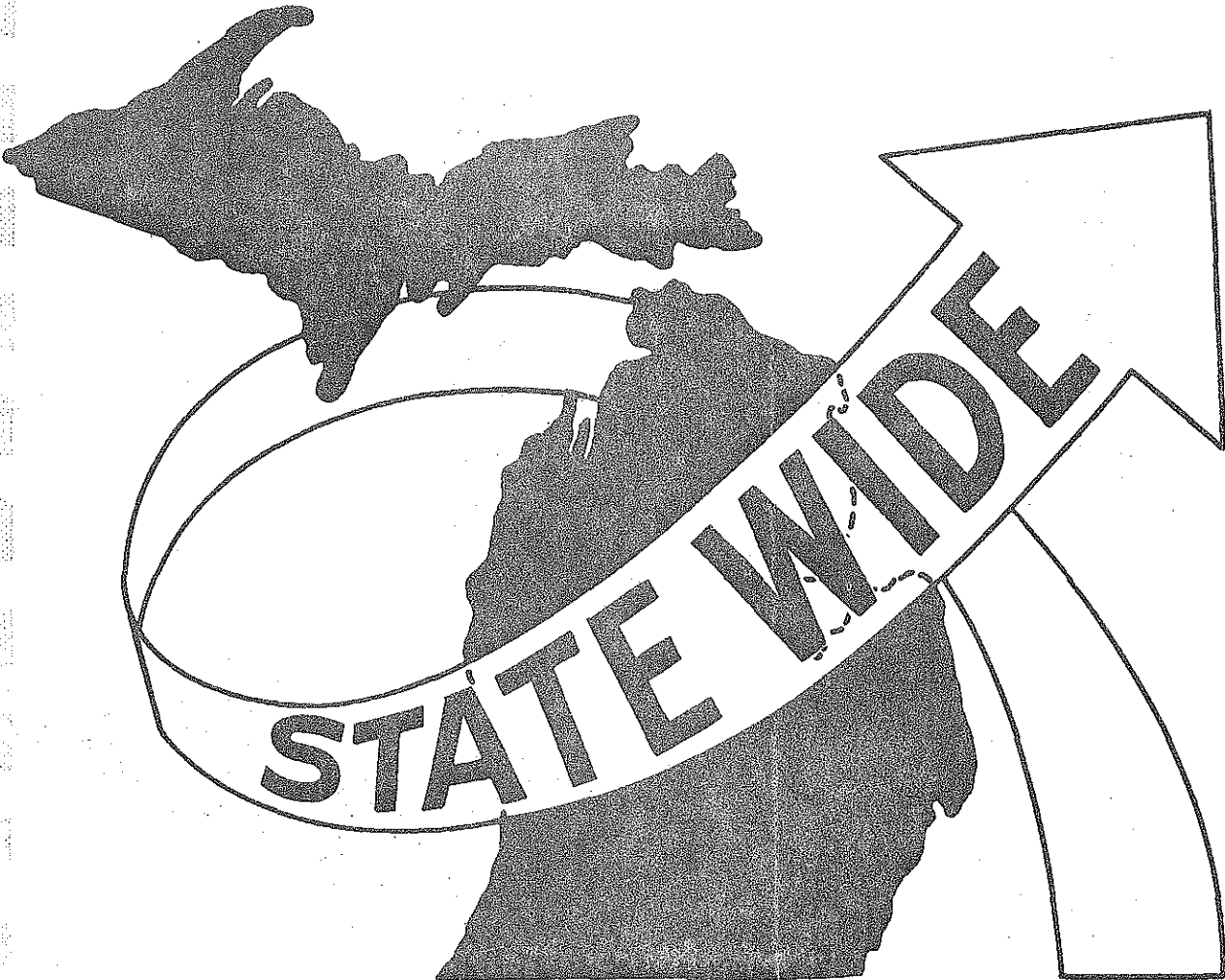
## MICHIGAN RAILROADS 1% SAMPLE

By Lawrence G. Scott

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# PREFACE



# PREFACE

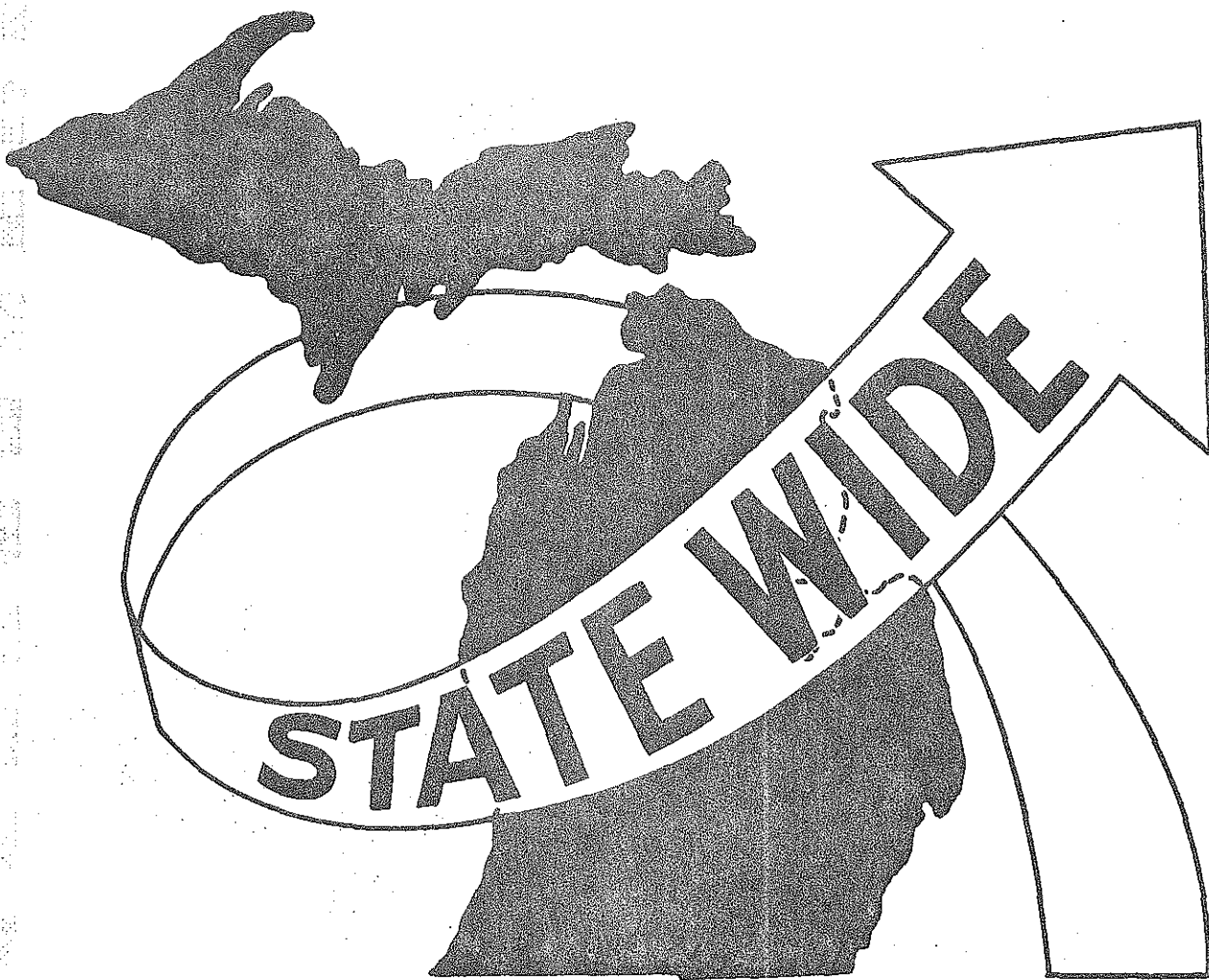
In June 1970, the Penn Central Transportation Company, the nation's largest transportation company, filed for bankruptcy. Since that time, national attention has been focused on the plight of the entire rail system in the populous, industrial Northeast and Midwest region. Six other railroads have since filed for bankruptcy and in 1974, the federal government responded with the Regional Rail Reorganization Act of 1973. That law created the U.S. Railway Association, charged with developing a Final System Plan to reorganize rail service and dispose of bankrupt rail properties in the region.

The USRA Preliminary System Plan and public hearings generated considerable controversy in the affected states. Criticism has been leveled at the USRA analysis especially with regard to the analysis of lines labeled "potentially excess", and for good reason: if all such lines labeled potentially excess were abandoned, Michigan's entire ten-county northwest region would have no rail service.

Thus, the Michigan Department of State Highways and Transportation needs to develop its own planning capabilities and data base in the rail transport area at the systems level. This report signals an important step: a matrix of commodity flows for all railroads shipping to and from Michigan.

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# INTRODUCTION



# INTRODUCTION

Necessary to comprehensive rail planning at the systems level are three components:

- (1) a computer model of the rail network,
- (2) commodity flow data, and
- (3) passenger flow data.

Michigan's Statewide Transportation Modeling System already contains (1) a rail network, as described in Statewide reports, Michigan Goes Multi-Modal (Volume XIII) and 1972 Statewide Rail Network: Summary Tabulations.

This report displays the addition to the Statewide System of (2) commodity flow data, for all railroads shipping to and from Michigan. The procedures described herein converted a 1972 1% waybill sample for all rail movements originating or terminating in Michigan into a matrix of commodity flows from and to each of the 547 zones in Michigan's Statewide Transportation Modeling System (see Figures 1-3). This process produces commodity flow data for comprehensive rail planning, and insures that this and future railroad analysis will be compatible with analyses of highways and other modes and with the extensive socio-economic and facilities files contained on the Statewide System.

This report is Volume XIV-C in the Statewide Series of reports. Volumes XIV-A and XIV-B describe two other commodity flow matrices available on the Statewide System: 1973 100% waybill samples for the Ann Arbor and Penn Central Railroads, respectively.





# MICHIGAN'S TRANSPORTATION MODELING SYSTEM

## 547 ZONE OUTSTATE ANALYSIS ZONES

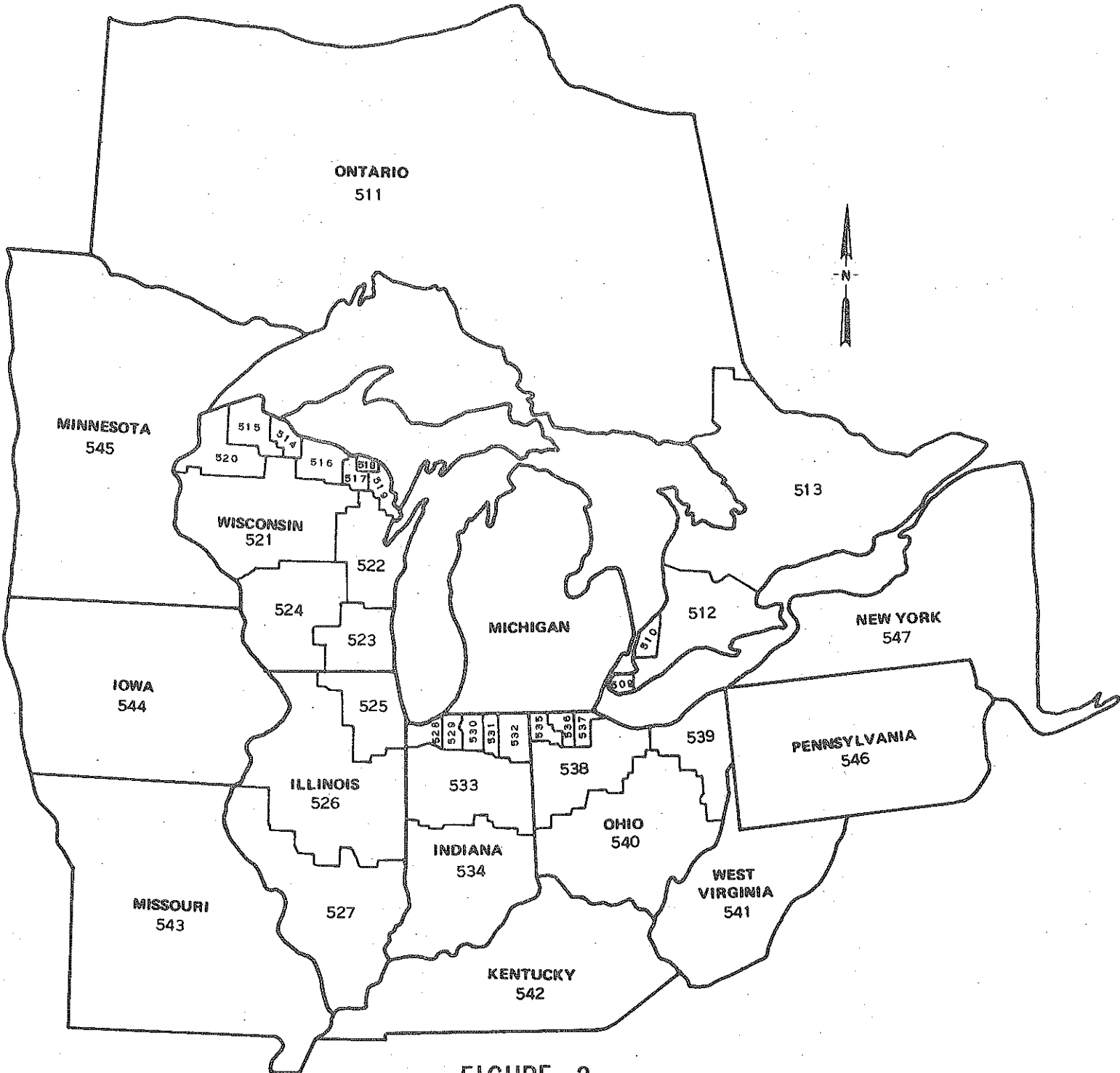


FIGURE 2

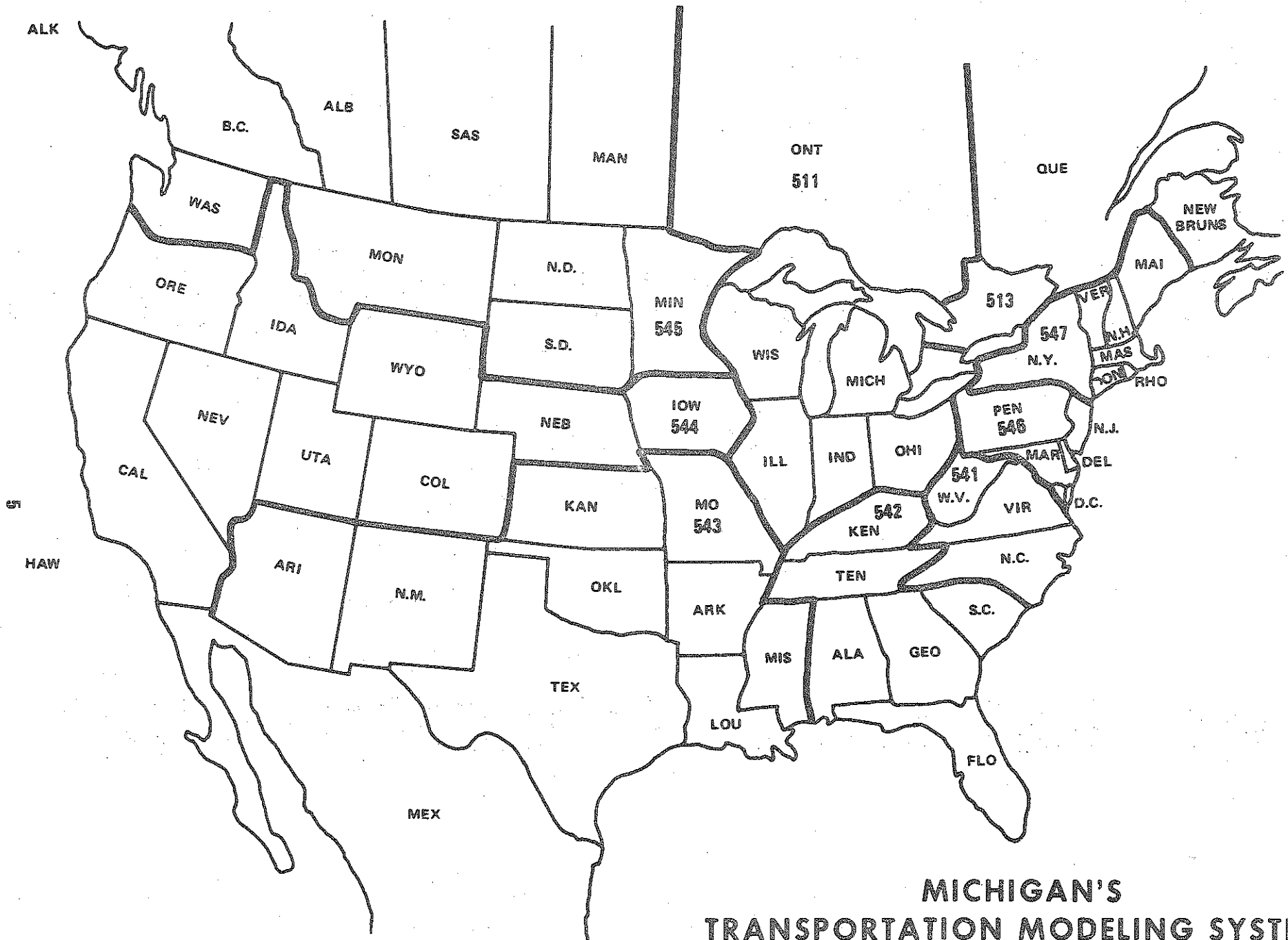


FIGURE 3

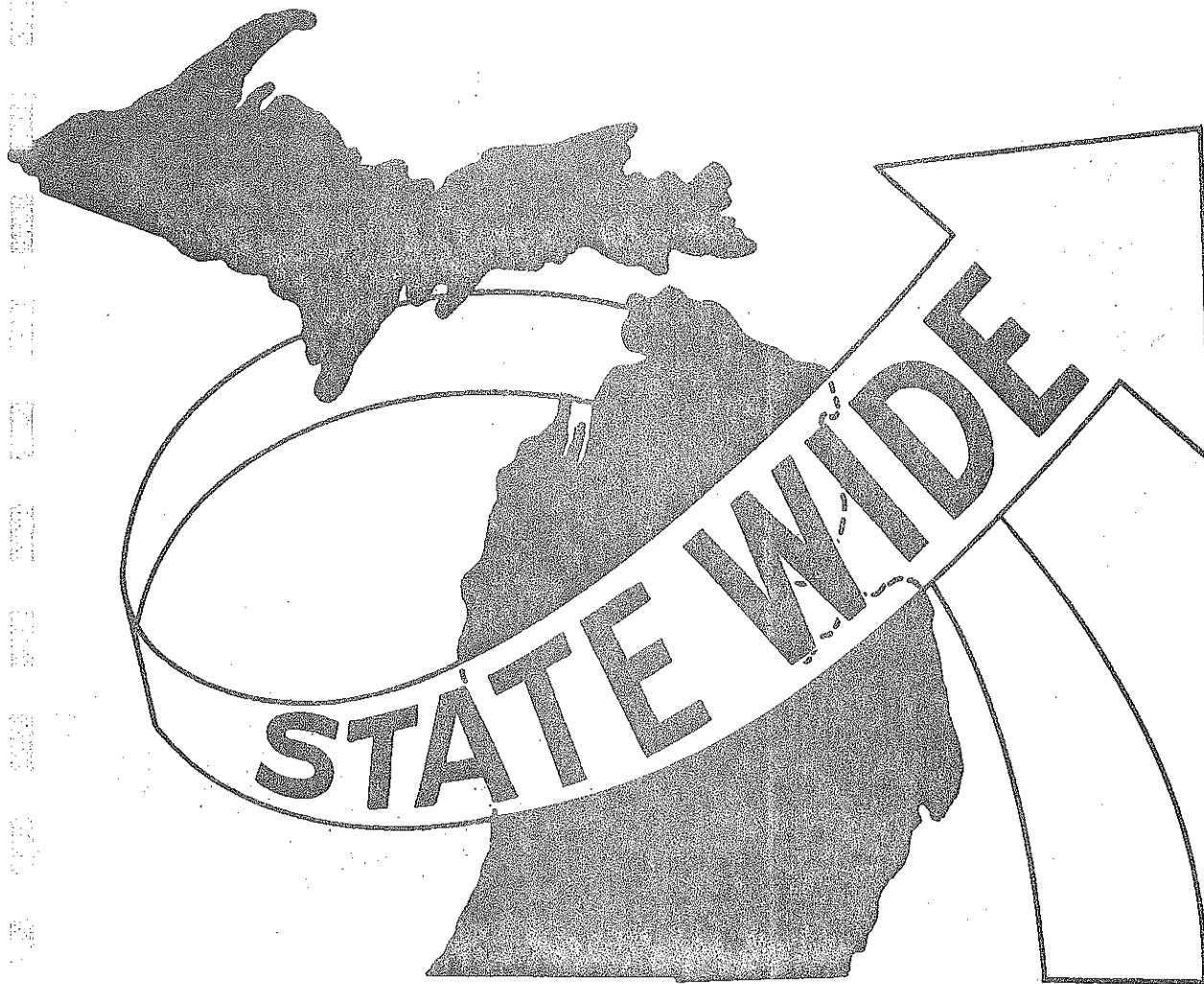
**MICHIGAN'S  
TRANSPORTATION MODELING SYSTEM**

**547 ZONE  
NORTH AMERICA ANALYSIS ZONES**

The previous reports in the series are:

|        |          |   |
|--------|----------|---|
| Volume | I --     | Objectives and Work Program   |
| Volume | I-A--    | Region 4 Workshop Topic Summaries   |
| Volume | I-B--    | Single and Multiple Corridor Analysis   |
| Volume | I-C--    | Model Applications: Turnbacks   |
| Volume | I-D--    | Proximity Analysis: Social Impacts of Alternate Highway Plans on Public Facilities              |
| Volume | I-E--    | Model Applications: Cost-Benefit Analysis   |
| Volume | I-F--    | Air and Noise Pollution System Analysis Model   |
| Volume | I-G--    | Transportation Planning Psychological Impact Model  |
| Volume | I-H--    | Level of Service Systems Analysis Model: A Public Interaction Application                       |
| Volume | I-J--    | Service-Area Model  |
| Volume | I-K--    | Effective Speed Model: A Public Interaction Tool  |
| Volume | I-L--    | System Impact Analysis Graphic Display  |
| Volume | I-M--    | Modeling Gasoline Consumption   |
| Volume | II --    | Development of Network Models   |
| Volume | III --   | Multi-Level Highway Network Generator ("Segmental Model")                                       |
| Volume | III-A--  | Semi-Automatic Network Generator Using a "Digitizer"  |
| Volume | V        | Part A ---Travel Model Development: Reformation-Trip Data Bank Preparation                      |
| Volume | V        | Part B --Development of the Statewide Socio-Economic Data Bank for Trip Generation-Distribution |
| Volume | VI --    | Corridor Location Dynamics  |
| Volume | VI-A--   | Environmental Sensitivity Computer Mapping  |
| Volume | VII --   | Design Hour Volume Model Development  |
| Volume | VII-A--  | Capacity Adequacy Forecasting Model   |
| Volume | VII-B--  | Modeling Major Facility Opening Impact on DHV   |
| Volume | VIII --  | Statewide Public and Private Facility File  |
| Volume | IX --    | Statewide Socio-Economic Data File  |
| Volume | X-A--    | Statewide Travel Impact Analysis Procedures   |
| Volume | X-B--    | Statewide Social Impact Analysis Procedures   |
| Volume | X-C--    | Statewide Economic Impact Analysis Procedures   |
| Volume | XI --    | Computer Run Times - An Aid in Selecting Statewide Travel Model System Size                     |
| Volume | XIII --  | Michigan Goes Multi-Modal   |
| Volume | XIII-A-- | Multi-Modal Mobility and Accessibility Analysis   |

**COMMODITY  
FLOW MATRIX  
DEVELOPMENT**



# COMMODITY FLOW MATRIX DEVELOPMENT

The process for creating the commodity flow matrix occurred in three steps (illustrated in Figure 4):

- (1) building a file to match the SPLC (Standard Point Location Code) found on the waybill tapes to Michigan's 547 zone system,

- (2) matching the origin and destination SPLCs on the waybill file to zones, and

- (3) building the flow matrix.

The original SPLC master file contained: SPLC, a six-digit number; alphabetic place name, state, and county in the U.S.; and place name and province in Canada. The SPLC-to-zone file that was created included only Michigan, Wisconsin, Illinois, Indiana, and Ohio (see Figures 1 and 2). The Michigan SPLCs were matched by a FORTRAN program to the Statewide Auto-Coding Place File, and mismatches were corrected by hand. The four other states' zones are multi-county zones, so the FORTRAN routine simply matched county names to zones, requiring no manual correction.

The waybill file and the SPLC-to-zone file were matched by a second FORTRAN program. This routine assigned the distant out-of-state SPLCs to zones (see Figure 3) based on the first two digits of the SPLC. The Canadian zones were assigned by ranges of SPLCs (based on visual inspection of the Canadian portion of the original SPLC master file) in this program.

# FLOWCHART OF COMMODITY FLOW MATRIX DEVELOPMENT

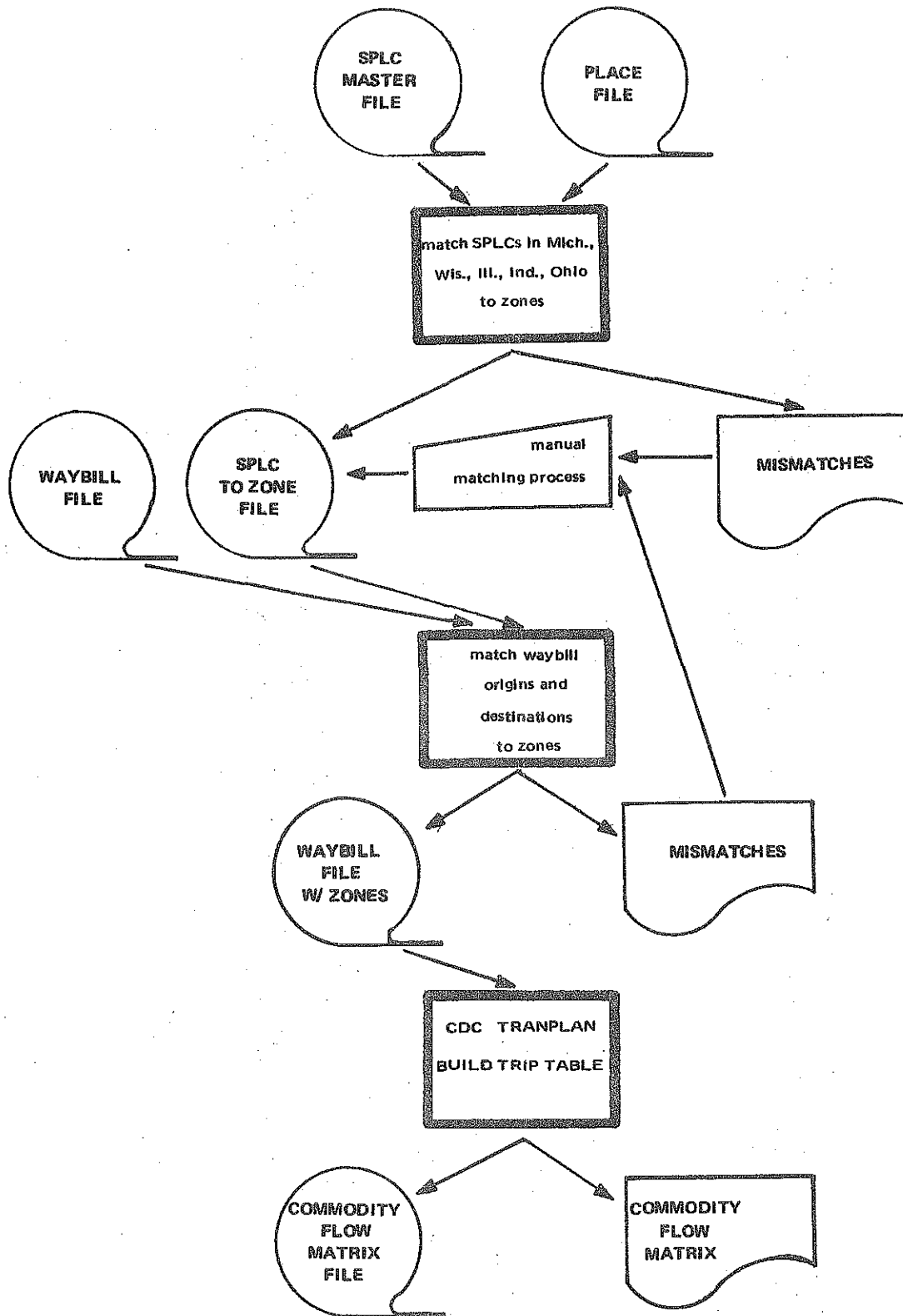


FIGURE 4

Entries for which SPLCs were missing were matched to zones manually utilizing a second place code on the waybill, the Freight Station Accounting Code (FSAC).

For the 1% waybill, the matching process was quite good: of the 14,760 entries on the waybill file, only one could not be matched to a statewide zone. That entry, reproduced in Figure 5 was missing its origin SPLC and the railroad portion of its FSAC was not listed in the 1969 or 1974 FSAC Directory.

Building the commodity flow matrix was accomplished using Control Data Corporation's DCO Tranplan Build Trip Table program. That program's output is presented in the following section.



DATA NOT INCLUDED IN COMMODITY FLOW MATRIX

ALL SHIPMENTS ORIGINATING OR TERMINATING IN MICHIGAN 1972 1% SAMPLE

4672

32031116 +80 32031116

310+80 31

-0

35+40 (679) 110455022061

2001MP



MISSING ORIGIN SPLC

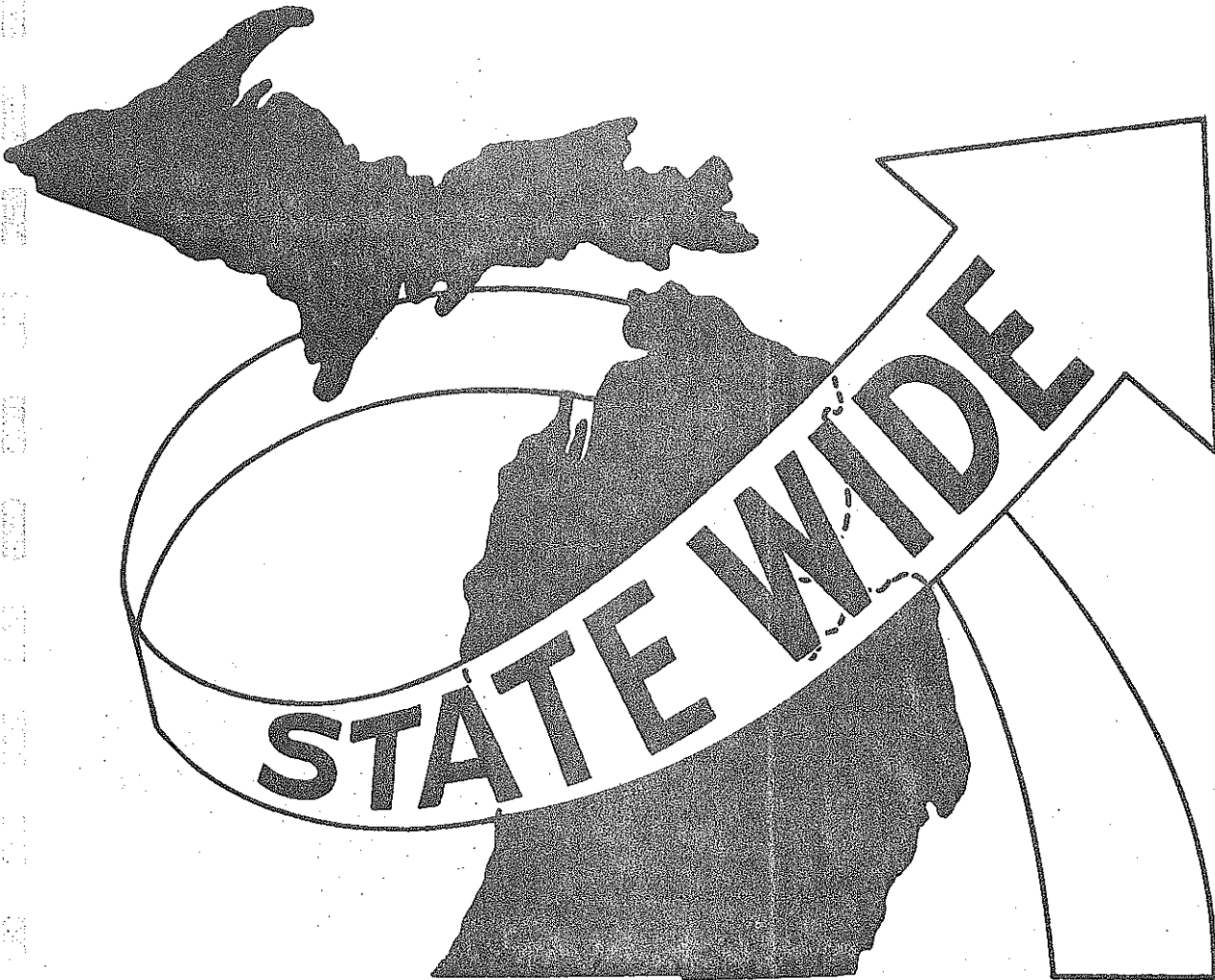


NON-EXISTENT RAILROAD CODE

FIGURE 5

**COMMODITY**

**FLOW MATRIX**



# COMMODITY FLOW MATRIX

The matrix of commodity flows presented in Appendix I represents the movements of carloads of freight of all kinds from each zone to every other zone on all railroads shipping to or from Michigan in 1972. As such, it represents only a fragment of the data potential on the original waybill file. Other tables may be built to report tons, revenues, or short-line miles, rather than carloads. And any of the data items listed in Figure 6 may be used to sort out shipments by selected classes. For example, STCCs (Standard Transportation Commodity Codes) could be sorted on, to give an analysis of flows of commodities which are and are not transferable to truck.

Trip end summaries, such as that presented in Appendix II, may be generated from the commodity flow matrix to show the totals (cars, tons, revenues, short-line miles) originating and terminating at each zone.

Note that "PURPOSE 1" on the matrix and the trip end summary refers to the initial run, and represents all commodities.

The trip end summary of Appendix II was compared with the Federal Railway Administration (FRA) figures for total originations and terminations at rail stations in Michigan, presented in Appendix III. Although the general distribution of the zone totals compares favorably for the majority of zones, two problems are apparent. First, the totals from FRA are on the average 32% greater than the factored waybill totals (statewide 2.1 million carloads versus 1.6 million). Second, some zones with large totals from FRA are extremely

## DATA AVAILABLE FROM WAYBILL FILE

All Shipments Originating or Terminating in Michigan 1972 1% Sample

1. Serial number
2. Waybill number
3. Waybill date
4. Terminating year
5. Number of cars
6. Car initial
7. Car number
8. Origin and destination railroad
9. Origin and destination station
10. Rate types
11. Commodity (STCC)
12. Weight
13. Revenue
14. Transaction code and date
15. Origin and destination junctions
16. Origin and destination distances
17. Origin and destination SPLC
18. Origin and destination rate area
19. Origin and destination territory
20. Shortline miles
21. Tons
22. Special commodity class

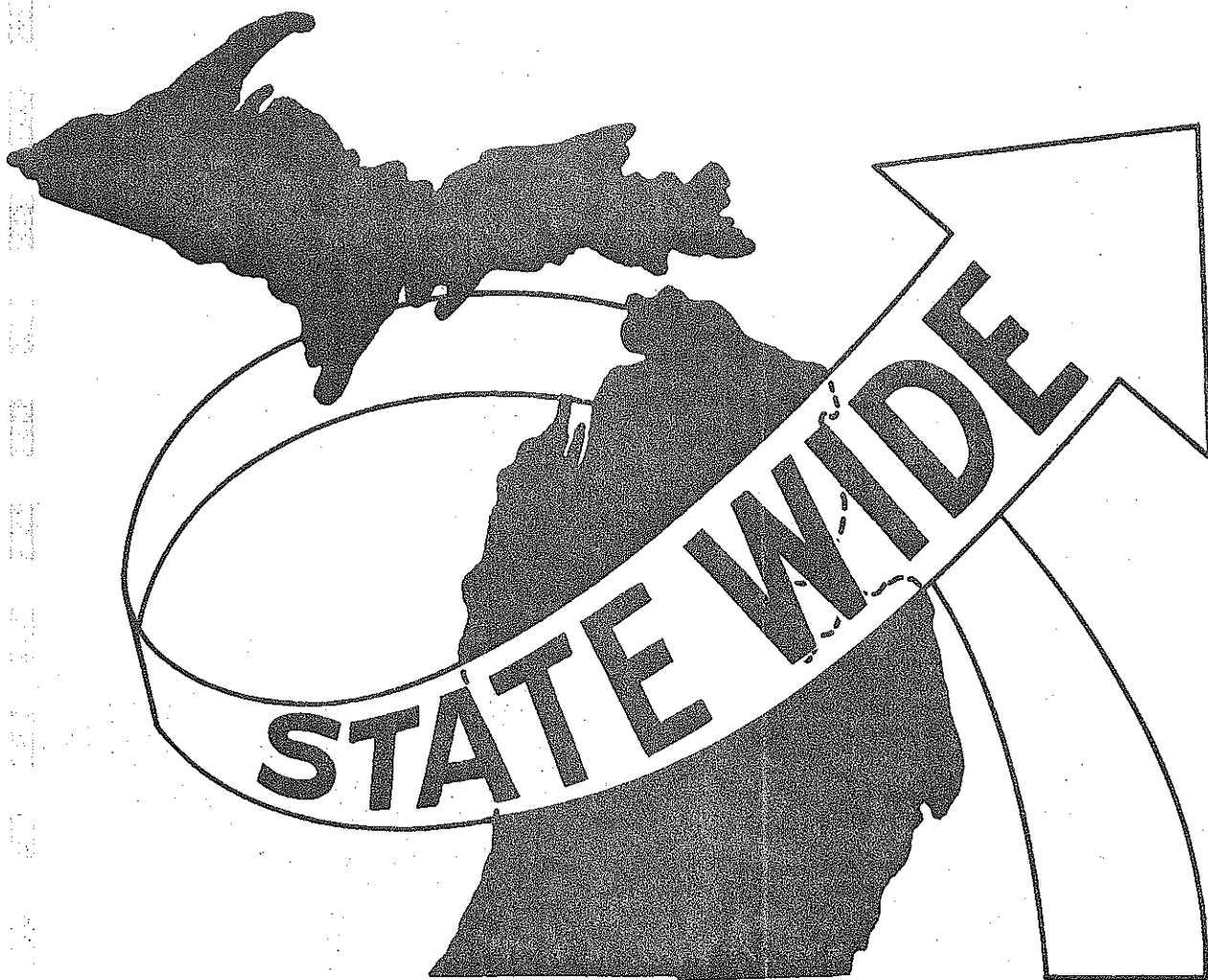
- 1 = farm, forest, and marine products
- 2 = ores, minerals, and petroleum products
- 3 = manufactured goods, except in 4
- 4 = assembled transportation vehicles
- 5 = misc. other

FIGURE 6

low on the waybill. Such discrepancies exist due to the effects of seasonal variations in rail traffic and the 1% sampling of the waybill.

The 1% sample waybill is partial data, and must therefore be used with caution. However, general validation with the FRA figures, and inclusion of 100% samples from the Penn Central and Ann Arbor lines into a modified Michigan rail traffic matrix will provide a reliable data base for rail planning in Michigan in the near future.

# CONCLUSION



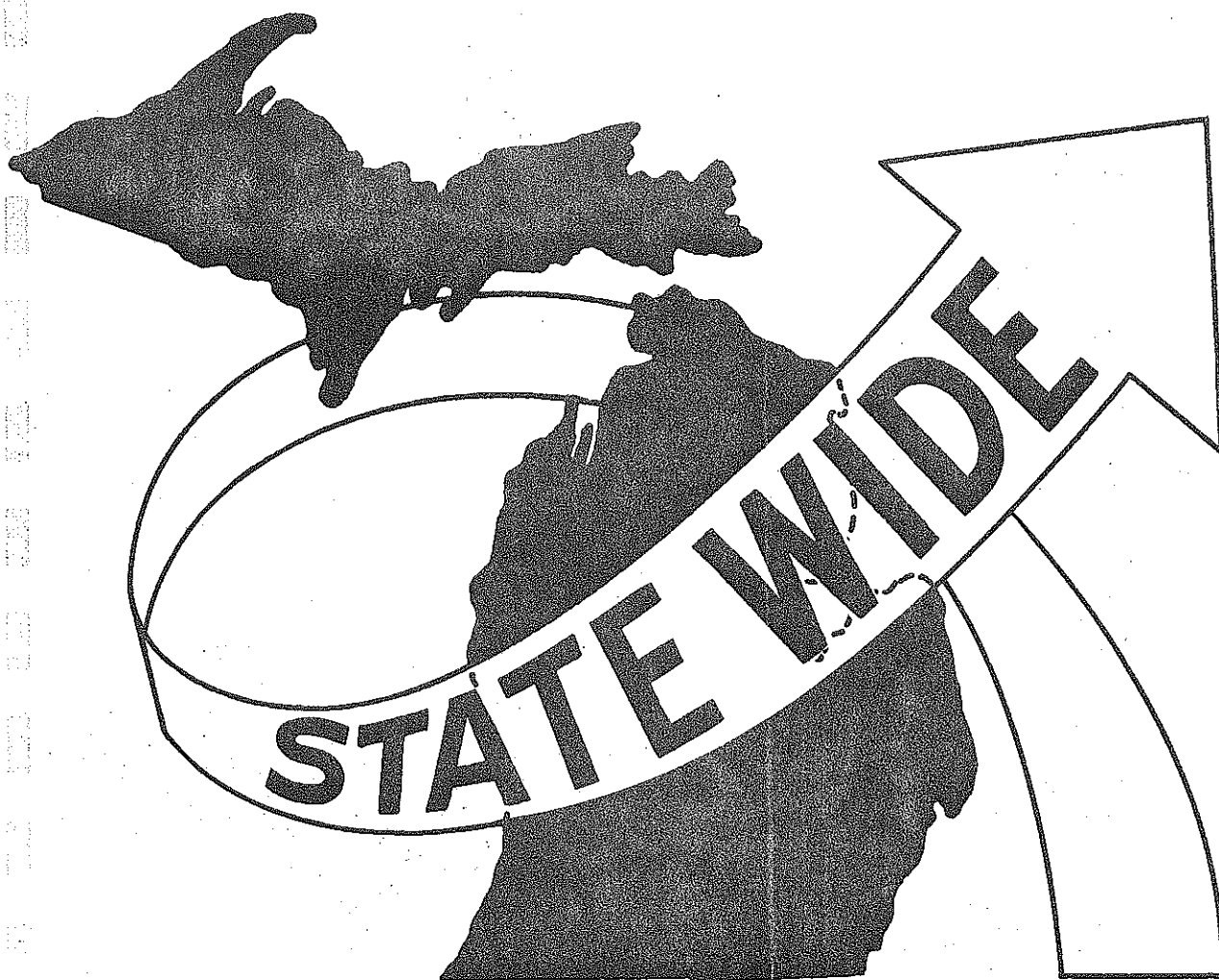
# CONCLUSION

A criticism of the USRA rail planning to date is that it has been done link by link, rather than at a system level. Michigan, which stands to be greatly impacted economically and socially by the final outcome of the current rail reorganization, is moving toward a more comprehensive approach than that taken by USRA thus far.

Michigan's data base, as described in this series of reports, is quite good for rail commodity movements. When all commodity flow matrices are built, an accurate matrix of all commodity rail movements in Michigan will be available for assignment to the Statewide rail network. One of the first analyses to be performed with that data will likely be loading those commodities which are "truck transferable" and those which are not, to determine the impacts of rail abandonments. The viability analysis program developed by USRA to determine the economic viability of rail segments for its Preliminary System Plan, is also being implemented on the Statewide System. It will possibly be modified to better reflect Michigan's rail planning needs.

In short, Michigan's Department of State Highways and Transportation is rapidly building its planning capabilities and data base, to meet the challenge of providing planning information from Michigan to the Congress and the legislature to help structure a viable rail system.

# APPENDIX I





| ORIGIN ZONE | 1   | PURPOSE | 1   | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |         |  |
|-------------|-----|---------|-----|----------------------|-----|-----|-----|-----|-----|-----|---------|--|
| ORIGIN ZONE | 2   | PURPOSE | 1   | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |         |  |
| ORIGIN ZONE | 3   | PURPOSE | 1   | 400 TOTAL ORIG/PROD  |     |     |     |     |     |     |         |  |
| TO ZONE     | -1- | -2-     | -3- | -4-                  | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |
| 521         | 0   | 100     | 0   | 0                    | 0   | 0   | 0   | 0   | 0   | 0   | 530     |  |
| 531         | 0   | 0       | 0   | 0                    | 0   | 0   | 0   | 0   | 200 | 100 | 540     |  |
| ORIGIN ZONE | 4   | PURPOSE | 1   | 2100 TOTAL ORIG/PROD |     |     |     |     |     |     |         |  |
| TO ZONE     | -1- | -2-     | -3- | -4-                  | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |
| 81          | 0   | 0       | 100 | 0                    | 0   | 0   | 0   | 0   | 0   | 0   | 90      |  |
| 101         | 0   | 0       | 0   | 0                    | 0   | 400 | 0   | 0   | 0   | 0   | 110     |  |
| 141         | 0   | 0       | 0   | 0                    | 0   | 100 | 0   | 0   | 0   | 0   | 150     |  |
| 511         | 0   | 0       | 0   | 0                    | 0   | 0   | 0   | 0   | 100 | 0   | 520     |  |
| 521         | 100 | 1200    | 0   | 0                    | 0   | 0   | 0   | 0   | 0   | 0   | 530     |  |
| 541         | 0   | 100     | 0   | 0                    | 0   | 0   | 0   | 0   | 0   | 0   |         |  |
| ORIGIN ZONE | 5   | PURPOSE | 1   | 100 TOTAL ORIG/PROD  |     |     |     |     |     |     |         |  |
| TO ZONE     | -1- | -2-     | -3- | -4-                  | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |
| 421         | 0   | 0       | 0   | 0                    | 0   | 0   | 0   | 0   | 0   | 100 | 430     |  |
| ORIGIN ZONE | 6   | PURPOSE | 1   | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |         |  |
| ORIGIN ZONE | 7   | PURPOSE | 1   | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |         |  |
| ORIGIN ZONE | 8   | PURPOSE | 1   | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |         |  |
| ORIGIN ZONE | 9   | PURPOSE | 1   | 1400 TOTAL ORIG/PROD |     |     |     |     |     |     |         |  |
| TO ZONE     | -1- | -2-     | -3- | -4-                  | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |
| 231         | 0   | 0       | 0   | 0                    | 0   | 0   | 100 | 0   | 0   | 0   | 240     |  |
| 481         | 0   | 0       | 0   | 0                    | 0   | 200 | 0   | 0   | 0   | 0   | 490     |  |
| 521         | 0   | 100     | 0   | 0                    | 100 | 0   | 0   | 0   | 0   | 0   | 530     |  |
| 531         | 0   | 0       | 100 | 0                    | 0   | 0   | 0   | 0   | 200 | 0   | 540     |  |
| 541         | 0   | 0       | 0   | 0                    | 100 | 300 | 200 | 0   | 0   | 0   |         |  |

COMMODITY FLOW MATRIX



|             |         |         |     |                      |     |     |     |     |     |     |     |         |  |
|-------------|---------|---------|-----|----------------------|-----|-----|-----|-----|-----|-----|-----|---------|--|
| ORIGIN ZONE | 19      | PURPOSE | 1   | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |         |  |
| ORIGIN ZONE | 20      | PURPOSE | 1   | 1400 TOTAL ORIG/PROD |     |     |     |     |     |     |     |         |  |
|             | TO ZONE | -1-     | -2- | -3-                  | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |
|             | 321     | 0       | 0   | 0                    | 0   | 0   | 500 | 0   | 0   | 0   | 0   | 330     |  |
|             | 531     | 0       | 0   | 0                    | 0   | 0   | 0   | 0   | 0   | 400 | 500 | 540     |  |
| ORIGIN ZONE | 21      | PURPOSE | 1   | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |         |  |
| ORIGIN ZONE | 22      | PURPOSE | 1   | 2200 TOTAL ORIG/PROD |     |     |     |     |     |     |     |         |  |
|             | TO ZONE | -1-     | -2- | -3-                  | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |
|             | 101     | 0       | 0   | 0                    | 0   | 0   | 200 | 0   | 0   | 0   | 0   | 110     |  |
|             | 141     | 0       | 0   | 0                    | 0   | 0   | 0   | 600 | 0   | 0   | 0   | 150     |  |
|             | 291     | 0       | 0   | 0                    | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 300     |  |
|             | 521     | 200     | 0   | 100                  | 0   | 100 | 100 | 0   | 0   | 0   | 0   | 530     |  |
|             | 541     | 0       | 0   | 200                  | 200 | 100 | 300 | 0   | 0   | 0   | 0   |         |  |
| ORIGIN ZONE | 23      | PURPOSE | 1   | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |         |  |
| ORIGIN ZONE | 24      | PURPOSE | 1   | 100 TOTAL ORIG/PROD  |     |     |     |     |     |     |     |         |  |
|             | TO ZONE | -1-     | -2- | -3-                  | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |
|             | 521     | 0       | 100 | 0                    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 530     |  |
| ORIGIN ZONE | 25      | PURPOSE | 1   | 100 TOTAL ORIG/PROD  |     |     |     |     |     |     |     |         |  |
|             | TO ZONE | -1-     | -2- | -3-                  | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |
|             | 541     | 0       | 0   | 0                    | 0   | 0   | 100 | 0   | 0   | 0   | 0   |         |  |
| ORIGIN ZONE | 26      | PURPOSE | 1   | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |         |  |
| ORIGIN ZONE | 27      | PURPOSE | 1   | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |         |  |
| ORIGIN ZONE | 28      | PURPOSE | 1   | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |         |  |
| ORIGIN ZONE | 29      | PURPOSE | 1   | 5600 TOTAL ORIG/PROD |     |     |     |     |     |     |     |         |  |

| TO ZONE        | -1-       | -2-                  | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|----------------|-----------|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| -CONTINUED-    |           |                      |     |     |     |     |     |     |     |     |         |
| 121            | 0         | 0                    | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 0   | 130     |
| 401            | 0         | 0                    | 0   | 0   | 0   | 0   | 0   | 0   | 300 | 0   | 410     |
| 481            | 0         | 0                    | 0   | 200 | 0   | 0   | 0   | 0   | 0   | 0   | 490     |
| 491            | 0         | 0                    | 300 | 0   | 300 | 0   | 500 | 0   | 0   | 0   | 500     |
| 521            | 0         | 0                    | 300 | 0   | 200 | 0   | 0   | 0   | 0   | 0   | 530     |
| 531            | 0         | 0                    | 0   | 100 | 0   | 0   | 0   | 0   | 200 | 100 | 540     |
| 541            | 0         | 100                  | 600 | 600 | 0   | 900 | 800 |     |     |     |         |
| ORIGIN ZONE 30 | PURPOSE 1 | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |     |         |
| ORIGIN ZONE 31 | PURPOSE 1 | 100 TOTAL ORIG/PROD  |     |     |     |     |     |     |     |     |         |
| TO ZONE        | -1-       | -2-                  | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
| 541            | 0         | 100                  | 0   | 0   | 0   | 0   | 0   |     |     |     |         |
| ORIGIN ZONE 32 | PURPOSE 1 | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |     |         |
| ORIGIN ZONE 33 | PURPOSE 1 | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |     |         |
| ORIGIN ZONE 34 | PURPOSE 1 | 100 TOTAL ORIG/PROD  |     |     |     |     |     |     |     |     |         |
| TO ZONE        | -1-       | -2-                  | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
| 541            | 0         | 0                    | 0   | 0   | 0   | 0   | 100 |     |     |     |         |
| ORIGIN ZONE 35 | PURPOSE 1 | 100 TOTAL ORIG/PROD  |     |     |     |     |     |     |     |     |         |
| TO ZONE        | -1-       | -2-                  | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
| 521            | 0         | 100                  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 530     |
| ORIGIN ZONE 36 | PURPOSE 1 | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |     |         |
| ORIGIN ZONE 37 | PURPOSE 1 | 5600 TOTAL ORIG/PROD |     |     |     |     |     |     |     |     |         |
| TO ZONE        | -1-       | -2-                  | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
| 31             | 0         | 0                    | 0   | 0   | 0   | 0   | 400 | 0   | 0   | 0   | 40      |
| 251            | 0         | 0                    | 0   | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 260     |
| 521            | 100       | 0                    | 0   | 0   | 400 | 200 | 0   | 100 | 0   | 0   | 530     |
| 531            | 0         | 0                    | 100 | 100 | 0   | 0   | 0   | 0   | 0   | 200 | 540     |
| 541            | 300       | 600                  | 900 | 900 | 100 | 800 | 300 |     |     |     |         |

MICHIGAN STATEWIDE TRANSPORTATION MODELING SYSTEM  
 1 PERCENT WAYBILL SAMPLE OF ALL RAIL MOVEMENTS WITH ORIG OR DEST IN MICH  
 CARLOADS OF FREIGHT SHIPPED (FACTORED BY 100)

|             |     |         |     |                      |      |     |      |     |     |     |      |         |
|-------------|-----|---------|-----|----------------------|------|-----|------|-----|-----|-----|------|---------|
| ORIGIN ZONE | 38  | PURPOSE | 1   | 7800 TOTAL ORIG/PROD |      |     |      |     |     |     |      |         |
| TO ZONE     |     | -1-     | -2- | -3-                  | -4-  | -5- | -6-  | -7- | -8- | -9- | -0-  | TO ZONE |
|             | 521 | 0       | 0   | 0                    | 0    | 0   | 1500 | 0   | 0   | 0   | 0    | 530     |
|             | 531 | 0       | 0   | 100                  | 2700 | 800 | 0    | 0   | 0   | 200 | 1000 | 540     |
|             | 541 | 300     | 900 | 0                    | 0    | 0   | 300  | 0   |     |     |      |         |
| ORIGIN ZONE | 39  | PURPOSE | 1   | 0 TOTAL ORIG/PROD    |      |     |      |     |     |     |      |         |
| ORIGIN ZONE | 40  | PURPOSE | 1   | 600 TOTAL ORIG/PROD  |      |     |      |     |     |     |      |         |
| TO ZONE     |     | -1-     | -2- | -3-                  | -4-  | -5- | -6-  | -7- | -8- | -9- | -0-  | TO ZONE |
|             | 521 | 0       | 0   | 0                    | 0    | 100 | 0    | 0   | 0   | 0   | 0    | 530     |
|             | 541 | 0       | 0   | 300                  | 200  | 0   | 0    | 0   |     |     |      |         |
| ORIGIN ZONE | 41  | PURPOSE | 1   | 200 TOTAL ORIG/PROD  |      |     |      |     |     |     |      |         |
| TO ZONE     |     | -1-     | -2- | -3-                  | -4-  | -5- | -6-  | -7- | -8- | -9- | -0-  | TO ZONE |
|             | 541 | 0       | 0   | 0                    | 0    | 0   | 200  | 0   |     |     |      |         |
| ORIGIN ZONE | 42  | PURPOSE | 1   | 0 TOTAL ORIG/PROD    |      |     |      |     |     |     |      |         |
| ORIGIN ZONE | 43  | PURPOSE | 1   | 0 TOTAL ORIG/PROD    |      |     |      |     |     |     |      |         |
| ORIGIN ZONE | 44  | PURPOSE | 1   | 100 TOTAL ORIG/PROD  |      |     |      |     |     |     |      |         |
| TO ZONE     |     | -1-     | -2- | -3-                  | -4-  | -5- | -6-  | -7- | -8- | -9- | -0-  | TO ZONE |
|             | 541 | 0       | 0   | 0                    | 0    | 100 | 0    | 0   |     |     |      |         |
| ORIGIN ZONE | 45  | PURPOSE | 1   | 200 TOTAL ORIG/PROD  |      |     |      |     |     |     |      |         |
| TO ZONE     |     | -1-     | -2- | -3-                  | -4-  | -5- | -6-  | -7- | -8- | -9- | -0-  | TO ZONE |
|             | 541 | 0       | 100 | 0                    | 100  | 0   | 0    | 0   |     |     |      |         |
| ORIGIN ZONE | 46  | PURPOSE | 1   | 0 TOTAL ORIG/PROD    |      |     |      |     |     |     |      |         |
| ORIGIN ZONE | 47  | PURPOSE | 1   | 100 TOTAL ORIG/PROD  |      |     |      |     |     |     |      |         |
| TO ZONE     |     | -1-     | -2- | -3-                  | -4-  | -5- | -6-  | -7- | -8- | -9- | -0-  | TO ZONE |



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|             |     |         |      |                     |      |      |      |     |      |      |         |
|-------------|-----|---------|------|---------------------|------|------|------|-----|------|------|---------|
| 521         | 0   | 100     | 0    | 0                   | 2500 | 400  | 900  | 0   | 0    | 0    | 530     |
| 531         | 0   | 100     | 0    | 0                   | 0    | 0    | 100  | 200 | 1200 | 1600 | 540     |
| 541         | 900 | 2300    | 1500 | 5100                | 200  | 5300 | 4800 |     |      |      |         |
| ORIGIN ZONE | 56  | PURPOSE | 1    | 100 TOTAL ORIG/PROD |      |      |      |     |      |      |         |
| TO ZONE     | -1- | -2-     | -3-  | -4-                 | -5-  | -6-  | -7-  | -8- | -9-  | -0-  | TO ZONE |
| 491         | 0   | 0       | 100  | 0                   | 0    | 0    | 0    | 0   | 0    | 0    | 500     |
| ORIGIN ZONE | 57  | PURPOSE | 1    | 0 TOTAL ORIG/PROD   |      |      |      |     |      |      |         |
| ORIGIN ZONE | 58  | PURPOSE | 1    | 0 TOTAL ORIG/PROD   |      |      |      |     |      |      |         |
| ORIGIN ZONE | 59  | PURPOSE | 1    | 0 TOTAL ORIG/PROD   |      |      |      |     |      |      |         |
| ORIGIN ZONE | 60  | PURPOSE | 1    | 0 TOTAL ORIG/PROD   |      |      |      |     |      |      |         |
| ORIGIN ZONE | 61  | PURPOSE | 1    | 0 TOTAL ORIG/PROD   |      |      |      |     |      |      |         |
| ORIGIN ZONE | 62  | PURPOSE | 1    | 0 TOTAL ORIG/PROD   |      |      |      |     |      |      |         |
| ORIGIN ZONE | 63  | PURPOSE | 1    | 0 TOTAL ORIG/PROD   |      |      |      |     |      |      |         |
| ORIGIN ZONE | 64  | PURPOSE | 1    | 0 TOTAL ORIG/PROD   |      |      |      |     |      |      |         |
| ORIGIN ZONE | 65  | PURPOSE | 1    | 0 TOTAL ORIG/PROD   |      |      |      |     |      |      |         |
| ORIGIN ZONE | 66  | PURPOSE | 1    | 200 TOTAL ORIG/PROD |      |      |      |     |      |      |         |
| TO ZONE     | -1- | -2-     | -3-  | -4-                 | -5-  | -6-  | -7-  | -8- | -9-  | -0-  | TO ZONE |
| 541         | 0   | 0       | 0    | 100                 | 0    | 0    | 100  |     |      |      |         |
| ORIGIN ZONE | 67  | PURPOSE | 1    | 0 TOTAL ORIG/PROD   |      |      |      |     |      |      |         |

| ORIGIN ZONE    | PURPOSE   | 500 TOTAL ORIG/PROD  |     |     |     |     |     |     |     |     |         |
|----------------|-----------|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| TO ZONE        | -1-       | -2-                  | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
| 521            | 0         | 0                    | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 530     |
| 541            | 0         | 100                  | 0   | 0   | 0   | 200 | 100 | 0   | 0   | 0   |         |
| ORIGIN ZONE 69 | PURPOSE 1 | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |     |         |
| ORIGIN ZONE 70 | PURPOSE 1 | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |     |         |
| ORIGIN ZONE 71 | PURPOSE 1 | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |     |         |
| ORIGIN ZONE 72 | PURPOSE 1 | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |     |         |
| ORIGIN ZONE 73 | PURPOSE 1 | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |     |         |
| ORIGIN ZONE 74 | PURPOSE 1 | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |     |         |
| ORIGIN ZONE 75 | PURPOSE 1 | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |     |         |
| ORIGIN ZONE 76 | PURPOSE 1 | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |     |         |
| ORIGIN ZONE 77 | PURPOSE 1 | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |     |         |
| ORIGIN ZONE 78 | PURPOSE 1 | 100 TOTAL ORIG/PROD  |     |     |     |     |     |     |     |     |         |
| TO ZONE        | -1-       | -2-                  | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
| 291            | 100       | 0                    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 300     |
| ORIGIN ZONE 79 | PURPOSE 1 | 2800 TOTAL ORIG/PROD |     |     |     |     |     |     |     |     |         |
| TO ZONE        | -1-       | -2-                  | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
| 281            | 0         | 0                    | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 290     |
| 491            | 0         | 0                    | 100 | 0   | 0   | 0   | 100 | 0   | 0   | 0   | 500     |
| 501            | 0         | 100                  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 510     |
| 521            | 0         | 800                  | 0   | 0   | 300 | 0   | 0   | 0   | 0   | 0   | 530     |
| 531            | 0         | 0                    | 0   | 100 | 0   | 0   | 0   | 100 | 200 | 200 | 540     |





CONTROL DATA 6600  
 TRANPLAN SYSTEM  
 VERSION 3.0.7

MICHIGAN STATEWIDE TRANSPORTATION MODELING SYSTEM  
 1 PERCENT WAYBILL SAMPLE OF ALL RAIL MOVEMENTS WITH ORIG OR DEST IN MICH  
 CARLOADS OF FREIGHT SHIPPED (FACTORED BY 100)

PAGE NO. 10  
 DATE 27 AUG 75  
 TIME 12.02.40

| ORIGIN ZONE     | PURPOSE   | 100 TOTAL ORIG/PROD |     |     |     |     |     |     |     |     |         |
|-----------------|-----------|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| TO ZONE         | -1-       | -2-                 | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
| 241             | 0         | 0                   | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 0   | 250     |
| ORIGIN ZONE 90  | PURPOSE 1 | 0 TOTAL ORIG/PROD   |     |     |     |     |     |     |     |     |         |
| ORIGIN ZONE 91  | PURPOSE 1 | 0 TOTAL ORIG/PROD   |     |     |     |     |     |     |     |     |         |
| ORIGIN ZONE 92  | PURPOSE 1 | 200 TOTAL ORIG/PROD |     |     |     |     |     |     |     |     |         |
| TO ZONE         | -1-       | -2-                 | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
| 541             | 0         | 0                   | 0   | 0   | 0   | 100 | 100 |     |     |     |         |
| ORIGIN ZONE 93  | PURPOSE 1 | 0 TOTAL ORIG/PROD   |     |     |     |     |     |     |     |     |         |
| ORIGIN ZONE 94  | PURPOSE 1 | 0 TOTAL ORIG/PROD   |     |     |     |     |     |     |     |     |         |
| ORIGIN ZONE 95  | PURPOSE 1 | 0 TOTAL ORIG/PROD   |     |     |     |     |     |     |     |     |         |
| ORIGIN ZONE 96  | PURPOSE 1 | 0 TOTAL ORIG/PROD   |     |     |     |     |     |     |     |     |         |
| ORIGIN ZONE 97  | PURPOSE 1 | 0 TOTAL ORIG/PROD   |     |     |     |     |     |     |     |     |         |
| ORIGIN ZONE 98  | PURPOSE 1 | 0 TOTAL ORIG/PROD   |     |     |     |     |     |     |     |     |         |
| ORIGIN ZONE 99  | PURPOSE 1 | 0 TOTAL ORIG/PROD   |     |     |     |     |     |     |     |     |         |
| ORIGIN ZONE 100 | PURPOSE 1 | 0 TOTAL ORIG/PROD   |     |     |     |     |     |     |     |     |         |
| ORIGIN ZONE 101 | PURPOSE 1 | 0 TOTAL ORIG/PROD   |     |     |     |     |     |     |     |     |         |
| ORIGIN ZONE 102 | PURPOSE 1 | 0 TOTAL ORIG/PROD   |     |     |     |     |     |     |     |     |         |



| ORIGIN ZONE     | PURPOSE   | 1                    | TOTAL ORIG/PROD |     |     |     |      |     |     |     |         | TO ZONE |
|-----------------|-----------|----------------------|-----------------|-----|-----|-----|------|-----|-----|-----|---------|---------|
| TO ZONE         | -1-       | -2-                  | -3-             | -4- | -5- | -6- | -7-  | -8- | -9- | -0- | TO ZONE |         |
| 101             | 0         | 0                    | 27900           | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 110     |         |
| ORIGIN ZONE 111 | PURPOSE 1 | 3800 TOTAL ORIG/PROD |                 |     |     |     |      |     |     |     |         |         |
| TO ZONE         | -1-       | -2-                  | -3-             | -4- | -5- | -6- | -7-  | -8- | -9- | -0- | TO ZONE |         |
| 511             | 0         | 0                    | 0               | 0   | 0   | 100 | 0    | 0   | 0   | 0   | 520     |         |
| 521             | 0         | 800                  | 0               | 0   | 0   | 0   | 2900 | 0   | 0   | 0   | 530     |         |
| ORIGIN ZONE 112 | PURPOSE 1 | 900 TOTAL ORIG/PROD  |                 |     |     |     |      |     |     |     |         |         |
| TO ZONE         | -1-       | -2-                  | -3-             | -4- | -5- | -6- | -7-  | -8- | -9- | -0- | TO ZONE |         |
| 511             | 0         | 0                    | 0               | 0   | 0   | 100 | 0    | 0   | 400 | 0   | 520     |         |
| 521             | 100       | 300                  | 0               | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 530     |         |
| ORIGIN ZONE 113 | PURPOSE 1 | 100 TOTAL ORIG/PROD  |                 |     |     |     |      |     |     |     |         |         |
| TO ZONE         | -1-       | -2-                  | -3-             | -4- | -5- | -6- | -7-  | -8- | -9- | -0- | TO ZONE |         |
| 521             | 0         | 0                    | 0               | 0   | 0   | 100 | 0    | 0   | 0   | 0   | 530     |         |
| ORIGIN ZONE 114 | PURPOSE 1 | 0 TOTAL ORIG/PROD    |                 |     |     |     |      |     |     |     |         |         |
| ORIGIN ZONE 115 | PURPOSE 1 | 0 TOTAL ORIG/PROD    |                 |     |     |     |      |     |     |     |         |         |
| ORIGIN ZONE 116 | PURPOSE 1 | 100 TOTAL ORIG/PROD  |                 |     |     |     |      |     |     |     |         |         |
| TO ZONE         | -1-       | -2-                  | -3-             | -4- | -5- | -6- | -7-  | -8- | -9- | -0- | TO ZONE |         |
| 541             | 0         | 0                    | 100             | 0   | 0   | 0   | 0    | 0   | 0   | 0   |         |         |
| ORIGIN ZONE 117 | PURPOSE 1 | 0 TOTAL ORIG/PROD    |                 |     |     |     |      |     |     |     |         |         |
| ORIGIN ZONE 118 | PURPOSE 1 | 0 TOTAL ORIG/PROD    |                 |     |     |     |      |     |     |     |         |         |
| ORIGIN ZONE 119 | PURPOSE 1 | 0 TOTAL ORIG/PROD    |                 |     |     |     |      |     |     |     |         |         |
| ORIGIN ZONE 120 | PURPOSE 1 | 0 TOTAL ORIG/PROD    |                 |     |     |     |      |     |     |     |         |         |

| ORIGIN ZONE | PURPOSE | TOTAL ORIG/PROD |       |       |      |      |      |     |      |      |         |
|-------------|---------|-----------------|-------|-------|------|------|------|-----|------|------|---------|
| TO ZONE     | -1-     | -2-             | -3-   | -4-   | -5-  | -6-  | -7-  | -8- | -9-  | -0-  | TO ZONE |
| 121         | 1       | 0               |       |       |      |      |      |     |      |      |         |
| 122         | 1       | 100             |       |       |      |      |      |     |      |      |         |
| 541         | 0       | 0               | 0     | 0     | 0    | 0    | 0    | 0   | 0    | 0    | 100     |
| 123         | 1       | 0               |       |       |      |      |      |     |      |      |         |
| 124         | 1       | 0               |       |       |      |      |      |     |      |      |         |
| 125         | 1       | 0               |       |       |      |      |      |     |      |      |         |
| 126         | 1       | 1500            |       |       |      |      |      |     |      |      |         |
| 391         | 0       | 0               | 0     | 0     | 300  | 0    | 0    | 0   | 0    | 0    | 400     |
| 521         | 0       | 100             | 500   | 0     | 600  | 0    | 0    | 0   | 0    | 0    | 530     |
| 127         | 1       | 0               |       |       |      |      |      |     |      |      |         |
| 128         | 1       | 73600           |       |       |      |      |      |     |      |      |         |
| 131         | 0       | 700             | 0     | 0     | 0    | 0    | 0    | 0   | 0    | 0    | 140     |
| 181         | 0       | 0               | 200   | 0     | 0    | 0    | 0    | 0   | 0    | 0    | 190     |
| 231         | 0       | 0               | 0     | 0     | 0    | 100  | 0    | 0   | 0    | 0    | 240     |
| 321         | 0       | 0               | 100   | 0     | 0    | 0    | 0    | 0   | 0    | 0    | 330     |
| 351         | 0       | 0               | 0     | 0     | 0    | 0    | 0    | 300 | 0    | 0    | 360     |
| 361         | 0       | 0               | 0     | 0     | 0    | 0    | 0    | 0   | 0    | 300  | 370     |
| 401         | 0       | 0               | 0     | 0     | 0    | 0    | 0    | 0   | 2100 | 0    | 410     |
| 481         | 0       | 0               | 0     | 4000  | 0    | 0    | 0    | 0   | 0    | 0    | 490     |
| 491         | 0       | 0               | 0     | 0     | 1000 | 0    | 0    | 0   | 100  | 0    | 500     |
| 521         | 0       | 0               | 4000  | 0     | 600  | 0    | 1000 | 0   | 0    | 0    | 530     |
| 531         | 0       | 0               | 100   | 500   | 300  | 0    | 800  | 0   | 1400 | 1000 | 540     |
| 541         | 2200    | 5900            | 18300 | 12600 | 1900 | 8200 | 5300 | 0   | 0    | 0    | 0       |
| 129         | 1       | 0               |       |       |      |      |      |     |      |      |         |

ORIGIN ZONE 130 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 131 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 132 PURPOSE 1 14800 TOTAL ORIG/PROD

| TO ZONE | -1- | -2-  | -3-  | -4- | -5-  | -6-  | -7- | -8-  | -9-  | -0- | TO ZONE |
|---------|-----|------|------|-----|------|------|-----|------|------|-----|---------|
| 121     | 0   | 0    | 0    | 0   | 0    | 0    | 0   | 2000 | 0    | 0   | 130     |
| 181     | 0   | 0    | 800  | 0   | 0    | 0    | 0   | 0    | 0    | 0   | 190     |
| 231     | 0   | 0    | 0    | 0   | 0    | 200  | 0   | 0    | 0    | 0   | 240     |
| 261     | 0   | 0    | 0    | 0   | 0    | 100  | 0   | 0    | 0    | 0   | 270     |
| 351     | 0   | 0    | 0    | 0   | 0    | 0    | 0   | 800  | 0    | 0   | 360     |
| 401     | 0   | 0    | 0    | 0   | 0    | 0    | 0   | 0    | 1200 | 0   | 410     |
| 481     | 0   | 0    | 0    | 400 | 0    | 0    | 0   | 0    | 0    | 0   | 490     |
| 491     | 0   | 0    | 400  | 0   | 1500 | 0    | 0   | 0    | 0    | 0   | 500     |
| 501     | 0   | 100  | 0    | 0   | 0    | 0    | 0   | 0    | 0    | 0   | 510     |
| 521     | 0   | 0    | 100  | 0   | 100  | 0    | 0   | 0    | 0    | 0   | 530     |
| 531     | 0   | 0    | 0    | 0   | 0    | 0    | 0   | 0    | 400  | 500 | 540     |
| 541     | 200 | 1100 | 1500 | 900 | 0    | 1900 | 600 | 0    | 0    | 0   |         |

ORIGIN ZONE 133 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 134 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 135 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 136 PURPOSE 1 3400 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 181     | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 190     |
| 351     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 300 | 0   | 0   | 360     |
| 481     | 0   | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 0   | 490     |
| 491     | 0   | 0   | 200 | 0   | 300 | 0   | 0   | 0   | 0   | 0   | 500     |
| 521     | 0   | 0   | 200 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 530     |
| 531     | 0   | 0   | 0   | 0   | 300 | 0   | 0   | 0   | 900 | 0   | 540     |
| 541     | 0   | 0   | 400 | 0   | 0   | 400 | 200 | 0   | 0   | 0   |         |

ORIGIN ZONE 137 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 138 PURPOSE 1 0 TOTAL ORIG/PROD



| ORIGIN ZONE | PURPOSE | TOTAL ORIG/PROD |     |     |     |     |     |     |     |     |     | TO ZONE |
|-------------|---------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
|             |         | -1-             | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- |         |
| 15          | 1       | 1850            |     |     |     |     |     |     |     |     |     |         |
| 21          |         | 0               | 100 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 30      |
| 521         |         | 1700            | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 530     |
| 151         | 1       | 400             |     |     |     |     |     |     |     |     |     |         |
| 401         |         | 0               | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 410     |
| 541         |         | 0               | 100 | 0   | 0   | 0   | 200 | 0   |     |     |     |         |
| 152         | 1       | 0               |     |     |     |     |     |     |     |     |     |         |
| 153         | 1       | 0               |     |     |     |     |     |     |     |     |     |         |
| 154         | 1       | 0               |     |     |     |     |     |     |     |     |     |         |
| 155         | 1       | 0               |     |     |     |     |     |     |     |     |     |         |
| 156         | 1       | 2900            |     |     |     |     |     |     |     |     |     |         |
| 431         |         | 0               | 100 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 440     |
| 521         |         | 200             | 100 | 200 | 0   | 100 | 200 | 0   | 0   | 0   | 0   | 530     |
| 531         |         | 0               | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 700 | 0   | 540     |
| 541         |         | 200             | 600 | 0   | 100 | 0   | 300 | 100 |     |     |     |         |
| 157         | 1       | 100             |     |     |     |     |     |     |     |     |     |         |
| 521         |         | 0               | 0   | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 530     |
| 158         | 1       | 1000            |     |     |     |     |     |     |     |     |     |         |
| 541         |         | 0               | 0   | 0   | 0   | 0   | 100 | 900 |     |     |     |         |
| 159         | 1       | 200             |     |     |     |     |     |     |     |     |     |         |







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|                 |           |                       |     |     |     |     |     |      |     |     |         |     |
|-----------------|-----------|-----------------------|-----|-----|-----|-----|-----|------|-----|-----|---------|-----|
| 531             | 0         | 0                     | 0   | 0   | 0   | 0   | 0   | 0    | 0   | 300 | 0       | 540 |
| 541             | 0         | 0                     | 0   | 0   | 0   | 200 | 500 |      |     |     |         |     |
| ORIGIN ZONE 178 | PURPOSE 1 | 200 TOTAL ORIG/PROD   |     |     |     |     |     |      |     |     |         |     |
| TO ZONE         | -1-       | -2-                   | -3- | -4- | -5- | -6- | -7- | -8-  | -9- | -0- | TO ZONE |     |
| 401             | 0         | 0                     | 0   | 0   | 0   | 0   | 0   | 0    | 100 | 0   | 410     |     |
| 541             | 0         | 0                     | 0   | 0   | 0   | 0   | 100 |      |     |     |         |     |
| ORIGIN ZONE 179 | PURPOSE 1 | 1000 TOTAL ORIG/PROD  |     |     |     |     |     |      |     |     |         |     |
| TO ZONE         | -1-       | -2-                   | -3- | -4- | -5- | -6- | -7- | -8-  | -9- | -0- | TO ZONE |     |
| 401             | 0         | 0                     | 0   | 0   | 0   | 0   | 0   | 0    | 100 | 0   | 410     |     |
| 491             | 0         | 0                     | 0   | 0   | 300 | 0   | 0   | 0    | 0   | 0   | 500     |     |
| 521             | 0         | 0                     | 0   | 0   | 100 | 0   | 0   | 0    | 0   | 0   | 530     |     |
| 531             | 0         | 0                     | 0   | 0   | 0   | 0   | 100 | 0    | 0   | 0   | 540     |     |
| 541             | 0         | 0                     | 0   | 0   | 0   | 200 | 200 |      |     |     |         |     |
| ORIGIN ZONE 180 | PURPOSE 1 | 0 TOTAL ORIG/PROD     |     |     |     |     |     |      |     |     |         |     |
| ORIGIN ZONE 181 | PURPOSE 1 | 3000 TOTAL ORIG/PROD  |     |     |     |     |     |      |     |     |         |     |
| TO ZONE         | -1-       | -2-                   | -3- | -4- | -5- | -6- | -7- | -8-  | -9- | -0- | TO ZONE |     |
| 121             | 0         | 0                     | 0   | 0   | 0   | 0   | 0   | 600  | 0   | 0   | 130     |     |
| 401             | 0         | 0                     | 0   | 0   | 0   | 0   | 0   | 0    | 200 | 0   | 410     |     |
| 491             | 0         | 0                     | 200 | 400 | 0   | 100 | 0   | 0    | 0   | 0   | 500     |     |
| 531             | 0         | 0                     | 0   | 0   | 0   | 0   | 100 | 0    | 200 | 300 | 540     |     |
| 541             | 0         | 0                     | 100 | 0   | 0   | 400 | 400 |      |     |     |         |     |
| ORIGIN ZONE 182 | PURPOSE 1 | 0 TOTAL ORIG/PROD     |     |     |     |     |     |      |     |     |         |     |
| ORIGIN ZONE 183 | PURPOSE 1 | 30700 TOTAL ORIG/PROD |     |     |     |     |     |      |     |     |         |     |
| TO ZONE         | -1-       | -2-                   | -3- | -4- | -5- | -6- | -7- | -8-  | -9- | -0- | TO ZONE |     |
| 121             | 0         | 0                     | 0   | 0   | 0   | 0   | 0   | 600  | 0   | 0   | 130     |     |
| 281             | 0         | 0                     | 0   | 0   | 0   | 100 | 0   | 0    | 0   | 0   | 290     |     |
| 351             | 0         | 0                     | 0   | 0   | 0   | 0   | 0   | 1100 | 0   | 0   | 360     |     |
| 401             | 0         | 0                     | 0   | 0   | 0   | 0   | 0   | 0    | 200 | 0   | 410     |     |
| 411             | 100       | 0                     | 0   | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 420     |     |
| 481             | 0         | 0                     | 0   | 200 | 0   | 0   | 0   | 0    | 0   | 0   | 490     |     |
| 491             | 0         | 0                     | 300 | 0   | 0   | 0   | 200 | 0    | 0   | 0   | 500     |     |

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|                 |           |      |                     |      |      |      |      |     |     |     |         |
|-----------------|-----------|------|---------------------|------|------|------|------|-----|-----|-----|---------|
| 521             | 0         | 0    | 500                 | 0    | 200  | 0    | 900  | 0   | 0   | 0   | 530     |
| 531             | 0         | 0    | 0                   | 0    | 800  | 0    | 0    | 0   | 600 | 400 | 540     |
| 541             | 700       | 1700 | 7700                | 2900 | 1600 | 7500 | 2400 |     |     |     |         |
| ORIGIN ZONE 184 | PURPOSE 1 |      | 0 TOTAL ORIG/PROD   |      |      |      |      |     |     |     |         |
| ORIGIN ZONE 185 | PURPOSE 1 |      | 0 TOTAL ORIG/PROD   |      |      |      |      |     |     |     |         |
| ORIGIN ZONE 186 | PURPOSE 1 |      | 600 TOTAL ORIG/PROD |      |      |      |      |     |     |     |         |
| TO ZONE         | -1-       | -2-  | -3-                 | -4-  | -5-  | -6-  | -7-  | -8- | -9- | -0- | TO ZONE |
| 541             | 0         | 100  | 200                 | 200  | 0    | 100  | 0    |     |     |     |         |
| ORIGIN ZONE 187 | PURPOSE 1 |      | 0 TOTAL ORIG/PROD   |      |      |      |      |     |     |     |         |
| ORIGIN ZONE 188 | PURPOSE 1 |      | 0 TOTAL ORIG/PROD   |      |      |      |      |     |     |     |         |
| ORIGIN ZONE 189 | PURPOSE 1 |      | 0 TOTAL ORIG/PROD   |      |      |      |      |     |     |     |         |
| ORIGIN ZONE 190 | PURPOSE 1 |      | 0 TOTAL ORIG/PROD   |      |      |      |      |     |     |     |         |
| ORIGIN ZONE 191 | PURPOSE 1 |      | 100 TOTAL ORIG/PROD |      |      |      |      |     |     |     |         |
| TO ZONE         | -1-       | -2-  | -3-                 | -4-  | -5-  | -6-  | -7-  | -8- | -9- | -0- | TO ZONE |
| 521             | 0         | 0    | 0                   | 0    | 0    | 100  | 0    | 0   | 0   | 0   | 530     |
| ORIGIN ZONE 192 | PURPOSE 1 |      | 600 TOTAL ORIG/PROD |      |      |      |      |     |     |     |         |
| TO ZONE         | -1-       | -2-  | -3-                 | -4-  | -5-  | -6-  | -7-  | -8- | -9- | -0- | TO ZONE |
| 531             | 0         | 0    | 100                 | 0    | 0    | 0    | 0    | 0   | 0   | 0   | 540     |
| 541             | 0         | 0    | 400                 | 0    | 0    | 0    | 100  |     |     |     |         |
| ORIGIN ZONE 193 | PURPOSE 1 |      | 0 TOTAL ORIG/PROD   |      |      |      |      |     |     |     |         |
| ORIGIN ZONE 194 | PURPOSE 1 |      | 200 TOTAL ORIG/PROD |      |      |      |      |     |     |     |         |

| TO ZONE         | -1-         | -2- | -3- | -4-  | -5-             | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|-----------------|-------------|-----|-----|------|-----------------|-----|-----|-----|-----|-----|---------|
|                 | -CONTINUED- |     |     |      |                 |     |     |     |     |     |         |
| 541             | 0           | 0   | 0   | 0    | 0               | 0   | 200 |     |     |     |         |
| ORIGIN ZONE 195 | PURPOSE 1   |     |     | 0    | TOTAL ORIG/PROD |     |     |     |     |     |         |
| ORIGIN ZONE 196 | PURPOSE 1   |     |     | 0    | TOTAL ORIG/PROD |     |     |     |     |     |         |
| ORIGIN ZONE 197 | PURPOSE 1   |     |     | 0    | TOTAL ORIG/PROD |     |     |     |     |     |         |
| ORIGIN ZONE 198 | PURPOSE 1   |     |     | 0    | TOTAL ORIG/PROD |     |     |     |     |     |         |
| ORIGIN ZONE 199 | PURPOSE 1   |     |     | 0    | TOTAL ORIG/PROD |     |     |     |     |     |         |
| ORIGIN ZONE 200 | PURPOSE 1   |     |     | 100  | TOTAL ORIG/PROD |     |     |     |     |     |         |
| TO ZONE         | -1-         | -2- | -3- | -4-  | -5-             | -6- | -7- | -8- | -9- | -0- | TO ZONE |
| 541             | 0           | 0   | 0   | 100  | 0               | 0   | 0   |     |     |     |         |
| ORIGIN ZONE 201 | PURPOSE 1   |     |     | 1100 | TOTAL ORIG/PROD |     |     |     |     |     |         |
| TO ZONE         | -1-         | -2- | -3- | -4-  | -5-             | -6- | -7- | -8- | -9- | -0- | TO ZONE |
| 321             | 0           | 0   | 0   | 0    | 0               | 300 | 0   | 0   | 0   | 0   | 330     |
| 531             | 0           | 0   | 0   | 0    | 0               | 0   | 0   | 0   | 100 | 500 | 540     |
| 541             | 0           | 0   | 0   | 0    | 0               | 200 | 0   |     |     |     |         |
| ORIGIN ZONE 202 | PURPOSE 1   |     |     | 0    | TOTAL ORIG/PROD |     |     |     |     |     |         |
| ORIGIN ZONE 203 | PURPOSE 1   |     |     | 0    | TOTAL ORIG/PROD |     |     |     |     |     |         |
| ORIGIN ZONE 204 | PURPOSE 1   |     |     | 100  | TOTAL ORIG/PROD |     |     |     |     |     |         |
| TO ZONE         | -1-         | -2- | -3- | -4-  | -5-             | -6- | -7- | -8- | -9- | -0- | TO ZONE |
| 341             | 0           | 100 | 0   | 0    | 0               | 0   | 0   | 0   | 0   | 0   | 350     |
| ORIGIN ZONE 205 | PURPOSE 1   |     |     | 8500 | TOTAL ORIG/PROD |     |     |     |     |     |         |
| TO ZONE         | -1-         | -2- | -3- | -4-  | -5-             | -6- | -7- | -8- | -9- | -0- | TO ZONE |

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|                 |           |                      |     |     |     |     |     |     |     |     |         |
|-----------------|-----------|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 101             | 0         | 0                    | 200 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 110     |
| 521             | 0         | 200                  | 100 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 530     |
| ORIGIN ZONE 206 | PURPOSE 1 | 600 TOTAL ORIG/PROD  |     |     |     |     |     |     |     |     |         |
| TO ZONE         | -1-       | -2-                  | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
| 141             | 0         | 0                    | 0   | 0   | 0   | 0   | 0   | 200 | 0   | 0   | 150     |
| 521             | 400       | 0                    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 530     |
| ORIGIN ZONE 207 | PURPOSE 1 | 900 TOTAL ORIG/PROD  |     |     |     |     |     |     |     |     |         |
| TO ZONE         | -1-       | -2-                  | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
| 141             | 0         | 0                    | 0   | 0   | 0   | 0   | 0   | 200 | 0   | 0   | 150     |
| 511             | 0         | 0                    | 0   | 0   | 0   | 0   | 0   | 0   | 200 | 0   | 520     |
| 521             | 100       | 300                  | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 530     |
| ORIGIN ZONE 208 | PURPOSE 1 | 100 TOTAL ORIG/PROD  |     |     |     |     |     |     |     |     |         |
| TO ZONE         | -1-       | -2-                  | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
| 521             | 0         | 100                  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 530     |
| ORIGIN ZONE 209 | PURPOSE 1 | 1200 TOTAL ORIG/PROD |     |     |     |     |     |     |     |     |         |
| TO ZONE         | -1-       | -2-                  | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
| 511             | 0         | 0                    | 0   | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 520     |
| 521             | 200       | 900                  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 530     |
| ORIGIN ZONE 210 | PURPOSE 1 | 300 TOTAL ORIG/PROD  |     |     |     |     |     |     |     |     |         |
| TO ZONE         | -1-       | -2-                  | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
| 151             | 0         | 0                    | 0   | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 160     |
| 431             | 0         | 0                    | 100 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 440     |
| 541             | 0         | 0                    | 0   | 0   | 0   | 100 | 0   | 0   | 0   | 0   |         |
| ORIGIN ZONE 211 | PURPOSE 1 | 200 TOTAL ORIG/PROD  |     |     |     |     |     |     |     |     |         |
| TO ZONE         | -1-       | -2-                  | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
| 541             | 0         | 0                    | 0   | 200 | 0   | 0   | 0   | 0   | 0   | 0   |         |
| ORIGIN ZONE 212 | PURPOSE 1 | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |     |         |

ORIGIN ZONE 213 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 214 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 215 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 216 PURPOSE 1 7000 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3-  | -4- | -5- | -6- | -7-  | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|------|-----|-----|-----|------|-----|-----|-----|---------|
| 121     | 0   | 0   | 0    | 0   | 0   | 0   | 0    | 300 | 0   | 0   | 130     |
| 181     | 0   | 0   | 100  | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 190     |
| 491     | 0   | 0   | 1400 | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 500     |
| 521     | 0   | 0   | 300  | 0   | 500 | 0   | 0    | 0   | 0   | 0   | 530     |
| 531     | 0   | 0   | 0    | 0   | 0   | 0   | 1000 | 0   | 800 | 200 | 540     |
| 541     | 200 | 200 | 1100 | 100 | 0   | 700 | -100 |     |     |     |         |

ORIGIN ZONE 217 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 218 PURPOSE 1 100 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 541     | 0   | 0   | 0   | 0   | 0   | 100 | 0   |     |     |     |         |

ORIGIN ZONE 219 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 220 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 221 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 222 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 223 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 224 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 225 PURPOSE 1 0 TOTAL ORIG/PROD

| ORIGIN ZONE 226 |     | PURPOSE 1 |      | 18200 TOTAL ORIG/PROD |     |      |      |     |      |     |         |  |  |
|-----------------|-----|-----------|------|-----------------------|-----|------|------|-----|------|-----|---------|--|--|
| TO ZONE         | -1- | -2-       | -3-  | -4-                   | -5- | -6-  | -7-  | -8- | -9-  | -0- | TO ZONE |  |  |
| 21              | 0   | 0         | 0    | 0                     | 0   | 0    | 0    | 0   | 100  | 0   | 30      |  |  |
| 121             | 0   | 0         | 0    | 0                     | 0   | 0    | 0    | 500 | 0    | 0   | 130     |  |  |
| 181             | 0   | 0         | 1100 | 0                     | 0   | 0    | 0    | 0   | 0    | 0   | 190     |  |  |
| 351             | 0   | 0         | 0    | 0                     | 0   | 0    | 0    | 200 | 0    | 0   | 360     |  |  |
| 361             | 0   | 0         | 0    | 0                     | 0   | 0    | 0    | 0   | 0    | 100 | 370     |  |  |
| 401             | 0   | 0         | 0    | 0                     | 0   | 0    | 0    | 0   | 1700 | 0   | 410     |  |  |
| 441             | 0   | 100       | 0    | 0                     | 0   | 0    | 0    | 0   | 0    | 0   | 450     |  |  |
| 481             | 0   | 0         | 0    | 600                   | 0   | 0    | 0    | 0   | 0    | 0   | 490     |  |  |
| 491             | 0   | 0         | 0    | 0                     | 400 | 0    | 0    | 0   | 0    | 0   | 500     |  |  |
| 521             | 0   | 100       | 800  | 200                   | 100 | 0    | 0    | 0   | 0    | 100 | 530     |  |  |
| 531             | 0   | 0         | 0    | 0                     | 200 | 0    | 0    | 200 | 900  | 400 | 540     |  |  |
| 541             | 600 | 2000      | 1800 | 1600                  | 400 | 2800 | 1200 |     |      |     |         |  |  |

| ORIGIN ZONE 227 |     | PURPOSE 1 |     | 200 TOTAL ORIG/PROD |     |     |     |     |     |     |         |  |  |
|-----------------|-----|-----------|-----|---------------------|-----|-----|-----|-----|-----|-----|---------|--|--|
| TO ZONE         | -1- | -2-       | -3- | -4-                 | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |  |
| 541             | 100 | 0         | 100 | 0                   | 0   | 0   | 0   |     |     |     |         |  |  |

ORIGIN ZONE 228 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 229 PURPOSE 1 0 TOTAL ORIG/PROD

| ORIGIN ZONE 230 |     | PURPOSE 1 |     | 800 TOTAL ORIG/PROD |     |     |     |     |     |     |         |  |  |
|-----------------|-----|-----------|-----|---------------------|-----|-----|-----|-----|-----|-----|---------|--|--|
| TO ZONE         | -1- | -2-       | -3- | -4-                 | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |  |
| 51              | 0   | 0         | 0   | 0                   | 300 | 0   | 0   | 0   | 0   | 0   | 60      |  |  |
| 531             | 0   | 0         | 0   | 0                   | 0   | 0   | 0   | 0   | 0   | 100 | 540     |  |  |
| 541             | 0   | 0         | 0   | 100                 | 0   | 0   | 300 |     |     |     |         |  |  |

ORIGIN ZONE 231 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 232 PURPOSE 1 0 TOTAL ORIG/PROD

| ORIGIN ZONE 233 |     | PURPOSE 1 |     | 200 TOTAL ORIG/PROD |     |     |     |     |     |     |         |  |  |
|-----------------|-----|-----------|-----|---------------------|-----|-----|-----|-----|-----|-----|---------|--|--|
| TO ZONE         | -1- | -2-       | -3- | -4-                 | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |  |
| 531             | 0   | 0         | 0   | 0                   | 0   | 0   | 0   | 100 | 0   | 0   | 540     |  |  |
| 541             | 0   | 0         | 0   | 100                 | 0   | 0   | 0   |     |     |     |         |  |  |



ORIGIN ZONE 234 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 235 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 236 PURPOSE 1 24700 TOTAL ORIG/PROD

| TO ZONE | -1- | -2-  | -3-  | -4-  | -5- | -6-  | -7-  | -8-  | -9-  | -0- | TO ZONE |
|---------|-----|------|------|------|-----|------|------|------|------|-----|---------|
| 31      | 0   | 0    | 0    | 0    | 0   | 0    | 100  | 0    | 0    | 0   | 40      |
| 121     | 0   | 0    | 0    | 0    | 0   | 0    | 0    | 900  | 0    | 0   | 130     |
| 181     | 0   | 0    | 900  | 0    | 0   | 0    | 0    | 0    | 0    | 0   | 190     |
| 231     | 0   | 0    | 0    | 0    | 0   | 100  | 0    | 0    | 0    | 0   | 240     |
| 281     | 0   | 0    | 0    | 0    | 0   | 0    | 100  | 0    | 0    | 0   | 290     |
| 351     | 0   | 0    | 0    | 0    | 0   | 0    | 0    | 1800 | 0    | 0   | 360     |
| 401     | 0   | 0    | 0    | 0    | 0   | 0    | 0    | 0    | 1400 | 0   | 410     |
| 481     | 0   | 0    | 0    | 100  | 0   | 0    | 0    | 0    | 0    | 0   | 490     |
| 491     | 0   | 0    | 300  | 200  | 700 | 0    | 0    | 0    | 0    | 0   | 500     |
| 501     | 100 | 0    | 0    | 0    | 0   | 0    | 0    | 0    | 0    | 0   | 510     |
| 521     | 0   | 200  | 1700 | 0    | 800 | 0    | 0    | 0    | 0    | 0   | 530     |
| 531     | 0   | 0    | 0    | 0    | 0   | 0    | 0    | 100  | 1300 | 100 | 540     |
| 541     | 800 | 1300 | 4300 | 2300 | 100 | 3900 | 1100 | 0    | 0    | 0   |         |

ORIGIN ZONE 237 PURPOSE 1 9700 TOTAL ORIG/PROD

| TO ZONE | -1- | -2-  | -3-  | -4-  | -5- | -6-  | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|------|------|------|-----|------|-----|-----|-----|-----|---------|
| 401     | 0   | 0    | 0    | 0    | 0   | 0    | 0   | 0   | 300 | 0   | 410     |
| 521     | 0   | 0    | 100  | 0    | 200 | 0    | 0   | 0   | 0   | 0   | 530     |
| 531     | 0   | 0    | 0    | 300  | 0   | 0    | 0   | 0   | 0   | 300 | 540     |
| 541     | 900 | 1700 | 1500 | 1600 | 500 | 1600 | 700 | 0   | 0   | 0   |         |

ORIGIN ZONE 238 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 239 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 240 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 241 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 242 PURPOSE 1 0 TOTAL ORIG/PROD

| ORIGIN ZONE | PURPOSE | TOTAL ORIG/PROD |     |     |     |     |     |     |     |     |         |
|-------------|---------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| TO ZONE     | -1-     | -2-             | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
| 243         | 1       | 0               |     |     |     |     |     |     |     |     |         |
| 244         | 1       | 500             |     |     |     |     |     |     |     |     |         |
| 51          | 0       | 0               | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 60      |
| 111         | 0       | 0               | 0   | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 120     |
| 541         | 0       | 0               | 0   | 0   | 0   | 200 | 100 |     |     |     |         |
| 245         | 1       | 100             |     |     |     |     |     |     |     |     |         |
| 541         | 0       | 0               | 0   | 0   | 0   | 0   | 100 |     |     |     |         |
| 246         | 1       | 0               |     |     |     |     |     |     |     |     |         |
| 247         | 1       | 0               |     |     |     |     |     |     |     |     |         |
| 248         | 1       | 100             |     |     |     |     |     |     |     |     |         |
| 331         | 0       | 0               | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 340     |
| 249         | 1       | 0               |     |     |     |     |     |     |     |     |         |
| 250         | 1       | 0               |     |     |     |     |     |     |     |     |         |
| 251         | 1       | 0               |     |     |     |     |     |     |     |     |         |
| 252         | 1       | 200             |     |     |     |     |     |     |     |     |         |
| 491         | 0       | 0               | 0   | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 500     |
| 541         | 0       | 0               | 0   | 0   | 100 | 0   | 0   |     |     |     |         |
| 253         | 1       | 0               |     |     |     |     |     |     |     |     |         |

|             |     |         |     |                      |     |      |     |     |     |     |         |  |  |
|-------------|-----|---------|-----|----------------------|-----|------|-----|-----|-----|-----|---------|--|--|
| ORIGIN ZONE | 254 | PURPOSE | 1   | 0 TOTAL ORIG/PROD    |     |      |     |     |     |     |         |  |  |
| ORIGIN ZONE | 255 | PURPOSE | 1   | 0 TOTAL ORIG/PROD    |     |      |     |     |     |     |         |  |  |
| ORIGIN ZONE | 256 | PURPOSE | 1   | 0 TOTAL ORIG/PROD    |     |      |     |     |     |     |         |  |  |
| ORIGIN ZONE | 257 | PURPOSE | 1   | 0 TOTAL ORIG/PROD    |     |      |     |     |     |     |         |  |  |
| ORIGIN ZONE | 258 | PURPOSE | 1   | 400 TOTAL ORIG/PROD  |     |      |     |     |     |     |         |  |  |
| TO ZONE     | -1- | -2-     | -3- | -4-                  | -5- | -6-  | -7- | -8- | -9- | -0- | TO ZONE |  |  |
| 541         | 0   | 0       | 0   | 0                    | 0   | 200  | 200 |     |     |     |         |  |  |
| ORIGIN ZONE | 259 | PURPOSE | 1   | 100 TOTAL ORIG/PROD  |     |      |     |     |     |     |         |  |  |
| TO ZONE     | -1- | -2-     | -3- | -4-                  | -5- | -6-  | -7- | -8- | -9- | -0- | TO ZONE |  |  |
| 541         | 0   | 0       | 0   | 100                  | 0   | 0    | 0   |     |     |     |         |  |  |
| ORIGIN ZONE | 260 | PURPOSE | 1   | 0 TOTAL ORIG/PROD    |     |      |     |     |     |     |         |  |  |
| ORIGIN ZONE | 261 | PURPOSE | 1   | 0 TOTAL ORIG/PROD    |     |      |     |     |     |     |         |  |  |
| ORIGIN ZONE | 262 | PURPOSE | 1   | 2400 TOTAL ORIG/PROD |     |      |     |     |     |     |         |  |  |
| TO ZONE     | -1- | -2-     | -3- | -4-                  | -5- | -6-  | -7- | -8- | -9- | -0- | TO ZONE |  |  |
| 501         | 300 | 0       | 0   | 0                    | 0   | 0    | 0   | 0   | 0   | 0   | 510     |  |  |
| 521         | 0   | 0       | 0   | 0                    | 100 | 0    | 0   | 0   | 0   | 0   | 530     |  |  |
| 531         | 0   | 0       | 0   | 0                    | 0   | 0    | 0   | 0   | 0   | 200 | 540     |  |  |
| 541         | 100 | 200     | 100 | 0                    | 100 | 1200 | 100 |     |     |     |         |  |  |
| ORIGIN ZONE | 263 | PURPOSE | 1   | 0 TOTAL ORIG/PROD    |     |      |     |     |     |     |         |  |  |
| ORIGIN ZONE | 264 | PURPOSE | 1   | 100 TOTAL ORIG/PROD  |     |      |     |     |     |     |         |  |  |
| TO ZONE     | -1- | -2-     | -3- | -4-                  | -5- | -6-  | -7- | -8- | -9- | -0- | TO ZONE |  |  |
| 531         | 0   | 0       | 0   | 0                    | 0   | 0    | 0   | 0   | 0   | 100 | 540     |  |  |

| ORIGIN ZONE | PURPOSE | TOTAL ORIG/PROD |     |     |     |     |     |     |     |     |         |
|-------------|---------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 265         | 1       | 0               |     |     |     |     |     |     |     |     |         |
| 266         | 1       | 1500            |     |     |     |     |     |     |     |     |         |
| TO ZONE     | -1-     | -2-             | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
| 121         | 0       | 0               | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 0   | 130     |
| 181         | 0       | 0               | 100 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 190     |
| 351         | 0       | 0               | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 0   | 360     |
| 521         | 0       | 100             | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 530     |
| 531         | 0       | 0               | 0   | 0   | 0   | 0   | 100 | 0   | 0   | 0   | 540     |
| 541         | 0       | 300             | 100 | 200 | 100 | 200 | 100 | 0   | 0   | 0   |         |
| 267         | 1       | 0               |     |     |     |     |     |     |     |     |         |
| 268         | 1       | 0               |     |     |     |     |     |     |     |     |         |
| 269         | 1       | 0               |     |     |     |     |     |     |     |     |         |
| 270         | 1       | 0               |     |     |     |     |     |     |     |     |         |
| 271         | 1       | 200             |     |     |     |     |     |     |     |     |         |
| TO ZONE     | -1-     | -2-             | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
| 51          | 0       | 0               | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 60      |
| 541         | 0       | 0               | 100 | 0   | 0   | 0   | 0   | 0   | 0   | 0   |         |
| 272         | 1       | 0               |     |     |     |     |     |     |     |     |         |
| 273         | 1       | 0               |     |     |     |     |     |     |     |     |         |
| 274         | 1       | 0               |     |     |     |     |     |     |     |     |         |
| 275         | 1       | 0               |     |     |     |     |     |     |     |     |         |
| 276         | 1       | 0               |     |     |     |     |     |     |     |     |         |

| ORIGIN ZONE | PURPOSE | TOTAL ORIG/PROD |      |     |     |     |     |     |     |     |     | TO ZONE |
|-------------|---------|-----------------|------|-----|-----|-----|-----|-----|-----|-----|-----|---------|
|             | -1-     | -2-             | -3-  | -4- | -5- | -6- | -7- | -8- | -9- | -0- |     |         |
| 277         | 1       | 2200            |      |     |     |     |     |     |     |     |     |         |
| 101         | 0       | 0               | 0    | 0   | 0   | 700 | 0   | 0   | 0   | 0   | 110 |         |
| 141         | 0       | 0               | 0    | 0   | 0   | 0   | 300 | 0   | 0   | 0   | 150 |         |
| 521         | 0       | 800             | 0    | 0   | 400 | 0   | 0   | 0   | 0   | 0   | 530 |         |
| 278         | 1       | 0               |      |     |     |     |     |     |     |     |     |         |
| 279         | 1       | 0               |      |     |     |     |     |     |     |     |     |         |
| 280         | 1       | 100             |      |     |     |     |     |     |     |     |     |         |
| 521         | 100     | 0               | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 530 |         |
| 281         | 1       | 0               |      |     |     |     |     |     |     |     |     |         |
| 282         | 1       | 500             |      |     |     |     |     |     |     |     |     |         |
| 521         | 100     | 400             | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 530 |         |
| 283         | 1       | 0               |      |     |     |     |     |     |     |     |     |         |
| 284         | 1       | 400             |      |     |     |     |     |     |     |     |     |         |
| 531         | 0       | 0               | 0    | 0   | 0   | 0   | 0   | 100 | 0   | 0   | 540 |         |
| 541         | 0       | 200             | 100  | 0   | 0   | 0   | 0   | 0   | 0   | 0   |     |         |
| 285         | 1       | 0               |      |     |     |     |     |     |     |     |     |         |
| 286         | 1       | 15400           |      |     |     |     |     |     |     |     |     |         |
| 351         | 0       | 0               | 0    | 0   | 0   | 0   | 0   | 100 | 0   | 0   | 360 |         |
| 361         | 0       | 0               | 0    | 100 | 0   | 0   | 0   | 0   | 0   | 0   | 370 |         |
| 491         | 0       | 0               | 1700 | 200 | 0   | 0   | 500 | 0   | 0   | 0   | 500 |         |

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|     |     |     |      |      |      |      |     |   |      |     |     |
|-----|-----|-----|------|------|------|------|-----|---|------|-----|-----|
| 521 | 0   | 100 | 0    | 0    | 1600 | 0    | 100 | 0 | 0    | 0   | 530 |
| 531 | 0   | 0   | 0    | 0    | 400  | 0    | 100 | 0 | 1000 | 300 | 540 |
| 541 | 800 | 900 | 3700 | 1100 | 300  | 2300 | 100 |   |      |     |     |

|             |     |         |     |                      |     |     |     |     |     |     |         |  |
|-------------|-----|---------|-----|----------------------|-----|-----|-----|-----|-----|-----|---------|--|
| ORIGIN ZONE | 287 | PURPOSE | 1   | 2000 TOTAL ORIG/PROD |     |     |     |     |     |     |         |  |
| TO ZONE     | -1- | -2-     | -3- | -4-                  | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |
| 361         | 0   | 0       | 0   | 200                  | 0   | 0   | 0   | 0   | 0   | 0   | 370     |  |
| 491         | 0   | 0       | 100 | 0                    | 0   | 0   | 0   | 0   | 0   | 0   | 500     |  |
| 501         | 300 | 0       | 0   | 0                    | 0   | 0   | 0   | 0   | 0   | 0   | 510     |  |
| 521         | 0   | 0       | 0   | 0                    | 300 | 0   | 0   | 0   | 0   | 0   | 530     |  |
| 541         | 0   | 300     | 300 | 300                  | 0   | 200 | 0   |     |     |     |         |  |

|             |     |         |     |                     |     |     |     |     |     |     |         |  |
|-------------|-----|---------|-----|---------------------|-----|-----|-----|-----|-----|-----|---------|--|
| ORIGIN ZONE | 288 | PURPOSE | 1   | 100 TOTAL ORIG/PROD |     |     |     |     |     |     |         |  |
| TO ZONE     | -1- | -2-     | -3- | -4-                 | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |
| 541         | 0   | 0       | 0   | 0                   | 0   | 100 | 0   |     |     |     |         |  |

|             |     |         |     |                     |     |     |     |     |     |     |         |  |
|-------------|-----|---------|-----|---------------------|-----|-----|-----|-----|-----|-----|---------|--|
| ORIGIN ZONE | 289 | PURPOSE | 1   | 800 TOTAL ORIG/PROD |     |     |     |     |     |     |         |  |
| TO ZONE     | -1- | -2-     | -3- | -4-                 | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |
| 541         | 0   | 0       | 400 | 200                 | 200 | 0   | 0   |     |     |     |         |  |

|             |     |         |     |                     |     |     |     |     |     |     |         |  |
|-------------|-----|---------|-----|---------------------|-----|-----|-----|-----|-----|-----|---------|--|
| ORIGIN ZONE | 290 | PURPOSE | 1   | 300 TOTAL ORIG/PROD |     |     |     |     |     |     |         |  |
| TO ZONE     | -1- | -2-     | -3- | -4-                 | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |
| 541         | 0   | 0       | 0   | 0                   | 0   | 0   | 300 |     |     |     |         |  |

|             |     |         |      |                       |      |     |     |     |     |     |         |  |
|-------------|-----|---------|------|-----------------------|------|-----|-----|-----|-----|-----|---------|--|
| ORIGIN ZONE | 291 | PURPOSE | 1    | 11700 TOTAL ORIG/PROD |      |     |     |     |     |     |         |  |
| TO ZONE     | -1- | -2-     | -3-  | -4-                   | -5-  | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |
| 221         | 0   | 0       | 0    | 0                     | 0    | 0   | 100 | 0   | 0   | 0   | 230     |  |
| 231         | 0   | 0       | 0    | 0                     | 0    | 100 | 0   | 0   | 0   | 0   | 240     |  |
| 311         | 100 | 0       | 0    | 0                     | 0    | 0   | 0   | 0   | 0   | 0   | 320     |  |
| 321         | 0   | 0       | 200  | 0                     | 0    | 0   | 0   | 0   | 0   | 0   | 330     |  |
| 481         | 0   | 0       | 0    | 0                     | 0    | 100 | 0   | 0   | 0   | 0   | 490     |  |
| 521         | 300 | 700     | 1400 | 300                   | 1300 | 500 | 100 | 0   | 200 | 0   | 530     |  |
| 531         | 0   | 0       | 0    | 200                   | 0    | 0   | 0   | 300 | 100 | 200 | 540     |  |
| 541         | 200 | 1000    | 100  | 600                   | 2100 | 700 | 800 |     |     |     |         |  |

|             |     |         |   |                   |  |  |  |  |  |  |  |  |
|-------------|-----|---------|---|-------------------|--|--|--|--|--|--|--|--|
| ORIGIN ZONE | 292 | PURPOSE | 1 | 0 TOTAL ORIG/PROD |  |  |  |  |  |  |  |  |
|-------------|-----|---------|---|-------------------|--|--|--|--|--|--|--|--|

| ORIGIN ZONE     | PURPOSE   | TOTAL ORIG/PROD        |     |       |     |       |     |     |     |     |      | TO ZONE |
|-----------------|-----------|------------------------|-----|-------|-----|-------|-----|-----|-----|-----|------|---------|
|                 |           | -1-                    | -2- | -3-   | -4- | -5-   | -6- | -7- | -8- | -9- | -0-  |         |
| ORIGIN ZONE 293 | PURPOSE 1 | 400 TOTAL ORIG/PROD    |     |       |     |       |     |     |     |     |      |         |
| TO ZONE         |           | -1-                    | -2- | -3-   | -4- | -5-   | -6- | -7- | -8- | -9- | -0-  | TO ZONE |
| 521             |           | 0                      | 0   | 0     | 0   | 300   | 0   | 0   | 0   | 0   | 0    | 530     |
| 541             |           | 0                      | 0   | 0     | 0   | 0     | 100 | 0   |     |     |      |         |
| ORIGIN ZONE 294 | PURPOSE 1 | 0 TOTAL ORIG/PROD      |     |       |     |       |     |     |     |     |      |         |
| ORIGIN ZONE 295 | PURPOSE 1 | 9300 TOTAL ORIG/PROD   |     |       |     |       |     |     |     |     |      |         |
| TO ZONE         |           | -1-                    | -2- | -3-   | -4- | -5-   | -6- | -7- | -8- | -9- | -0-  | TO ZONE |
| 81              |           | 0                      | 0   | 100   | 0   | 0     | 0   | 0   | 0   | 0   | 0    | 90      |
| 101             |           | 0                      | 0   | 0     | 0   | 0     | 0   | 0   | 0   | 100 | 0    | 110     |
| 291             |           | 0                      | 0   | 0     | 0   | 4500  | 0   | 0   | 0   | 300 | 2900 | 300     |
| 301             |           | 1200                   | 0   | 0     | 0   | 0     | 0   | 0   | 0   | 0   | 0    | 310     |
| 521             |           | 0                      | 0   | 0     | 200 | 0     | 0   | 0   | 0   | 0   | 0    | 530     |
| ORIGIN ZONE 296 | PURPOSE 1 | 300 TOTAL ORIG/PROD    |     |       |     |       |     |     |     |     |      |         |
| TO ZONE         |           | -1-                    | -2- | -3-   | -4- | -5-   | -6- | -7- | -8- | -9- | -0-  | TO ZONE |
| 521             |           | 0                      | 300 | 0     | 0   | 0     | 0   | 0   | 0   | 0   | 0    | 530     |
| ORIGIN ZONE 297 | PURPOSE 1 | 400 TOTAL ORIG/PROD    |     |       |     |       |     |     |     |     |      |         |
| TO ZONE         |           | -1-                    | -2- | -3-   | -4- | -5-   | -6- | -7- | -8- | -9- | -0-  | TO ZONE |
| 301             |           | 300                    | 0   | 0     | 0   | 0     | 0   | 0   | 0   | 0   | 0    | 310     |
| 511             |           | 0                      | 0   | 0     | 0   | 0     | 100 | 0   | 0   | 0   | 0    | 520     |
| ORIGIN ZONE 298 | PURPOSE 1 | 400 TOTAL ORIG/PROD    |     |       |     |       |     |     |     |     |      |         |
| TO ZONE         |           | -1-                    | -2- | -3-   | -4- | -5-   | -6- | -7- | -8- | -9- | -0-  | TO ZONE |
| 511             |           | 0                      | 0   | 0     | 0   | 100   | 0   | 0   | 0   | 0   | 0    | 520     |
| 521             |           | 0                      | 300 | 0     | 0   | 0     | 0   | 0   | 0   | 0   | 0    | 530     |
| ORIGIN ZONE 299 | PURPOSE 1 | 100500 TOTAL ORIG/PROD |     |       |     |       |     |     |     |     |      |         |
| TO ZONE         |           | -1-                    | -2- | -3-   | -4- | -5-   | -6- | -7- | -8- | -9- | -0-  | TO ZONE |
| 101             |           | 0                      | 0   | 85000 | 0   | 0     | 0   | 0   | 0   | 0   | 0    | 110     |
| 291             |           | 0                      | 0   | 0     | 0   | 14500 | 0   | 0   | 0   | 0   | 0    | 300     |
| 511             |           | 0                      | 0   | 0     | 0   | 0     | 100 | 0   | 0   | 0   | 0    | 520     |
| 521             |           | 200                    | 0   | 0     | 0   | 0     | 100 | 0   | 0   | 0   | 0    | 530     |

| ORIGIN ZONE     | PURPOSE   | 5000 TOTAL ORIG/PROD  |     |      |       |     |     |      |      |     |         |
|-----------------|-----------|-----------------------|-----|------|-------|-----|-----|------|------|-----|---------|
| TO ZONE         | -1-       | -2-                   | -3- | -4-  | -5-   | -6- | -7- | -8-  | -9-  | -0- | TO ZONE |
| 291             | 0         | 0                     | 0   | 0    | 6000  | 0   | 0   | 0    | 0    | 0   | 300     |
| ORIGIN ZONE 301 | PURPOSE 1 | 25000 TOTAL ORIG/PROD |     |      |       |     |     |      |      |     |         |
| TO ZONE         | -1-       | -2-                   | -3- | -4-  | -5-   | -6- | -7- | -8-  | -9-  | -0- | TO ZONE |
| 111             | 100       | 0                     | 0   | 0    | 0     | 0   | 0   | 0    | 0    | 0   | 120     |
| 291             | 0         | 0                     | 0   | 0    | 24500 | 0   | 0   | 0    | 0    | 0   | 300     |
| 511             | 0         | 0                     | 0   | 0    | 0     | 0   | 0   | 0    | 100  | 0   | 520     |
| 521             | 0         | 100                   | 200 | 0    | 0     | 0   | 0   | 0    | 0    | 0   | 530     |
| ORIGIN ZONE 302 | PURPOSE 1 | 17100 TOTAL ORIG/PROD |     |      |       |     |     |      |      |     |         |
| TO ZONE         | -1-       | -2-                   | -3- | -4-  | -5-   | -6- | -7- | -8-  | -9-  | -0- | TO ZONE |
| 121             | 0         | 0                     | 0   | 0    | 0     | 0   | 0   | 1100 | 0    | 0   | 130     |
| 151             | 0         | 0                     | 0   | 0    | 0     | 500 | 0   | 0    | 0    | 0   | 160     |
| 311             | 0         | 0                     | 0   | 0    | 300   | 0   | 0   | 0    | 0    | 0   | 320     |
| 351             | 0         | 0                     | 0   | 0    | 0     | 0   | 0   | 1700 | 0    | 0   | 360     |
| 461             | 0         | 0                     | 0   | 0    | 0     | 0   | 0   | 0    | 100  | 0   | 470     |
| 491             | 0         | 0                     | 0   | 3100 | 200   | 0   | 0   | 0    | 3700 | 0   | 500     |
| 511             | 0         | 0                     | 0   | 0    | 0     | 100 | 0   | 0    | 0    | 0   | 520     |
| 521             | 300       | 0                     | 100 | 100  | 400   | 0   | 100 | 0    | 0    | 0   | 530     |
| 531             | 0         | 0                     | 0   | 0    | 0     | 0   | 800 | 0    | 1000 | 100 | 540     |
| 541             | 400       | 300                   | 900 | 500  | 200   | 600 | 500 | 0    | 0    | 0   | 0       |
| ORIGIN ZONE 303 | PURPOSE 1 | 400 TOTAL ORIG/PROD   |     |      |       |     |     |      |      |     |         |
| TO ZONE         | -1-       | -2-                   | -3- | -4-  | -5-   | -6- | -7- | -8-  | -9-  | -0- | TO ZONE |
| 521             | 0         | 200                   | 0   | 0    | 0     | 0   | 0   | 0    | 0    | 0   | 530     |
| 531             | 0         | 0                     | 100 | 0    | 0     | 0   | 0   | 0    | 0    | 0   | 540     |
| 541             | 0         | 100                   | 0   | 0    | 0     | 0   | 0   | 0    | 0    | 0   | 0       |
| ORIGIN ZONE 304 | PURPOSE 1 | 0 TOTAL ORIG/PROD     |     |      |       |     |     |      |      |     |         |
| ORIGIN ZONE 305 | PURPOSE 1 | 0 TOTAL ORIG/PROD     |     |      |       |     |     |      |      |     |         |
| ORIGIN ZONE 306 | PURPOSE 1 | 0 TOTAL ORIG/PROD     |     |      |       |     |     |      |      |     |         |
| ORIGIN ZONE 307 | PURPOSE 1 | 0 TOTAL ORIG/PROD     |     |      |       |     |     |      |      |     |         |



| ORIGIN ZONE | PURPOSE | TOTAL ORIG/PROD |     |     |     |     |     |     |     |     |     | TO ZONE |
|-------------|---------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
|             |         | -1-             | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- |         |
| 305         | 1       | 0               |     |     |     |     |     |     |     |     |     |         |
| 309         | 1       | 100             |     |     |     |     |     |     |     |     |     |         |
| 401         |         | 0               | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 410     |
| 310         | 1       | 0               |     |     |     |     |     |     |     |     |     |         |
| 311         | 1       | 1800            |     |     |     |     |     |     |     |     |     |         |
| 521         |         | 800             | 400 | 0   | 0   | 200 | 0   | 0   | 0   | 0   | 0   | 530     |
| 531         |         | 0               | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 540     |
| 541         |         | 0               | 0   | 0   | 100 | 200 | 0   | 0   | 0   | 0   | 0   |         |
| 312         | 1       | 400             |     |     |     |     |     |     |     |     |     |         |
| 141         |         | 0               | 0   | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 0   | 150     |
| 521         |         | 0               | 300 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 530     |
| 313         | 1       | 100             |     |     |     |     |     |     |     |     |     |         |
| 511         |         | 0               | 0   | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 520     |
| 314         | 1       | 400             |     |     |     |     |     |     |     |     |     |         |
| 521         |         | 0               | 400 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 530     |
| 315         | 1       | 12900           |     |     |     |     |     |     |     |     |     |         |
| 21          |         | 0               | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 300 | 0   | 30      |
| 301         |         | 0               | 100 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 310     |
| 311         |         | 100             | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 320     |
| 401         |         | 0               | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 410     |
| 491         |         | 0               | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 0   | 0   | 500     |
| 511         |         | 0               | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 520     |

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|     |     |      |      |     |     |      |      |   |     |     |     |
|-----|-----|------|------|-----|-----|------|------|---|-----|-----|-----|
| 521 | 0   | 300  | 200  | 0   | 500 | 200  | 100  | 0 | 0   | 0   | 530 |
| 531 | 0   | 0    | 200  | 0   | 0   | 0    | 200  | 0 | 100 | 300 | 540 |
| 541 | 600 | 1100 | 1600 | 600 | 900 | 3900 | 1300 |   |     |     |     |

ORIGIN ZONE 316 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 317 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 318 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 319 PURPOSE 1 300 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 541     | 0   | 300 | 0   | 0   | 0   | 0   | 0   |     |     |     |         |

ORIGIN ZONE 320 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 321 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 322 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 323 PURPOSE 1 7600 TOTAL ORIG/PROD

| TO ZONE | -1- | -2-  | -3- | -4- | -5- | -6-  | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|------|-----|-----|-----|------|-----|-----|-----|-----|---------|
| 491     | 0   | 0    | 0   | 200 | 0   | 0    | 100 | 0   | 700 | 0   | 500     |
| 501     | 300 | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 0   | 510     |
| 511     | 0   | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 100 | 0   | 520     |
| 521     | 100 | 0    | 100 | 0   | 200 | 0    | 0   | 0   | 0   | 0   | 530     |
| 531     | 0   | 0    | 300 | 0   | 400 | 0    | 0   | 0   | 800 | 200 | 540     |
| 541     | 100 | 1000 | 900 | 300 | 100 | 1300 | 400 |     |     |     |         |

ORIGIN ZONE 324 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 325 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 326 PURPOSE 1 6000 TOTAL ORIG/PROD

| TO ZONE | -1- | -2-  | -3- | -4- | -5-         | -6- | -7- | -8- | -9- | -0-  | TO ZONE |
|---------|-----|------|-----|-----|-------------|-----|-----|-----|-----|------|---------|
|         |     |      |     |     | -CONTINUED- |     |     |     |     |      |         |
| 521     | 0   | 0    | 0   | 0   | 1800        | 0   | 0   | 600 | 0   | 0    | 530     |
| 531     | 0   | 0    | 0   | 300 | 0           | 0   | 100 | 0   | 600 | 1600 | 540     |
| 541     | 0   | 1000 | 0   | 0   | 0           | 0   | 0   | 0   | 0   | 0    |         |

ORIGIN ZONE 327 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 328 PURPOSE 1 200 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 321     | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 330     |
| 531     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 0   | 540     |

ORIGIN ZONE 329 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 330 PURPOSE 1 200 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 541     | 0   | 0   | 0   | 0   | 0   | 100 | 100 | 0   | 0   | 0   |         |

ORIGIN ZONE 331 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 332 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 333 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 334 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 335 PURPOSE 1 3500 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 231     | 0   | 0   | 0   | 0   | 0   | 500 | 0   | 0   | 0   | 0   | 240     |
| 341     | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 350     |
| 491     | 0   | 0   | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 500     |
| 521     | 0   | 0   | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 530     |
| 531     | 0   | 0   | 0   | 300 | 0   | 0   | 0   | 0   | 100 | 100 | 540     |
| 541     | 300 | 200 | 400 | 400 | 100 | 600 | 200 | 0   | 0   | 0   |         |



ORIGIN ZONE 347 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 348 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 349 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 350 PURPOSE 1 2900 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 101     | 0   | 0   | 100 | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 110     |
| 231     | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 240     |
| 291     | 300 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 300     |
| 301     | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 310     |
| 391     | 0   | 0   | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 400     |
| 521     | 500 | 100 | 200 | 0   | 400 | 0   | 0   | 0   | 100 | 0   | 530     |
| 531     | 0   | 100 | 100 | 200 | 0   | 0   | 0   | 0   | 0   | 0   | 540     |
| 541     | 0   | 200 | 0   | 0   | 100 | 0   | 100 | 0   | 0   | 0   |         |

ORIGIN ZONE 351 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 352 PURPOSE 1 1000 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 521     | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 530     |
| 541     | 100 | 0   | 400 | 0   | 100 | 0   | 300 | 0   | 0   | 0   |         |

ORIGIN ZONE 353 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 354 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 355 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 356 PURPOSE 1 100 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 541     | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 0   | 0   |         |

ORIGIN ZONE 357 PURPOSE 1 0 TOTAL ORIG/PROD

| ORIGIN ZONE | 358 | PURPOSE | 1    | 24800 TOTAL ORIG/PROD |      |      |      |     |     |     |     |         | TO ZONE |
|-------------|-----|---------|------|-----------------------|------|------|------|-----|-----|-----|-----|---------|---------|
| TO ZONE     |     | -1-     | -2-  | -3-                   | -4-  | -5-  | -6-  | -7- | -8- | -9- | -0- | TO ZONE |         |
| 121         |     | 0       | 0    | 0                     | 0    | 0    | 0    | 0   | 400 | 0   | 0   | 130     |         |
| 181         |     | 0       | 0    | 100                   | 0    | 0    | 0    | 0   | 0   | 0   | 0   | 190     |         |
| 231         |     | 0       | 0    | 0                     | 0    | 0    | 0    | 100 | 0   | 0   | 0   | 240     |         |
| 341         |     | 0       | 100  | 0                     | 0    | 0    | 0    | 0   | 0   | 0   | 0   | 350     |         |
| 361         |     | 0       | 0    | 0                     | 0    | 0    | 0    | 0   | 0   | 0   | 200 | 370     |         |
| 481         |     | 0       | 0    | 0                     | 200  | 0    | 0    | 0   | 0   | 0   | 0   | 490     |         |
| 491         |     | 0       | 0    | 100                   | 0    | 800  | 0    | 0   | 0   | 0   | 0   | 500     |         |
| 521         |     | 0       | 0    | 100                   | 0    | 100  | 0    | 700 | 0   | 0   | 0   | 530     |         |
| 531         |     | 0       | 0    | 0                     | 100  | 0    | 0    | 100 | 0   | 200 | 400 | 540     |         |
| 541         |     | 1200    | 4600 | 6400                  | 3100 | 1400 | 3500 | 900 |     |     |     |         |         |

ORIGIN ZONE 359 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 360 PURPOSE 1 200 TOTAL ORIG/PROD

| TO ZONE |  | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 491     |  | 0   | 0   | 0   | 0   | 200 | 0   | 0   | 0   | 0   | 0   | 500     |

ORIGIN ZONE 361 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 362 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 363 PURPOSE 1 400 TOTAL ORIG/PROD

| TO ZONE |  | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 491     |  | 0   | 0   | 0   | 0   | 200 | 0   | 0   | 0   | 0   | 0   | 500     |
| 521     |  | 0   | 0   | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 530     |
| 541     |  | 0   | 0   | 100 | 0   | 0   | 0   | 0   |     |     |     |         |

ORIGIN ZONE 364 PURPOSE 1 8300 TOTAL ORIG/PROD

| TO ZONE |  | -1- | -2-  | -3-  | -4-  | -5- | -6-  | -7- | -8- | -9- | -0- | TO ZONE |
|---------|--|-----|------|------|------|-----|------|-----|-----|-----|-----|---------|
| 281     |  | 0   | 0    | 0    | 0    | 0   | 100  | 0   | 0   | 0   | 0   | 290     |
| 521     |  | 0   | 0    | 200  | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 530     |
| 541     |  | 400 | 1200 | 1800 | 1900 | 400 | 1700 | 600 |     |     |     |         |

ORIGIN ZONE 365 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 366 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 367 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 368 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 369 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 370 PURPOSE 1 1900 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 121     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 0   | 130     |
| 351     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 0   | 360     |
| 491     | 0   | 0   | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 500     |
| 521     | 0   | 0   | 0   | 0   | 200 | 0   | 0   | 0   | 0   | 0   | 530     |
| 541     | 200 | 100 | 200 | 400 | 0   | 400 | 100 |     |     |     |         |

ORIGIN ZONE 371 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 372 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 373 PURPOSE 1 100 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 541     | 0   | 100 | 0   | 0   | 0   | 0   | 0   |     |     |     |         |

ORIGIN ZONE 374 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 375 PURPOSE 1 1500 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5-  | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|---------|
| 491     | 0   | 0   | 0   | 0   | 1500 | 0   | 0   | 0   | 0   | 0   | 500     |

ORIGIN ZONE 376 PURPOSE 1 100 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 541     | 0   | 0   | 0   | 0   | 0   | 0   | 100 |     |     |     |         |

| ORIGIN ZONE | PURPOSE | 200 TOTAL ORIG/PROD |     |     |     |     |     |     |     |     |         |
|-------------|---------|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| TO ZONE     | -1-     | -2-                 | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
| 521         | 0       | 0                   | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 530     |
| 531         | 0       | 0                   | 100 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 540     |

ORIGIN ZONE 378 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 379 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 380 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 381 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 382 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 383 PURPOSE 1 1600 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 481     | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 490     |
| 521     | 0   | 100 | 100 | 0   | 400 | 0   | 0   | 0   | 0   | 0   | 530     |
| 531     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 540     |
| 541     | 0   | 0   | 600 | 100 | 100 | 0   | 0   | 0   | 0   | 0   |         |

ORIGIN ZONE 384 PURPOSE 1 400 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 521     | 0   | 400 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 530     |

ORIGIN ZONE 385 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 386 PURPOSE 1 900 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 61      | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 0   | 70      |
| 521     | 0   | 0   | 0   | 0   | 300 | 0   | 0   | 0   | 0   | 0   | 530     |
| 541     | 0   | 0   | 0   | 0   | 0   | 200 | 300 | 0   | 0   | 0   |         |



| ORIGIN ZONE | PURPOSE | 1   | TOTAL ORIG/PROD      |     |     |     |     |     |     |     |         |  |
|-------------|---------|-----|----------------------|-----|-----|-----|-----|-----|-----|-----|---------|--|
| TO ZONE     | -1-     | -2- | -3-                  | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |
| 387         |         |     | 100 TOTAL ORIG/PROD  |     |     |     |     |     |     |     |         |  |
| 541         | 0       | 0   | 0                    | 100 | 0   | 0   | 0   | 0   | 0   | 0   |         |  |
| 388         |         |     | 600 TOTAL ORIG/PROD  |     |     |     |     |     |     |     |         |  |
| 521         | 0       | 0   | 600                  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 530     |  |
| 389         |         |     | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |         |  |
| 390         |         |     | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |         |  |
| 391         |         |     | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |         |  |
| 392         |         |     | 1600 TOTAL ORIG/PROD |     |     |     |     |     |     |     |         |  |
| 231         | 0       | 0   | 0                    | 0   | 0   | 0   | 100 | 0   | 0   | 0   | 240     |  |
| 311         | 100     | 0   | 0                    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 320     |  |
| 521         | 0       | 100 | 0                    | 0   | 300 | 0   | 0   | 0   | 0   | 0   | 530     |  |
| 531         | 0       | 0   | 0                    | 0   | 0   | 0   | 0   | 0   | 100 | 100 | 540     |  |
| 541         | 0       | 100 | 0                    | 0   | 100 | 0   | 600 | 0   | 0   | 0   |         |  |
| 393         |         |     | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |         |  |
| 394         |         |     | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |         |  |
| 395         |         |     | 2500 TOTAL ORIG/PROD |     |     |     |     |     |     |     |         |  |
| 31          | 0       | 0   | 0                    | 0   | 0   | 0   | 100 | 0   | 0   | 0   | 40      |  |
| 401         | 0       | 0   | 0                    | 0   | 0   | 0   | 0   | 0   | 400 | 0   | 410     |  |
| 491         | 0       | 0   | 0                    | 300 | 0   | 0   | 0   | 0   | 0   | 0   | 500     |  |
| 531         | 0       | 0   | 0                    | 0   | 0   | 0   | 100 | 200 | 200 | 0   | 540     |  |
| 541         | 0       | 400 | 300                  | 100 | 0   | 400 | 0   | 0   | 0   | 0   |         |  |
| 396         |         |     | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |         |  |

ORIGIN ZONE 397. PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 398. PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 399. PURPOSE 1 700 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 521     | 0   | 0   | 300 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 530     |
| 531     | 0   | 0   | 0   | 0   | 0   | 0   | 300 | 0   | 0   | 0   | 540     |
| 541     | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |         |

ORIGIN ZONE 400. PURPOSE 1 100 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 541     | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 0   | 0   |         |

ORIGIN ZONE 401. PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 402. PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 403. PURPOSE 1 300 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 391     | 0   | 0   | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 400     |
| 541     | 0   | 0   | 200 | 0   | 0   | 0   | 0   | 0   | 0   | 0   |         |

ORIGIN ZONE 404. PURPOSE 1 500 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 531     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 500 | 0   | 0   | 540     |

ORIGIN ZONE 405. PURPOSE 1 100 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 341     | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 350     |

ORIGIN ZONE 406. PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 407 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 408 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 409 PURPOSE 1 12500 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3-  | -4- | -5- | -6-  | -7-  | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|------|-----|-----|------|------|-----|-----|-----|---------|
| 121     | 0   | 0   | 0    | 0   | 0   | 0    | 0    | 600 | 0   | 0   | 130     |
| 181     | 0   | 0   | 300  | 0   | 0   | 0    | 0    | 0   | 0   | 0   | 190     |
| 341     | 0   | 200 | 0    | 0   | 0   | 0    | 0    | 0   | 0   | 0   | 350     |
| 491     | 0   | 0   | 0    | 0   | 700 | 0    | 0    | 0   | 100 | 0   | 500     |
| 521     | 0   | 0   | 800  | 0   | 100 | 200  | 0    | 0   | 0   | 0   | 530     |
| 531     | 0   | 0   | 100  | 500 | 0   | 0    | 1000 | 100 | 800 | 200 | 540     |
| 541     | 200 | 900 | 1600 | 800 | 0   | 1300 | 2000 |     |     |     |         |

ORIGIN ZONE 410 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 411 PURPOSE 1 1200 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 461     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 470     |
| 521     | 0   | 100 | 300 | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 530     |
| 531     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 540     |
| 541     | 0   | 0   | 0   | 100 | 0   | 200 | 200 |     |     |     |         |

ORIGIN ZONE 412 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 413 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 414 PURPOSE 1 200 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 541     | 0   | 0   | 0   | 0   | 0   | 0   | 200 |     |     |     |         |

ORIGIN ZONE 415 PURPOSE 1 0 TOTAL ORIG/PROD

ORIGIN ZONE 416 PURPOSE 1 0 TOTAL ORIG/PROD

|             |     |         |     |                     |     |     |     |     |     |     |     |         |
|-------------|-----|---------|-----|---------------------|-----|-----|-----|-----|-----|-----|-----|---------|
| ORIGIN ZONE | 417 | PURPOSE | 1   | 0 TOTAL ORIG/PROD   |     |     |     |     |     |     |     |         |
| ORIGIN ZONE | 418 | PURPOSE | 1   | 0 TOTAL ORIG/PROD   |     |     |     |     |     |     |     |         |
| ORIGIN ZONE | 419 | PURPOSE | 1   | 0 TOTAL ORIG/PROD   |     |     |     |     |     |     |     |         |
| ORIGIN ZONE | 420 | PURPOSE | 1   | 100 TOTAL ORIG/PROD |     |     |     |     |     |     |     |         |
| TO ZONE     |     | -1-     | -2- | -3-                 | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|             | 541 | 0       | 0   | 0                   | 100 | 0   | 0   | 0   |     |     |     |         |
| ORIGIN ZONE | 421 | PURPOSE | 1   | 0 TOTAL ORIG/PROD   |     |     |     |     |     |     |     |         |
| ORIGIN ZONE | 422 | PURPOSE | 1   | 0 TOTAL ORIG/PROD   |     |     |     |     |     |     |     |         |
| ORIGIN ZONE | 423 | PURPOSE | 1   | 900 TOTAL ORIG/PROD |     |     |     |     |     |     |     |         |
| TO ZONE     |     | -1-     | -2- | -3-                 | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|             | 541 | 0       | 0   | 0                   | 0   | 0   | 300 | 600 |     |     |     |         |
| ORIGIN ZONE | 424 | PURPOSE | 1   | 0 TOTAL ORIG/PROD   |     |     |     |     |     |     |     |         |
| ORIGIN ZONE | 425 | PURPOSE | 1   | 0 TOTAL ORIG/PROD   |     |     |     |     |     |     |     |         |
| ORIGIN ZONE | 426 | PURPOSE | 1   | 0 TOTAL ORIG/PROD   |     |     |     |     |     |     |     |         |
| ORIGIN ZONE | 427 | PURPOSE | 1   | 400 TOTAL ORIG/PROD |     |     |     |     |     |     |     |         |
| TO ZONE     |     | -1-     | -2- | -3-                 | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|             | 541 | 0       | 0   | 100                 | 100 | 0   | 200 | 0   |     |     |     |         |
| ORIGIN ZONE | 428 | PURPOSE | 1   | 100 TOTAL ORIG/PROD |     |     |     |     |     |     |     |         |
| TO ZONE     |     | -1-     | -2- | -3-                 | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|             | 541 | 0       | 0   | 0                   | 0   | 0   | 100 | 0   |     |     |     |         |

|             |         |         |     |                      |     |     |     |     |     |     |     |         |  |
|-------------|---------|---------|-----|----------------------|-----|-----|-----|-----|-----|-----|-----|---------|--|
| ORIGIN ZONE | 429     | PURPOSE | 1   | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |         |  |
| ORIGIN ZONE | 430     | PURPOSE | 1   | 600 TOTAL ORIG/PROD  |     |     |     |     |     |     |     |         |  |
|             | TO ZONE | -1-     | -2- | -3-                  | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |
|             | 521     | 0       | 200 | 200                  | 0   | 200 | 0   | 0   | 0   | 0   | 0   | 530     |  |
| ORIGIN ZONE | 431     | PURPOSE | 1   | 500 TOTAL ORIG/PROD  |     |     |     |     |     |     |     |         |  |
|             | TO ZONE | -1-     | -2- | -3-                  | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |
|             | 521     | 0       | 500 | 0                    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 530     |  |
| ORIGIN ZONE | 432     | PURPOSE | 1   | 1500 TOTAL ORIG/PROD |     |     |     |     |     |     |     |         |  |
|             | TO ZONE | -1-     | -2- | -3-                  | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |
|             | 101     | 0       | 0   | 0                    | 0   | 0   | 300 | 0   | 0   | 0   | 0   | 110     |  |
|             | 511     | 0       | 0   | 0                    | 0   | 0   | 200 | 0   | 0   | 0   | 0   | 520     |  |
|             | 521     | 300     | 700 | 0                    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 530     |  |
| ORIGIN ZONE | 433     | PURPOSE | 1   | 1600 TOTAL ORIG/PROD |     |     |     |     |     |     |     |         |  |
|             | TO ZONE | -1-     | -2- | -3-                  | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |
|             | 61      | 0       | 0   | 0                    | 0   | 0   | 200 | 0   | 0   | 0   | 0   | 70      |  |
|             | 211     | 0       | 0   | 0                    | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 220     |  |
|             | 491     | 0       | 0   | 0                    | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 500     |  |
|             | 511     | 0       | 100 | 0                    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 520     |  |
|             | 521     | 0       | 0   | 100                  | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 530     |  |
|             | 531     | 0       | 0   | 0                    | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 540     |  |
|             | 541     | 0       | 200 | 100                  | 0   | 0   | 300 | 200 | 0   | 0   | 0   |         |  |
| ORIGIN ZONE | 434     | PURPOSE | 1   | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |         |  |
| ORIGIN ZONE | 435     | PURPOSE | 1   | 100 TOTAL ORIG/PROD  |     |     |     |     |     |     |     |         |  |
|             | TO ZONE | -1-     | -2- | -3-                  | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |
|             | 51      | 0       | 0   | 0                    | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 60      |  |
| ORIGIN ZONE | 436     | PURPOSE | 1   | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |         |  |
| ORIGIN ZONE | 437     | PURPOSE | 1   | 0 TOTAL ORIG/PROD    |     |     |     |     |     |     |     |         |  |

| ORIGIN ZONE | PURPOSE | TOTAL ORIG/PROD |      |      |      |     |     |      |     |     |     | TO ZONE |
|-------------|---------|-----------------|------|------|------|-----|-----|------|-----|-----|-----|---------|
|             |         | -1-             | -2-  | -3-  | -4-  | -5- | -6- | -7-  | -8- | -9- | -0- |         |
| 437         | 1       | 100             |      |      |      |     |     |      |     |     |     |         |
| TO ZONE     |         | -1-             | -2-  | -3-  | -4-  | -5- | -6- | -7-  | -8- | -9- | -0- | TO ZONE |
| 541         |         | 0               | 0    | 0    | 0    | 0   | 0   | 100  |     |     |     |         |
| 439         | 1       | 100             |      |      |      |     |     |      |     |     |     |         |
| TO ZONE     |         | -1-             | -2-  | -3-  | -4-  | -5- | -6- | -7-  | -8- | -9- | -0- | TO ZONE |
| 51          |         | 0               | 0    | 0    | 0    | 100 | 0   | 0    | 0   | 0   | 0   | 60      |
| 440         | 1       | 0               |      |      |      |     |     |      |     |     |     |         |
| 441         | 1       | 100             |      |      |      |     |     |      |     |     |     |         |
| TO ZONE     |         | -1-             | -2-  | -3-  | -4-  | -5- | -6- | -7-  | -8- | -9- | -0- | TO ZONE |
| 51          |         | 0               | 0    | 0    | 0    | 100 | 0   | 0    | 0   | 0   | 0   | 60      |
| 442         | 1       | 11200           |      |      |      |     |     |      |     |     |     |         |
| TO ZONE     |         | -1-             | -2-  | -3-  | -4-  | -5- | -6- | -7-  | -8- | -9- | -0- | TO ZONE |
| 51          |         | 0               | 0    | 0    | 0    | 100 | 0   | 0    | 0   | 0   | 0   | 60      |
| 121         |         | 0               | 0    | 0    | 100  | 0   | 0   | 0    | 0   | 0   | 0   | 130     |
| 231         |         | 0               | 0    | 500  | 0    | 0   | 0   | 0    | 0   | 0   | 0   | 240     |
| 241         |         | 0               | 0    | 0    | 200  | 0   | 0   | 0    | 0   | 0   | 0   | 250     |
| 281         |         | 0               | 0    | 0    | 0    | 0   | 100 | 0    | 0   | 0   | 0   | 290     |
| 491         |         | 0               | 0    | 0    | 0    | 300 | 0   | 0    | 0   | 0   | 0   | 500     |
| 521         |         | 0               | 200  | 500  | 0    | 900 | 500 | 200  | 0   | 0   | 0   | 530     |
| 531         |         | 0               | 0    | 0    | 100  | 0   | 0   | 0    | 0   | 400 | 300 | 540     |
| 541         |         | 400             | 900  | 1200 | 1000 | 600 | 800 | 1900 |     |     |     |         |
| 443         | 1       | 0               |      |      |      |     |     |      |     |     |     |         |
| 444         | 1       | 0               |      |      |      |     |     |      |     |     |     |         |
| 445         | 1       | 2000            |      |      |      |     |     |      |     |     |     |         |
| TO ZONE     |         | -1-             | -2-  | -3-  | -4-  | -5- | -6- | -7-  | -8- | -9- | -0- | TO ZONE |
| 441         |         | 0               | 2000 | 0    | 0    | 0   | 0   | 0    | 0   | 0   | 0   | 450     |
| 446         | 1       | 100             |      |      |      |     |     |      |     |     |     |         |

| TO ZONE         | -1-       | -2- | -3- | -4-  | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE              |
|-----------------|-----------|-----|-----|------|-----|-----|-----|-----|-----|-----|----------------------|
| 531             | 0         | 0   | 0   | 0    | 0   | 0   | 0   | 100 | 0   | 0   | 540                  |
| ORIGIN ZONE 447 | PURPOSE 1 |     |     |      |     |     |     |     |     |     | 0 TOTAL ORIG/PROD    |
| ORIGIN ZONE 448 | PURPOSE 1 |     |     |      |     |     |     |     |     |     | 0 TOTAL ORIG/PROD    |
| ORIGIN ZONE 449 | PURPOSE 1 |     |     |      |     |     |     |     |     |     | 0 TOTAL ORIG/PROD    |
| ORIGIN ZONE 450 | PURPOSE 1 |     |     |      |     |     |     |     |     |     | 0 TOTAL ORIG/PROD    |
| ORIGIN ZONE 451 | PURPOSE 1 |     |     | 100  |     |     |     |     |     |     | 100 TOTAL ORIG/PROD  |
| TO ZONE         | -1-       | -2- | -3- | -4-  | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE              |
| 531             | 0         | 0   | 0   | 0    | 0   | 0   | 0   | 0   | 100 | 0   | 540                  |
| ORIGIN ZONE 452 | PURPOSE 1 |     |     | 1600 |     |     |     |     |     |     | 1600 TOTAL ORIG/PROD |
| TO ZONE         | -1-       | -2- | -3- | -4-  | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE              |
| 491             | 0         | 0   | 100 | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 500                  |
| 531             | 0         | 0   | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 400 | 540                  |
| 541             | 200       | 0   | 200 | 0    | 200 | 400 | 100 |     |     |     |                      |
| ORIGIN ZONE 453 | PURPOSE 1 |     |     | 0    |     |     |     |     |     |     | 0 TOTAL ORIG/PROD    |
| ORIGIN ZONE 454 | PURPOSE 1 |     |     | 100  |     |     |     |     |     |     | 100 TOTAL ORIG/PROD  |
| TO ZONE         | -1-       | -2- | -3- | -4-  | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE              |
| 541             | 0         | 0   | 0   | 0    | 100 | 0   | 0   |     |     |     |                      |
| ORIGIN ZONE 455 | PURPOSE 1 |     |     | 0    |     |     |     |     |     |     | 0 TOTAL ORIG/PROD    |
| ORIGIN ZONE 456 | PURPOSE 1 |     |     | 100  |     |     |     |     |     |     | 100 TOTAL ORIG/PROD  |
| TO ZONE         | -1-       | -2- | -3- | -4-  | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE              |
| 391             | 0         | 0   | 0   | 0    | 100 | 0   | 0   | 0   | 0   | 0   | 400                  |





MICHIGAN STATEWIDE TRANSPORTATION MODELING SYSTEM  
 1 PERCENT WAYBILL SAMPLE OF ALL RAIL MOVEMENTS WITH ORIG OR DEST IN MICH  
 CARLOADS OF FREIGHT SHIPPED (FACTORED BY 100)

| ORIGIN ZONE | 466 | PURPOSE | 1   | 500 TOTAL ORIG/PROD |     |     |     |     |     |     |         |  |  |
|-------------|-----|---------|-----|---------------------|-----|-----|-----|-----|-----|-----|---------|--|--|
| TO ZONE     | -1- | -2-     | -3- | -4-                 | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |  |
| 51          | 0   | 0       | 0   | 0                   | 100 | 0   | 0   | 0   | 0   | 0   | 60      |  |  |
| 501         | 0   | 100     | 0   | 0                   | 0   | 0   | 0   | 0   | 0   | 0   | 510     |  |  |
| 531         | 0   | 0       | 100 | 0                   | 0   | 0   | 0   | 0   | 0   | 0   | 540     |  |  |
| 541         | 0   | 100     | 0   | 0                   | 0   | 0   | 100 | 0   | 0   | 0   |         |  |  |

| ORIGIN ZONE | 467 | PURPOSE | 1   | 500 TOTAL ORIG/PROD |     |     |     |     |     |     |         |  |  |
|-------------|-----|---------|-----|---------------------|-----|-----|-----|-----|-----|-----|---------|--|--|
| TO ZONE     | -1- | -2-     | -3- | -4-                 | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |  |
| 541         | 0   | 0       | 100 | 0                   | 0   | 0   | 400 | 0   | 0   | 0   |         |  |  |

| ORIGIN ZONE | 468 | PURPOSE | 1   | 300 TOTAL ORIG/PROD |     |     |     |     |     |     |         |  |  |
|-------------|-----|---------|-----|---------------------|-----|-----|-----|-----|-----|-----|---------|--|--|
| TO ZONE     | -1- | -2-     | -3- | -4-                 | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |  |
| 521         | 0   | 0       | 0   | 0                   | 0   | 200 | 0   | 0   | 0   | 0   | 530     |  |  |
| 541         | 0   | 0       | 0   | 0                   | 0   | 100 | 0   | 0   | 0   | 0   |         |  |  |

| ORIGIN ZONE | 469 | PURPOSE | 1   | 300 TOTAL ORIG/PROD |     |     |     |     |     |     |         |  |  |
|-------------|-----|---------|-----|---------------------|-----|-----|-----|-----|-----|-----|---------|--|--|
| TO ZONE     | -1- | -2-     | -3- | -4-                 | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |  |
| 281         | 0   | 0       | 0   | 0                   | 0   | 0   | 0   | 0   | 0   | 100 | 290     |  |  |
| 541         | 0   | 0       | 0   | 0                   | 0   | 200 | 0   | 0   | 0   | 0   |         |  |  |

| ORIGIN ZONE | 470 | PURPOSE | 1   | 200 TOTAL ORIG/PROD |     |     |     |     |     |     |         |  |  |
|-------------|-----|---------|-----|---------------------|-----|-----|-----|-----|-----|-----|---------|--|--|
| TO ZONE     | -1- | -2-     | -3- | -4-                 | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |  |
| 541         | 0   | 0       | 0   | 0                   | 0   | 0   | 200 | 0   | 0   | 0   |         |  |  |

| ORIGIN ZONE | 471 | PURPOSE | 1   | 100 TOTAL ORIG/PROD |     |     |     |     |     |     |         |  |  |
|-------------|-----|---------|-----|---------------------|-----|-----|-----|-----|-----|-----|---------|--|--|
| TO ZONE     | -1- | -2-     | -3- | -4-                 | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |  |
| 491         | 0   | 0       | 0   | 0                   | 100 | 0   | 0   | 0   | 0   | 0   | 500     |  |  |

| ORIGIN ZONE | 472 | PURPOSE | 1 | 0 TOTAL ORIG/PROD |  |  |  |  |  |  |  |  |  |
|-------------|-----|---------|---|-------------------|--|--|--|--|--|--|--|--|--|
|-------------|-----|---------|---|-------------------|--|--|--|--|--|--|--|--|--|

| ORIGIN ZONE | 473 | PURPOSE | 1   | 300 TOTAL ORIG/PROD |     |     |     |     |     |     |         |  |  |
|-------------|-----|---------|-----|---------------------|-----|-----|-----|-----|-----|-----|---------|--|--|
| TO ZONE     | -1- | -2-     | -3- | -4-                 | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |  |
| 521         | 0   | 0       | 0   | 0                   | 100 | 0   | 0   | 0   | 0   | 0   | 530     |  |  |



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|                 |           |                       |      |     |     |      |      |     |     |     |         |
|-----------------|-----------|-----------------------|------|-----|-----|------|------|-----|-----|-----|---------|
| 531             | 0         | 0                     | 0    | 0   | 0   | 0    | 0    | 0   | 0   | 100 | 540     |
| 541             | 0         | 0                     | 100  | 0   | 0   | 700  | 0    |     |     |     |         |
| ORIGIN ZONE 484 | PURPOSE 1 | 12100 TOTAL ORIG/PROD |      |     |     |      |      |     |     |     |         |
| TO ZONE         | -1-       | -2-                   | -3-  | -4- | -5- | -6-  | -7-  | -8- | -9- | -0- | TO ZONE |
| 31              | 0         | 0                     | 0    | 0   | 0   | 0    | 100  | 0   | 0   | 0   | 40      |
| 121             | 0         | 0                     | 0    | 0   | 0   | 0    | 0    | 500 | 0   | 0   | 130     |
| 401             | 0         | 0                     | 0    | 0   | 0   | 0    | 0    | 0   | 300 | 0   | 410     |
| 491             | 0         | 0                     | 200  | 0   | 0   | 0    | 100  | 0   | 0   | 0   | 500     |
| 521             | 0         | 0                     | 400  | 0   | 0   | 400  | 100  | 0   | 0   | 0   | 530     |
| 531             | 0         | 0                     | 0    | 200 | 100 | 0    | 0    | 0   | 0   | 100 | 540     |
| 541             | 800       | 1300                  | 1400 | 100 | 100 | 4000 | 1900 |     |     |     |         |
| ORIGIN ZONE 485 | PURPOSE 1 | 0 TOTAL ORIG/PROD     |      |     |     |      |      |     |     |     |         |
| ORIGIN ZONE 486 | PURPOSE 1 | 1100 TOTAL ORIG/PROD  |      |     |     |      |      |     |     |     |         |
| TO ZONE         | -1-       | -2-                   | -3-  | -4- | -5- | -6-  | -7-  | -8- | -9- | -0- | TO ZONE |
| 121             | 0         | 0                     | 0    | 0   | 0   | 0    | 0    | 100 | 0   | 0   | 130     |
| 521             | 0         | 0                     | 0    | 0   | 200 | 0    | 0    | 0   | 0   | 0   | 530     |
| 541             | 0         | 0                     | 400  | 100 | 100 | 200  | 0    |     |     |     |         |
| ORIGIN ZONE 487 | PURPOSE 1 | 0 TOTAL ORIG/PROD     |      |     |     |      |      |     |     |     |         |
| ORIGIN ZONE 488 | PURPOSE 1 | 0 TOTAL ORIG/PROD     |      |     |     |      |      |     |     |     |         |
| ORIGIN ZONE 489 | PURPOSE 1 | 0 TOTAL ORIG/PROD     |      |     |     |      |      |     |     |     |         |
| ORIGIN ZONE 490 | PURPOSE 1 | 600 TOTAL ORIG/PROD   |      |     |     |      |      |     |     |     |         |
| TO ZONE         | -1-       | -2-                   | -3-  | -4- | -5- | -6-  | -7-  | -8- | -9- | -0- | TO ZONE |
| 51              | 0         | 0                     | 0    | 0   | 200 | 0    | 0    | 0   | 0   | 0   | 60      |
| 391             | 0         | 0                     | 0    | 0   | 0   | 100  | 0    | 0   | 0   | 0   | 400     |
| 541             | 0         | 0                     | 0    | 0   | 100 | 0    | 200  |     |     |     |         |
| ORIGIN ZONE 491 | PURPOSE 1 | 0 TOTAL ORIG/PROD     |      |     |     |      |      |     |     |     |         |

| ORIGIN ZONE | 492 | PURPOSE 1 |     |     |     |     |     |     |     |     |         | 800 TOTAL ORIG/PROD |
|-------------|-----|-----------|-----|-----|-----|-----|-----|-----|-----|-----|---------|---------------------|
| TO ZONE     | -1- | -2-       | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |                     |
| 491         | 0   | 0         | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 500     |                     |
| 521         | 0   | 0         | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 530     |                     |
| 531         | 0   | 0         | 0   | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 540     |                     |
| 541         | 0   | 0         | 300 | 0   | 0   | 200 | 0   |     |     |     |         |                     |

| ORIGIN ZONE | 493  | PURPOSE 1 |      |      |      |       |      |      |      |      |         | 78000 TOTAL ORIG/PROD |
|-------------|------|-----------|------|------|------|-------|------|------|------|------|---------|-----------------------|
| TO ZONE     | -1-  | -2-       | -3-  | -4-  | -5-  | -6-   | -7-  | -8-  | -9-  | -0-  | TO ZONE |                       |
| 121         | 0    | 0         | 0    | 0    | 0    | 0     | 0    | 1300 | 0    | 0    | 130     |                       |
| 131         | 0    | 100       | 0    | 0    | 0    | 0     | 0    | 0    | 0    | 0    | 140     |                       |
| 181         | 0    | 0         | 300  | 0    | 0    | 0     | 0    | 0    | 0    | 0    | 190     |                       |
| 221         | 0    | 0         | 0    | 0    | 0    | 200   | 0    | 0    | 0    | 0    | 230     |                       |
| 231         | 0    | 0         | 0    | 0    | 0    | 0     | 300  | 0    | 0    | 0    | 240     |                       |
| 281         | 0    | 0         | 0    | 0    | 0    | 200   | 0    | 0    | 0    | 0    | 290     |                       |
| 321         | 0    | 0         | 200  | 0    | 0    | 0     | 0    | 0    | 0    | 0    | 330     |                       |
| 341         | 0    | 100       | 0    | 0    | 0    | 0     | 0    | 0    | 0    | 0    | 350     |                       |
| 351         | 0    | 0         | 0    | 0    | 0    | 0     | 0    | 600  | 0    | 0    | 360     |                       |
| 401         | 0    | 0         | 0    | 0    | 0    | 0     | 0    | 0    | 2400 | 0    | 410     |                       |
| 481         | 0    | 0         | 0    | 900  | 0    | 0     | 0    | 0    | 0    | 0    | 490     |                       |
| 491         | 0    | 0         | 0    | 0    | 0    | 0     | 0    | 0    | 100  | 0    | 500     |                       |
| 501         | 100  | 0         | 0    | 0    | 100  | 0     | 0    | 0    | 400  | 0    | 510     |                       |
| 511         | 0    | 0         | 0    | 0    | 0    | 0     | 0    | 0    | 100  | 0    | 520     |                       |
| 521         | 100  | 0         | 1300 | 0    | 7900 | 0     | 0    | 7000 | 0    | 0    | 530     |                       |
| 531         | 100  | 100       | 500  | 1100 | 800  | 0     | 600  | 300  | 3800 | 1000 | 540     |                       |
| 541         | 2100 | 5100      | 6500 | 4300 | 2300 | 17300 | 8400 |      |      |      |         |                       |

| ORIGIN ZONE | 494  | PURPOSE 1 |      |      |      |      |      |      |      |      |         | 38200 TOTAL ORIG/PROD |
|-------------|------|-----------|------|------|------|------|------|------|------|------|---------|-----------------------|
| TO ZONE     | -1-  | -2-       | -3-  | -4-  | -5-  | -6-  | -7-  | -8-  | -9-  | -0-  | TO ZONE |                       |
| 121         | 0    | 0         | 0    | 0    | 0    | 0    | 0    | 100  | 0    | 0    | 130     |                       |
| 321         | 0    | 0         | 500  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 330     |                       |
| 361         | 0    | 0         | 0    | 500  | 0    | 0    | 0    | 0    | 0    | 0    | 370     |                       |
| 491         | 0    | 0         | 0    | 0    | 0    | 500  | 0    | 0    | 300  | 0    | 500     |                       |
| 501         | 2100 | 0         | 0    | 0    | 0    | 0    | 0    | 0    | 100  | 0    | 510     |                       |
| 521         | 0    | 0         | 0    | 0    | 2500 | 0    | 100  | 1200 | 0    | 0    | 530     |                       |
| 531         | 0    | 0         | 0    | 200  | 0    | 0    | 200  | 200  | 3400 | 1300 | 540     |                       |
| 541         | 2200 | 4600      | 5000 | 2500 | 1300 | 7600 | 1600 |      |      |      |         |                       |

| ORIGIN ZONE | 495 | PURPOSE 1 |     |     |     |     |     |     |     |     |         | 92300 TOTAL ORIG/PROD |
|-------------|-----|-----------|-----|-----|-----|-----|-----|-----|-----|-----|---------|-----------------------|
| TO ZONE     | -1- | -2-       | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |                       |
| 21          | 0   | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 30      |                       |

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|     |      |      |       |       |      |       |      |      |      |      |     |
|-----|------|------|-------|-------|------|-------|------|------|------|------|-----|
| 101 | 0    | 0    | 100   | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 110 |
| 121 | 0    | 0    | 0     | 0     | 0    | 0     | 0    | 1400 | 0    | 0    | 130 |
| 181 | 0    | 0    | 100   | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 190 |
| 221 | 0    | 0    | 0     | 0     | 0    | 100   | 0    | 0    | 0    | 0    | 230 |
| 231 | 0    | 0    | 0     | 0     | 0    | 100   | 100  | 0    | 0    | 0    | 240 |
| 261 | 0    | 100  | 0     | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 270 |
| 281 | 0    | 0    | 0     | 0     | 0    | 0     | 0    | 0    | 0    | 300  | 290 |
| 321 | 0    | 0    | 900   | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 330 |
| 351 | 0    | 0    | 0     | 0     | 0    | 0     | 0    | 900  | 0    | 0    | 360 |
| 361 | 0    | 0    | 200   | 300   | 0    | 0     | 0    | 0    | 0    | 0    | 370 |
| 401 | 0    | 0    | 0     | 0     | 0    | 0     | 0    | 0    | 900  | 0    | 410 |
| 441 | 0    | 400  | 0     | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 450 |
| 491 | 0    | 0    | 0     | 0     | 0    | 0     | 0    | 0    | 3500 | 0    | 500 |
| 501 | 200  | 400  | 0     | 0     | 0    | 0     | 0    | 0    | 0    | 0    | 510 |
| 521 | 1200 | 600  | 1700  | 0     | 5300 | 0     | 3600 | 0    | 0    | 0    | 530 |
| 531 | 0    | 100  | 100   | 200   | 300  | 0     | 200  | 100  | 2400 | 1300 | 540 |
| 541 | 2400 | 5200 | 18100 | 13800 | 1800 | 15800 | 8000 |      |      |      |     |

ORIGIN ZONE 496 PURPOSE 1 16000 TOTAL ORIG/PROD

| TO ZONE | -1-  | -2-  | -3-  | -4-  | -5- | -6-  | -7- | -8- | -9- | -0- | TO ZONE |
|---------|------|------|------|------|-----|------|-----|-----|-----|-----|---------|
| 191     | 0    | 100  | 0    | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 200     |
| 361     | 0    | 0    | 0    | 100  | 0   | 0    | 0   | 0   | 0   | 0   | 370     |
| 491     | 0    | 0    | 0    | 2500 | 0   | 0    | 0   | 0   | 600 | 0   | 500     |
| 501     | 2100 | 0    | 0    | 0    | 0   | 0    | 0   | 0   | 100 | 0   | 510     |
| 521     | 0    | 0    | 0    | 0    | 500 | 0    | 0   | 0   | 0   | 100 | 530     |
| 531     | 0    | 0    | 0    | 0    | 0   | 0    | 100 | 0   | 800 | 200 | 540     |
| 541     | 500  | 1300 | 2600 | 2000 | 500 | 1600 | 0   |     |     |     |         |

ORIGIN ZONE 497 PURPOSE 1 26100 TOTAL ORIG/PROD

| TO ZONE | -1- | -2-  | -3-  | -4-  | -5-  | -6-  | -7-  | -8- | -9- | -0-  | TO ZONE |
|---------|-----|------|------|------|------|------|------|-----|-----|------|---------|
| 61      | 0   | 0    | 0    | 0    | 0    | 100  | 0    | 0   | 0   | 0    | 70      |
| 131     | 0   | 300  | 0    | 0    | 0    | 0    | 0    | 0   | 0   | 0    | 140     |
| 231     | 0   | 0    | 0    | 0    | 0    | 200  | 0    | 0   | 0   | 0    | 240     |
| 461     | 0   | 0    | 0    | 0    | 200  | 0    | 0    | 0   | 0   | 0    | 470     |
| 491     | 0   | 0    | 100  | 1000 | 300  | 100  | 0    | 0   | 700 | 100  | 500     |
| 511     | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0   | 100 | 0    | 520     |
| 521     | 200 | 100  | 200  | 0    | 1100 | 200  | 1100 | 100 | 0   | 0    | 530     |
| 531     | 0   | 100  | 100  | 1300 | 200  | 0    | 300  | 100 | 500 | 2300 | 540     |
| 541     | 700 | 5400 | 1100 | 2300 | 2200 | 2500 | 800  |     |     |      |         |

ORIGIN ZONE 498 PURPOSE 1 100 TOTAL ORIG/PROD

| TO ZONE         | -1-                             | -2-  | -3-  | -4-  | -5- | -6- | -7- | -8-  | -9-  | -0-  | TO ZONE |
|-----------------|---------------------------------|------|------|------|-----|-----|-----|------|------|------|---------|
| 541             | 0                               | 100  | 0    | 0    | 0   | 0   | 0   | 0    | 0    | 0    |         |
| -CONTINUED-     |                                 |      |      |      |     |     |     |      |      |      |         |
| ORIGIN ZONE 499 | PURPOSE 1 12700 TOTAL ORIG/PROD |      |      |      |     |     |     |      |      |      |         |
| TO ZONE         | -1-                             | -2-  | -3-  | -4-  | -5- | -6- | -7- | -8-  | -9-  | -0-  | TO ZONE |
| 111             | 0                               | 0    | 700  | 0    | 0   | 0   | 0   | 0    | 0    | 0    | 120     |
| 121             | 0                               | 0    | 0    | 0    | 0   | 0   | 0   | 200  | 0    | 0    | 130     |
| 131             | 0                               | 100  | 0    | 0    | 0   | 0   | 0   | 0    | 0    | 0    | 140     |
| 181             | 0                               | 0    | 100  | 0    | 0   | 0   | 0   | 0    | 0    | 0    | 190     |
| 221             | 0                               | 0    | 0    | 0    | 0   | 400 | 0   | 0    | 0    | 0    | 230     |
| 231             | 0                               | 0    | 0    | 0    | 0   | 300 | 0   | 0    | 0    | 0    | 240     |
| 321             | 0                               | 0    | 100  | 0    | 0   | 100 | 0   | 0    | 0    | 0    | 330     |
| 391             | 0                               | 0    | 0    | 0    | 100 | 0   | 0   | 0    | 0    | 0    | 400     |
| 431             | 0                               | 0    | 100  | 0    | 0   | 0   | 0   | 0    | 0    | 0    | 440     |
| 491             | 0                               | 0    | 200  | 700  | 0   | 0   | 0   | 0    | 0    | 0    | 500     |
| 521             | 0                               | 0    | 600  | 0    | 800 | 300 | 100 | 100  | 0    | 0    | 530     |
| 531             | 0                               | 0    | 100  | 300  | 300 | 0   | 200 | 200  | 1000 | 2600 | 540     |
| 541             | 0                               | 300  | 600  | 400  | 0   | 900 | 800 | 0    | 0    | 0    |         |
| ORIGIN ZONE 500 | PURPOSE 1 4400 TOTAL ORIG/PROD  |      |      |      |     |     |     |      |      |      |         |
| TO ZONE         | -1-                             | -2-  | -3-  | -4-  | -5- | -6- | -7- | -8-  | -9-  | -0-  | TO ZONE |
| 121             | 0                               | 0    | 0    | 0    | 0   | 0   | 0   | 400  | 0    | 0    | 130     |
| 481             | 0                               | 0    | 0    | 100  | 0   | 0   | 0   | 0    | 0    | 0    | 490     |
| 491             | 0                               | 0    | 100  | 100  | 300 | 0   | 0   | 0    | 0    | 0    | 500     |
| 521             | 0                               | 0    | 100  | 0    | 0   | 0   | 0   | 0    | 0    | 0    | 530     |
| 531             | 0                               | 0    | 0    | 0    | 300 | 0   | 0   | 0    | 1000 | 100  | 540     |
| 541             | 0                               | 0    | 400  | 700  | 100 | 600 | 100 | 0    | 0    | 0    |         |
| ORIGIN ZONE 501 | PURPOSE 1 14900 TOTAL ORIG/PROD |      |      |      |     |     |     |      |      |      |         |
| TO ZONE         | -1-                             | -2-  | -3-  | -4-  | -5- | -6- | -7- | -8-  | -9-  | -0-  | TO ZONE |
| 21              | 0                               | 0    | 0    | 0    | 0   | 0   | 0   | 0    | 100  | 0    | 30      |
| 491             | 0                               | 0    | 200  | 0    | 100 | 0   | 100 | 0    | 0    | 0    | 500     |
| 521             | 0                               | 0    | 600  | 0    | 100 | 0   | 0   | 0    | 0    | 0    | 530     |
| 531             | 0                               | 0    | 0    | 0    | 0   | 0   | 0   | 0    | 200  | 500  | 540     |
| 541             | 100                             | 5800 | 3800 | 2100 | 200 | 400 | 600 | 0    | 0    | 0    |         |
| ORIGIN ZONE 502 | PURPOSE 1 21700 TOTAL ORIG/PROD |      |      |      |     |     |     |      |      |      |         |
| TO ZONE         | -1-                             | -2-  | -3-  | -4-  | -5- | -6- | -7- | -8-  | -9-  | -0-  | TO ZONE |
| 21              | 0                               | 0    | 0    | 0    | 0   | 0   | 0   | 0    | 200  | 0    | 30      |
| 121             | 0                               | 0    | 0    | 0    | 0   | 0   | 0   | 1900 | 0    | 0    | 130     |



| ORIGIN ZONE | PURPOSE | TOTAL ORIG/PROD |     |     |     |     |      |     |     |     |     | TO ZONE |
|-------------|---------|-----------------|-----|-----|-----|-----|------|-----|-----|-----|-----|---------|
|             |         | -1-             | -2- | -3- | -4- | -5- | -6-  | -7- | -8- | -9- | -0- |         |
| 510         | 1       | 200             |     |     |     |     |      |     |     |     |     |         |
| 121         |         | 0               | 0   | 0   | 0   | 0   | 0    | 0   | 100 | 0   | 0   | 130     |
| 491         |         | 0               | 0   | 0   | 0   | 100 | 0    | 0   | 0   | 0   | 0   | 500     |
| 511         | 1       | 0               |     |     |     |     |      |     |     |     |     |         |
| 512         | 1       | 100             |     |     |     |     |      |     |     |     |     |         |
| 491         |         | 0               | 0   | 100 | 0   | 0   | 0    | 0   | 0   | 0   | 0   | 500     |
| 513         | 1       | 0               |     |     |     |     |      |     |     |     |     |         |
| 514         | 1       | 100             |     |     |     |     |      |     |     |     |     |         |
| 21          |         | 0               | 100 | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 0   | 30      |
| 515         | 1       | 1100            |     |     |     |     |      |     |     |     |     |         |
| 381         |         | 0               | 0   | 0   | 0   | 0   | 1000 | 0   | 0   | 0   | 0   | 390     |
| 491         |         | 0               | 0   | 0   | 0   | 100 | 0    | 0   | 0   | 0   | 0   | 500     |
| 516         | 1       | 0               |     |     |     |     |      |     |     |     |     |         |
| 517         | 1       | 100             |     |     |     |     |      |     |     |     |     |         |
| 141         |         | 0               | 0   | 0   | 0   | 0   | 0    | 0   | 100 | 0   | 0   | 150     |
| 518         | 1       | 0               |     |     |     |     |      |     |     |     |     |         |
| 519         | 1       | 300             |     |     |     |     |      |     |     |     |     |         |
| 231         |         | 0               | 0   | 0   | 0   | 0   | 100  | 0   | 0   | 0   | 0   | 240     |



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| ORIGIN ZONE | 520 | 2100 TOTAL ORIG/PROD |     |     |     |      |     |     |     |     |         | 500 |
|-------------|-----|----------------------|-----|-----|-----|------|-----|-----|-----|-----|---------|-----|
| TO ZONE     | -1- | -2-                  | -3- | -4- | -5- | -6-  | -7- | -8- | -9- | -0- | TO ZONE |     |
| 101         | 0   | 0                    | 0   | 0   | 0   | 100  | 0   | 0   | 0   | 0   | 110     |     |
| 141         | 0   | 0                    | 0   | 0   | 0   | 100  | 200 | 0   | 0   | 0   | 150     |     |
| 281         | 0   | 0                    | 0   | 0   | 100 | 0    | 200 | 0   | 0   | 0   | 290     |     |
| 381         | 0   | 0                    | 0   | 0   | 0   | 1300 | 0   | 0   | 0   | 0   | 390     |     |
| 441         | 0   | 100                  | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 0   | 450     |     |

| ORIGIN ZONE | 521 | 2800 TOTAL ORIG/PROD |     |     |     |     |     |     |     |     |         |  |
|-------------|-----|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|---------|--|
| TO ZONE     | -1- | -2-                  | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |  |
| 41          | 0   | 0                    | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 0   | 50      |  |
| 51          | 0   | 0                    | 0   | 0   | 200 | 0   | 0   | 0   | 0   | 0   | 60      |  |
| 61          | 0   | 0                    | 0   | 0   | 0   | 0   | 200 | 0   | 0   | 0   | 70      |  |
| 221         | 0   | 0                    | 0   | 0   | 0   | 200 | 0   | 0   | 0   | 0   | 230     |  |
| 231         | 0   | 0                    | 0   | 0   | 0   | 0   | 200 | 0   | 0   | 0   | 240     |  |
| 261         | 0   | 100                  | 0   | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 270     |  |
| 311         | 700 | 0                    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 320     |  |
| 391         | 0   | 0                    | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 400     |  |
| 491         | 0   | 0                    | 100 | 0   | 400 | 0   | 100 | 0   | 0   | 0   | 500     |  |
| 561         | 100 | 200                  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 510     |  |

| ORIGIN ZONE | 522 | 10000 TOTAL ORIG/PROD |      |     |      |      |     |     |     |     |         |  |
|-------------|-----|-----------------------|------|-----|------|------|-----|-----|-----|-----|---------|--|
| TO ZONE     | -1- | -2-                   | -3-  | -4- | -5-  | -6-  | -7- | -8- | -9- | -0- | TO ZONE |  |
| 11          | 0   | 100                   | 0    | 0   | 0    | 0    | 0   | 0   | 0   | 0   | 20      |  |
| 21          | 0   | 0                     | 0    | 0   | 0    | 0    | 0   | 0   | 200 | 0   | 30      |  |
| 101         | 0   | 0                     | 0    | 0   | 0    | 0    | 0   | 0   | 200 | 0   | 110     |  |
| 111         | 0   | 100                   | 0    | 0   | 0    | 0    | 0   | 0   | 0   | 0   | 120     |  |
| 121         | 0   | 0                     | 0    | 0   | 0    | 0    | 0   | 400 | 0   | 0   | 130     |  |
| 181         | 0   | 0                     | 300  | 0   | 0    | 100  | 0   | 0   | 0   | 0   | 190     |  |
| 211         | 0   | 0                     | 0    | 0   | 0    | 300  | 0   | 0   | 0   | 0   | 220     |  |
| 221         | 0   | 0                     | 0    | 0   | 0    | 100  | 0   | 0   | 0   | 0   | 230     |  |
| 231         | 0   | 0                     | 0    | 0   | 0    | 1300 | 300 | 0   | 0   | 0   | 240     |  |
| 261         | 0   | 0                     | 0    | 0   | 0    | 500  | 0   | 0   | 0   | 0   | 270     |  |
| 281         | 0   | 0                     | 0    | 200 | 100  | 0    | 0   | 0   | 0   | 0   | 290     |  |
| 291         | 0   | 0                     | 0    | 0   | 200  | 0    | 0   | 0   | 100 | 0   | 300     |  |
| 301         | 0   | 300                   | 0    | 0   | 0    | 100  | 0   | 0   | 0   | 0   | 310     |  |
| 361         | 100 | 0                     | 0    | 0   | 0    | 0    | 0   | 0   | 0   | 0   | 370     |  |
| 441         | 0   | 100                   | 0    | 0   | 0    | 0    | 0   | 0   | 0   | 0   | 450     |  |
| 491         | 0   | 0                     | 1100 | 0   | 2100 | 0    | 0   | 100 | 0   | 0   | 500     |  |

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| ORIGIN ZONE | 523 | PURPOSE | 1    | 9700 TOTAL ORIG/PROD |      |     |     |      |     |     |         | TO ZONE |
|-------------|-----|---------|------|----------------------|------|-----|-----|------|-----|-----|---------|---------|
| TO ZONE     | -1- | -2-     | -3-  | -4-                  | -5-  | -6- | -7- | -8-  | -9- | -0- | TO ZONE |         |
| 21          | 0   | 200     | 0    | 0                    | 0    | 0   | 0   | 0    | 0   | 0   | 30      |         |
| 41          | 0   | 0       | 0    | 0                    | 0    | 0   | 0   | 100  | 0   | 0   | 50      |         |
| 101         | 0   | 0       | 100  | 0                    | 0    | 0   | 0   | 0    | 0   | 0   | 110     |         |
| 121         | 0   | 0       | 0    | 0                    | 0    | 0   | 0   | 1200 | 0   | 0   | 130     |         |
| 151         | 100 | 0       | 0    | 0                    | 0    | 0   | 0   | 0    | 0   | 0   | 160     |         |
| 181         | 0   | 0       | 1600 | 0                    | 0    | 0   | 0   | 0    | 0   | 0   | 190     |         |
| 201         | 0   | 0       | 0    | 0                    | 0    | 0   | 0   | 0    | 0   | 200 | 210     |         |
| 231         | 0   | 0       | 0    | 0                    | 0    | 300 | 0   | 0    | 0   | 0   | 240     |         |
| 281         | 0   | 0       | 0    | 100                  | 0    | 0   | 0   | 0    | 0   | 0   | 290     |         |
| 341         | 0   | 600     | 0    | 0                    | 0    | 0   | 0   | 0    | 0   | 0   | 350     |         |
| 351         | 0   | 0       | 0    | 0                    | 0    | 0   | 0   | 200  | 0   | 0   | 360     |         |
| 381         | 0   | 0       | 400  | 0                    | 0    | 0   | 0   | 100  | 0   | 0   | 390     |         |
| 401         | 0   | 0       | 100  | 0                    | 0    | 0   | 0   | 0    | 600 | 0   | 410     |         |
| 411         | 100 | 0       | 0    | 100                  | 0    | 0   | 0   | 0    | 0   | 0   | 420     |         |
| 431         | 0   | 0       | 100  | 0                    | 0    | 0   | 0   | 0    | 0   | 0   | 440     |         |
| 451         | 0   | 0       | 0    | 0                    | 0    | 0   | 0   | 0    | 100 | 0   | 460     |         |
| 491         | 0   | 0       | 600  | 0                    | 2600 | 0   | 0   | 0    | 0   | 200 | 500     |         |

| ORIGIN ZONE | 524 | PURPOSE | 1   | 1200 TOTAL ORIG/PROD |     |     |     |     |     |     |         | TO ZONE |
|-------------|-----|---------|-----|----------------------|-----|-----|-----|-----|-----|-----|---------|---------|
| TO ZONE     | -1- | -2-     | -3- | -4-                  | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |         |
| 101         | 0   | 0       | 100 | 0                    | 0   | 0   | 0   | 0   | 0   | 0   | 110     |         |
| 181         | 0   | 0       | 100 | 0                    | 0   | 0   | 0   | 0   | 0   | 0   | 190     |         |
| 231         | 0   | 0       | 0   | 0                    | 0   | 0   | 100 | 0   | 0   | 0   | 240     |         |
| 281         | 0   | 0       | 0   | 0                    | 100 | 0   | 0   | 0   | 0   | 0   | 290     |         |
| 311         | 300 | 0       | 0   | 0                    | 0   | 0   | 0   | 0   | 0   | 0   | 320     |         |
| 331         | 0   | 0       | 0   | 0                    | 0   | 0   | 100 | 0   | 0   | 0   | 340     |         |
| 341         | 0   | 100     | 0   | 0                    | 0   | 0   | 0   | 0   | 0   | 0   | 350     |         |
| 491         | 0   | 0       | 100 | 0                    | 200 | 0   | 0   | 0   | 0   | 0   | 500     |         |

| ORIGIN ZONE | 525 | PURPOSE | 1   | 36900 TOTAL ORIG/PROD |     |     |     |     |     |     |         | TO ZONE |
|-------------|-----|---------|-----|-----------------------|-----|-----|-----|-----|-----|-----|---------|---------|
| TO ZONE     | -1- | -2-     | -3- | -4-                   | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |         |
| 1           | 0   | 0       | 0   | 0                     | 0   | 0   | 0   | 0   | 700 | 0   | 10      |         |
| 21          | 0   | 0       | 0   | 0                     | 0   | 0   | 0   | 0   | 400 | 0   | 30      |         |
| 31          | 0   | 0       | 0   | 0                     | 0   | 0   | 300 | 0   | 0   | 100 | 40      |         |
| 41          | 0   | 0       | 0   | 200                   | 100 | 0   | 100 | 0   | 0   | 0   | 50      |         |
| 51          | 0   | 0       | 0   | 0                     | 500 | 0   | 0   | 0   | 0   | 0   | 60      |         |
| 61          | 0   | 0       | 0   | 0                     | 100 | 0   | 0   | 0   | 0   | 0   | 70      |         |



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|     |     |     |      |     |     |     |     |   |     |     |     |
|-----|-----|-----|------|-----|-----|-----|-----|---|-----|-----|-----|
| 211 | 0   | 0   | 0    | 0   | 0   | 300 | 0   | 0 | 0   | 0   | 220 |
| 221 | 0   | 0   | 0    | 0   | 0   | 200 | 0   | 0 | 0   | 0   | 230 |
| 231 | 0   | 0   | 0    | 0   | 0   | 400 | 300 | 0 | 0   | 0   | 240 |
| 261 | 0   | 0   | 0    | 100 | 0   | 0   | 0   | 0 | 0   | 0   | 270 |
| 281 | 0   | 0   | 0    | 100 | 200 | 0   | 0   | 0 | 0   | 0   | 290 |
| 291 | 0   | 0   | 0    | 0   | 100 | 0   | 0   | 0 | 0   | 0   | 300 |
| 301 | 0   | 0   | 0    | 0   | 0   | 0   | 0   | 0 | 100 | 0   | 310 |
| 311 | 0   | 0   | 0    | 0   | 100 | 0   | 0   | 0 | 0   | 0   | 320 |
| 321 | 0   | 0   | 200  | 0   | 0   | 0   | 0   | 0 | 0   | 0   | 330 |
| 331 | 0   | 0   | 100  | 0   | 0   | 0   | 0   | 0 | 0   | 0   | 340 |
| 341 | 0   | 200 | 0    | 0   | 0   | 0   | 0   | 0 | 0   | 0   | 350 |
| 361 | 0   | 0   | 100  | 0   | 0   | 0   | 0   | 0 | 0   | 0   | 370 |
| 391 | 0   | 0   | 0    | 0   | 300 | 0   | 0   | 0 | 0   | 0   | 400 |
| 401 | 0   | 0   | 0    | 0   | 0   | 0   | 0   | 0 | 200 | 0   | 410 |
| 421 | 0   | 0   | 0    | 100 | 0   | 0   | 0   | 0 | 0   | 0   | 430 |
| 431 | 0   | 100 | 100  | 0   | 0   | 0   | 0   | 0 | 0   | 0   | 440 |
| 461 | 0   | 0   | 0    | 0   | 0   | 0   | 0   | 0 | 300 | 0   | 470 |
| 481 | 0   | 0   | 100  | 700 | 0   | 0   | 0   | 0 | 0   | 0   | 490 |
| 491 | 0   | 0   | 2100 | 700 | 700 | 0   | 500 | 0 | 0   | 200 | 500 |
| 501 | 100 | 700 | 0    | 0   | 0   | 0   | 0   | 0 | 0   | 0   | 510 |

ORIGIN ZONE 527 PURPOSE 1 6600 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5-  | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|---------|
| 51      | 0   | 0   | 0   | 0   | 100  | 0   | 0   | 0   | 0   | 0   | 60      |
| 111     | 0   | 0   | 500 | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 120     |
| 121     | 0   | 0   | 200 | 0   | 0    | 0   | 0   | 200 | 0   | 0   | 130     |
| 181     | 0   | 0   | 100 | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 190     |
| 201     | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 0   | 100 | 210     |
| 211     | 0   | 0   | 0   | 0   | 0    | 100 | 0   | 0   | 0   | 0   | 220     |
| 221     | 0   | 0   | 0   | 0   | 0    | 100 | 200 | 0   | 0   | 0   | 230     |
| 231     | 0   | 0   | 0   | 0   | 0    | 0   | 100 | 100 | 0   | 0   | 240     |
| 271     | 100 | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 0   | 100 | 280     |
| 321     | 0   | 0   | 500 | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 330     |
| 401     | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 100 | 0   | 410     |
| 441     | 0   | 100 | 0   | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 450     |
| 451     | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 100 | 0   | 460     |
| 491     | 0   | 0   | 500 | 0   | 2300 | 0   | 800 | 0   | 100 | 100 | 500     |

ORIGIN ZONE 528 PURPOSE 1 14900 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8-  | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|---------|
| 21      | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 100 | 0   | 30      |
| 111     | 200 | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 120     |
| 121     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1100 | 0   | 0   | 130     |

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|     |   |     |      |      |     |     |     |     |     |   |     |
|-----|---|-----|------|------|-----|-----|-----|-----|-----|---|-----|
| 131 | 0 | 200 | 0    | 0    | 0   | 0   | 0   | 0   | 0   | 0 | 140 |
| 151 | 0 | 0   | 0    | 0    | 0   | 200 | 0   | 0   | 0   | 0 | 160 |
| 171 | 0 | 0   | 0    | 0    | 0   | 0   | 100 | 0   | 0   | 0 | 180 |
| 181 | 0 | 0   | 1000 | 0    | 0   | 0   | 0   | 0   | 0   | 0 | 190 |
| 221 | 0 | 0   | 0    | 0    | 0   | 600 | 0   | 0   | 0   | 0 | 230 |
| 231 | 0 | 0   | 0    | 0    | 0   | 400 | 600 | 0   | 0   | 0 | 240 |
| 281 | 0 | 0   | 0    | 0    | 0   | 200 | 0   | 0   | 0   | 0 | 290 |
| 291 | 0 | 0   | 0    | 0    | 0   | 0   | 0   | 0   | 200 | 0 | 300 |
| 321 | 0 | 0   | 100  | 0    | 0   | 0   | 0   | 0   | 0   | 0 | 330 |
| 351 | 0 | 0   | 0    | 0    | 0   | 0   | 0   | 400 | 0   | 0 | 360 |
| 361 | 0 | 0   | 100  | 1300 | 0   | 0   | 0   | 0   | 0   | 0 | 370 |
| 381 | 0 | 0   | 0    | 0    | 0   | 100 | 0   | 0   | 0   | 0 | 390 |
| 391 | 0 | 0   | 0    | 0    | 100 | 0   | 0   | 0   | 0   | 0 | 400 |
| 401 | 0 | 0   | 0    | 0    | 0   | 0   | 0   | 0   | 300 | 0 | 410 |
| 441 | 0 | 100 | 0    | 0    | 0   | 0   | 0   | 0   | 0   | 0 | 450 |
| 451 | 0 | 0   | 0    | 0    | 0   | 0   | 0   | 0   | 100 | 0 | 460 |
| 491 | 0 | 0   | 3500 | 2700 | 700 | 0   | 300 | 0   | 0   | 0 | 500 |
| 501 | 0 | 200 | 0    | 0    | 0   | 0   | 0   | 0   | 0   | 0 | 510 |

|                 |           |                     |     |     |     |     |     |     |     |     |         |
|-----------------|-----------|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| ORIGIN ZONE 529 | PURPOSE 1 | 200 TOTAL ORIG/PROD |     |     |     |     |     |     |     |     |         |
| TO ZONE         | -1-       | -2-                 | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
| 1               | 0         | 0                   | 0   | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 10      |
| 481             | 0         | 0                   | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 0   | 490     |

|                 |           |                     |     |     |     |     |     |     |     |     |         |
|-----------------|-----------|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| ORIGIN ZONE 530 | PURPOSE 1 | 900 TOTAL ORIG/PROD |     |     |     |     |     |     |     |     |         |
| TO ZONE         | -1-       | -2-                 | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
| 281             | 0         | 0                   | 0   | 0   | 0   | 400 | 0   | 0   | 0   | 0   | 290     |
| 351             | 0         | 0                   | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 0   | 360     |
| 441             | 0         | 200                 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 450     |
| 491             | 0         | 0                   | 100 | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 500     |

|                 |           |                     |     |     |     |     |     |     |     |     |         |
|-----------------|-----------|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| ORIGIN ZONE 531 | PURPOSE 1 | 500 TOTAL ORIG/PROD |     |     |     |     |     |     |     |     |         |
| TO ZONE         | -1-       | -2-                 | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
| 181             | 0         | 0                   | 300 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 190     |
| 351             | 0         | 0                   | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 0   | 360     |
| 421             | 0         | 0                   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 100 | 430     |

|                 |           |                      |     |     |     |     |     |     |     |     |         |
|-----------------|-----------|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| ORIGIN ZONE 532 | PURPOSE 1 | 2500 TOTAL ORIG/PROD |     |     |     |     |     |     |     |     |         |
| TO ZONE         | -1-       | -2-                  | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |

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|     |     |     |     |     |     |   |   |     |     |     |     |
|-----|-----|-----|-----|-----|-----|---|---|-----|-----|-----|-----|
| 121 | 0   | 0   | 0   | 0   | 0   | 0 | 0 | 500 | 0   | 0   | 130 |
| 181 | 0   | 0   | 100 | 0   | 0   | 0 | 0 | 0   | 0   | 0   | 190 |
| 191 | 0   | 0   | 0   | 0   | 0   | 0 | 0 | 0   | 100 | 0   | 200 |
| 201 | 0   | 0   | 0   | 0   | 0   | 0 | 0 | 0   | 0   | 100 | 210 |
| 261 | 0   | 100 | 0   | 0   | 0   | 0 | 0 | 0   | 0   | 0   | 270 |
| 281 | 0   | 0   | 0   | 0   | 100 | 0 | 0 | 0   | 0   | 0   | 290 |
| 351 | 0   | 0   | 0   | 0   | 0   | 0 | 0 | 0   | 0   | 100 | 360 |
| 461 | 0   | 0   | 0   | 0   | 0   | 0 | 0 | 200 | 0   | 0   | 470 |
| 491 | 0   | 0   | 0   | 200 | 800 | 0 | 0 | 0   | 0   | 0   | 500 |
| 501 | 200 | 0   | 0   | 0   | 0   | 0 | 0 | 0   | 0   | 0   | 510 |

| ORIGIN ZONE 533 | PURPOSE 1 |     |      |     |     |     |     |      |     |     | 8500 TOTAL ORIG/PROD |
|-----------------|-----------|-----|------|-----|-----|-----|-----|------|-----|-----|----------------------|
| TO ZONE         | -1-       | -2- | -3-  | -4- | -5- | -6- | -7- | -8-  | -9- | -0- | TO ZONE              |
| 21              | 0         | 800 | 0    | 0   | 0   | 0   | 0   | 0    | 100 | 0   | 30                   |
| 111             | 100       | 100 | 0    | 0   | 0   | 0   | 100 | 0    | 0   | 0   | 120                  |
| 121             | 0         | 0   | 0    | 0   | 0   | 0   | 0   | 700  | 0   | 0   | 130                  |
| 181             | 0         | 0   | 1400 | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 190                  |
| 231             | 0         | 0   | 0    | 0   | 0   | 200 | 0   | 0    | 0   | 0   | 240                  |
| 331             | 0         | 0   | 0    | 0   | 200 | 0   | 0   | 0    | 0   | 0   | 340                  |
| 351             | 0         | 0   | 0    | 0   | 0   | 0   | 0   | 1300 | 0   | 0   | 360                  |
| 361             | 0         | 0   | 0    | 0   | 0   | 0   | 0   | 0    | 0   | 100 | 370                  |
| 391             | 0         | 100 | 0    | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 400                  |
| 401             | 0         | 0   | 100  | 0   | 0   | 0   | 0   | 0    | 100 | 0   | 410                  |
| 411             | 100       | 0   | 0    | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 420                  |
| 421             | 0         | 0   | 200  | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 430                  |
| 431             | 0         | 0   | 100  | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 440                  |
| 481             | 0         | 0   | 0    | 300 | 0   | 0   | 0   | 0    | 0   | 0   | 490                  |
| 491             | 0         | 0   | 1000 | 100 | 700 | 0   | 0   | 0    | 200 | 0   | 500                  |
| 501             | 200       | 200 | 0    | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 510                  |

| ORIGIN ZONE 534 | PURPOSE 1 |     |     |     |     |     |     |      |     |     | 17700 TOTAL ORIG/PROD |
|-----------------|-----------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----------------------|
| TO ZONE         | -1-       | -2- | -3- | -4- | -5- | -6- | -7- | -8-  | -9- | -0- | TO ZONE               |
| 21              | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 100 | 0   | 30                    |
| 31              | 0         | 0   | 0   | 0   | 0   | 0   | 100 | 0    | 0   | 0   | 40                    |
| 41              | 0         | 0   | 0   | 100 | 200 | 0   | 0   | 0    | 0   | 0   | 50                    |
| 51              | 0         | 0   | 0   | 0   | 100 | 0   | 0   | 0    | 0   | 0   | 60                    |
| 101             | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 100 | 0   | 110                   |
| 121             | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 5100 | 0   | 0   | 130                   |
| 131             | 0         | 0   | 0   | 100 | 0   | 0   | 0   | 0    | 0   | 0   | 140                   |
| 161             | 100       | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 170                   |
| 181             | 0         | 0   | 700 | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 190                   |
| 221             | 0         | 0   | 0   | 0   | 0   | 300 | 0   | 0    | 0   | 0   | 230                   |
| 231             | 0         | 0   | 100 | 0   | 0   | 200 | 200 | 0    | 0   | 0   | 240                   |

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|     |     |     |      |      |     |     |     |     |      |     |     |
|-----|-----|-----|------|------|-----|-----|-----|-----|------|-----|-----|
| 251 | 0   | 200 | 0    | 0    | 0   | 0   | 0   | 0   | 0    | 0   | 260 |
| 271 | 300 | 0   | 0    | 0    | 0   | 0   | 0   | 0   | 0    | 0   | 280 |
| 281 | 0   | 0   | 0    | 0    | 0   | 200 | 0   | 0   | 0    | 300 | 290 |
| 301 | 0   | 0   | 100  | 0    | 0   | 0   | 0   | 0   | 100  | 0   | 310 |
| 341 | 0   | 100 | 0    | 0    | 0   | 0   | 0   | 0   | 0    | 0   | 350 |
| 351 | 0   | 0   | 0    | 0    | 0   | 0   | 0   | 800 | 0    | 0   | 360 |
| 361 | 0   | 0   | 0    | 400  | 0   | 0   | 0   | 0   | 0    | 0   | 370 |
| 401 | 0   | 0   | 0    | 0    | 0   | 0   | 0   | 0   | 1300 | 0   | 410 |
| 451 | 0   | 0   | 0    | 0    | 0   | 0   | 0   | 0   | 100  | 0   | 460 |
| 461 | 0   | 0   | 0    | 0    | 200 | 0   | 0   | 0   | 0    | 0   | 470 |
| 481 | 0   | 0   | 0    | 1000 | 0   | 0   | 0   | 0   | 0    | 0   | 490 |
| 491 | 0   | 0   | 2300 | 300  | 900 | 0   | 300 | 0   | 800  | 0   | 500 |
| 501 | 200 | 200 | 0    | 0    | 100 | 0   | 0   | 0   | 0    | 0   | 510 |

ORIGIN ZONE 535 PURPOSE 1 1900 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8-  | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|---------|
| 121     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1300 | 0   | 0   | 130     |
| 351     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 300  | 0   | 0   | 360     |
| 491     | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 500     |
| 501     | 100 | 100 | 0   | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 510     |

ORIGIN ZONE 536 PURPOSE 1 1700 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 21      | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 30      |
| 121     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 0   | 130     |
| 231     | 0   | 0   | 0   | 0   | 0   | 100 | 200 | 0   | 0   | 0   | 240     |
| 281     | 0   | 0   | 0   | 0   | 200 | 0   | 0   | 0   | 0   | 0   | 290     |
| 341     | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 350     |
| 491     | 0   | 0   | 0   | 0   | 400 | 0   | 0   | 0   | 0   | 0   | 500     |
| 501     | 0   | 500 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 510     |

ORIGIN ZONE 537 PURPOSE 1 8600 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3-  | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|---------|
| 51      | 0   | 0   | 0    | 0   | 200 | 0   | 0   | 0   | 0   | 0   | 60      |
| 121     | 0   | 0   | 0    | 0   | 0   | 0   | 0   | 400 | 0   | 0   | 130     |
| 161     | 200 | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 170     |
| 181     | 0   | 0   | 1100 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 190     |
| 221     | 0   | 0   | 0    | 0   | 0   | 100 | 0   | 0   | 0   | 0   | 230     |
| 281     | 0   | 0   | 0    | 0   | 100 | 0   | 0   | 0   | 0   | 300 | 290     |
| 311     | 0   | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 100 | 320     |
| 331     | 0   | 0   | 0    | 0   | 0   | 0   | 100 | 0   | 0   | 0   | 340     |

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|     |     |     |      |     |     |   |     |     |     |   |     |
|-----|-----|-----|------|-----|-----|---|-----|-----|-----|---|-----|
| 351 | 0   | 0   | 0    | 0   | 0   | 0 | 0   | 300 | 0   | 0 | 360 |
| 361 | 0   | 0   | 200  | 0   | 0   | 0 | 0   | 0   | 0   | 0 | 370 |
| 461 | 0   | 0   | 0    | 0   | 100 | 0 | 0   | 0   | 0   | 0 | 470 |
| 481 | 0   | 0   | 0    | 200 | 0   | 0 | 0   | 0   | 0   | 0 | 490 |
| 491 | 0   | 0   | 2600 | 300 | 700 | 0 | 500 | 0   | 400 | 0 | 500 |
| 501 | 100 | 600 | 0    | 0   | 0   | 0 | 0   | 0   | 0   | 0 | 510 |

ORIGIN ZONE 538 PURPOSE 1 10100 TOTAL ORIG/PROD

| TO ZONE | -1- | -2-  | -3- | -4-  | -5-  | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|------|-----|------|------|-----|-----|-----|-----|-----|---------|
| 21      | 0   | 0    | 0   | 0    | 0    | 0   | 0   | 0   | 100 | 0   | 30      |
| 41      | 0   | 0    | 0   | 0    | 0    | 0   | 0   | 100 | 0   | 0   | 50      |
| 51      | 100 | 0    | 0   | 0    | 0    | 0   | 0   | 0   | 0   | 0   | 60      |
| 61      | 0   | 0    | 0   | 0    | 0    | 100 | 0   | 0   | 0   | 0   | 70      |
| 121     | 0   | 0    | 0   | 0    | 0    | 0   | 0   | 200 | 0   | 0   | 130     |
| 131     | 0   | 0    | 0   | 0    | 0    | 0   | 0   | 0   | 100 | 0   | 140     |
| 151     | 0   | 0    | 0   | 0    | 0    | 600 | 0   | 0   | 0   | 0   | 160     |
| 161     | 100 | 0    | 0   | 0    | 0    | 0   | 0   | 0   | 0   | 0   | 170     |
| 171     | 0   | 0    | 0   | 0    | 0    | 0   | 200 | 0   | 0   | 0   | 180     |
| 181     | 200 | 0    | 100 | 0    | 0    | 0   | 0   | 0   | 0   | 0   | 190     |
| 231     | 0   | 0    | 0   | 0    | 0    | 300 | 100 | 0   | 0   | 0   | 240     |
| 241     | 0   | 0    | 0   | 0    | 800  | 0   | 0   | 0   | 0   | 0   | 250     |
| 281     | 0   | 0    | 0   | 0    | 500  | 0   | 0   | 0   | 0   | 0   | 290     |
| 291     | 600 | 0    | 0   | 0    | 0    | 0   | 0   | 0   | 0   | 0   | 300     |
| 311     | 0   | 0    | 0   | 0    | 400  | 0   | 0   | 0   | 0   | 0   | 320     |
| 361     | 0   | 0    | 0   | 1100 | 0    | 0   | 0   | 0   | 0   | 0   | 370     |
| 421     | 0   | 100  | 0   | 0    | 0    | 0   | 0   | 100 | 0   | 0   | 430     |
| 461     | 0   | 0    | 0   | 0    | 100  | 0   | 0   | 0   | 100 | 0   | 470     |
| 471     | 0   | 0    | 100 | 0    | 0    | 0   | 0   | 0   | 0   | 0   | 480     |
| 481     | 0   | 0    | 100 | 0    | 0    | 100 | 0   | 0   | 0   | 0   | 490     |
| 491     | 0   | 0    | 900 | 300  | 1200 | 0   | 100 | 0   | 0   | 0   | 500     |
| 501     | 200 | 1000 | 0   | 0    | 0    | 0   | 0   | 0   | 0   | 0   | 510     |

ORIGIN ZONE 539 PURPOSE 1 94500 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8-  | -9-  | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|---------|
| 1       | 0   | 0   | 200 | 0   | 0   | 0   | 0   | 0    | 700  | 0   | 10      |
| 21      | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 5600 | 0   | 30      |
| 31      | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 0    | 400 | 40      |
| 41      | 0   | 0   | 0   | 100 | 0   | 0   | 0   | 100  | 0    | 0   | 50      |
| 61      | 0   | 0   | 0   | 0   | 0   | 200 | 0   | 0    | 0    | 0   | 70      |
| 101     | 0   | 0   | 200 | 0   | 0   | 100 | 0   | 0    | 200  | 0   | 110     |
| 121     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 4400 | 0    | 0   | 130     |
| 131     | 0   | 000 | 0   | 100 | 0   | 0   | 0   | 0    | 0    | 0   | 140     |
| 171     | 0   | 0   | 0   | 0   | 0   | 0   | 100 | 0    | 0    | 0   | 180     |





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|     |   |     |      |      |      |     |     |   |       |   |     |
|-----|---|-----|------|------|------|-----|-----|---|-------|---|-----|
| 481 | 0 | 0   | 0    | 1000 | 0    | 0   | 0   | 0 | 0     | 0 | 490 |
| 491 | 0 | 0   | 2400 | 1400 | 3600 | 100 | 300 | 0 | 10700 | 0 | 500 |
| 501 | 0 | 600 | 0    | 0    | 0    | 0   | 0   | 0 | 0     | 0 | 510 |

ORIGIN ZONE 541 PURPOSE 1 39100 TOTAL ORIG/PROD

| TO ZONE | -1- | -2-  | -3-   | -4- | -5-  | -6- | -7-  | -8- | -9-  | -0- | TO ZONE |
|---------|-----|------|-------|-----|------|-----|------|-----|------|-----|---------|
| 21      | 0   | 0    | 0     | 0   | 0    | 0   | 0    | 0   | 1400 | 0   | 30      |
| 31      | 0   | 0    | 0     | 0   | 0    | 0   | 200  | 0   | 0    | 0   | 40      |
| 51      | 0   | 0    | 0     | 0   | 800  | 0   | 0    | 0   | 0    | 0   | 60      |
| 101     | 0   | 100  | 0     | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 110     |
| 121     | 0   | 0    | 0     | 0   | 0    | 0   | 0    | 400 | 0    | 0   | 130     |
| 181     | 0   | 0    | 700   | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 190     |
| 191     | 0   | 100  | 0     | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 200     |
| 211     | 0   | 0    | 0     | 0   | 0    | 100 | 0    | 0   | 0    | 0   | 220     |
| 221     | 0   | 0    | 0     | 0   | 0    | 200 | 0    | 0   | 0    | 0   | 230     |
| 231     | 0   | 0    | 0     | 0   | 0    | 300 | 900  | 100 | 0    | 0   | 240     |
| 261     | 0   | 100  | 0     | 200 | 0    | 200 | 0    | 0   | 0    | 0   | 270     |
| 281     | 0   | 0    | 0     | 200 | 100  | 200 | 100  | 0   | 0    | 0   | 290     |
| 311     | 100 | 0    | 0     | 0   | 100  | 0   | 0    | 0   | 0    | 0   | 320     |
| 321     | 0   | 0    | 11400 | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 330     |
| 341     | 0   | 200  | 0     | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 350     |
| 351     | 0   | 0    | 0     | 100 | 0    | 0   | 0    | 100 | 0    | 100 | 360     |
| 361     | 0   | 0    | 0     | 100 | 0    | 0   | 0    | 100 | 0    | 0   | 370     |
| 391     | 0   | 0    | 0     | 0   | 100  | 0   | 0    | 0   | 0    | 0   | 400     |
| 401     | 0   | 0    | 100   | 0   | 0    | 0   | 0    | 0   | 300  | 0   | 410     |
| 411     | 0   | 0    | 0     | 0   | 0    | 100 | 0    | 0   | 0    | 0   | 420     |
| 431     | 0   | 0    | 100   | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 440     |
| 441     | 0   | 500  | 0     | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 450     |
| 451     | 0   | 0    | 0     | 0   | 0    | 0   | 100  | 0   | 100  | 0   | 460     |
| 461     | 0   | 0    | 0     | 0   | 0    | 100 | 0    | 100 | 0    | 0   | 470     |
| 471     | 0   | 0    | 0     | 0   | 0    | 0   | 0    | 0   | 100  | 0   | 480     |
| 491     | 0   | 0    | 3500  | 900 | 5000 | 0   | 1300 | 0   | 6600 | 300 | 500     |
| 501     | 0   | 1100 | 0     | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 510     |

ORIGIN ZONE 542 PURPOSE 1 85200 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5-  | -6- | -7-  | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|------|-----|------|-----|-----|-----|---------|
| 1       | 0   | 0   | 200 | 0   | 0    | 0   | 0    | 0   | 900 | 100 | 10      |
| 11      | 0   | 0   | 0   | 0   | 0    | 0   | 100  | 0   | 0   | 0   | 20      |
| 21      | 0   | 100 | 0   | 0   | 0    | 100 | 0    | 0   | 200 | 0   | 30      |
| 31      | 0   | 0   | 0   | 0   | 0    | 0   | 1200 | 100 | 0   | 500 | 40      |
| 41      | 100 | 0   | 0   | 0   | 400  | 0   | 0    | 400 | 0   | 0   | 50      |
| 51      | 0   | 0   | 100 | 0   | 1100 | 0   | 0    | 0   | 0   | 0   | 60      |
| 61      | 0   | 0   | 0   | 0   | 0    | 200 | 0    | 0   | 0   | 0   | 70      |

MICHIGAN STATEWIDE TRANSPORTATION MODELING SYSTEM  
 1 PERCENT WAYBILL SAMPLE OF ALL RAIL MOVEMENTS WITH ORIG OR DEST IN MICH  
 CARLOADS OF FREIGHT SHIPPED (FACTORED BY 100)

-CONTINUED-

|     |      |      |       |      |      |      |      |      |      |     |     |
|-----|------|------|-------|------|------|------|------|------|------|-----|-----|
| 91  | 0    | 100  | 0     | 0    | 100  | 0    | 0    | 0    | 0    | 0   | 100 |
| 101 | 0    | 0    | 100   | 0    | 0    | 100  | 0    | 0    | 100  | 0   | 110 |
| 111 | 0    | 100  | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0   | 120 |
| 121 | 0    | 600  | 0     | 0    | 0    | 0    | 0    | 4200 | 0    | 0   | 130 |
| 131 | 0    | 100  | 0     | 0    | 0    | 100  | 0    | 0    | 0    | 0   | 140 |
| 141 | 0    | 0    | 0     | 0    | 0    | 100  | 0    | 0    | 0    | 100 | 150 |
| 151 | 100  | 0    | 100   | 0    | 0    | 100  | 0    | 0    | 100  | 0   | 160 |
| 161 | 100  | 0    | 0     | 0    | 100  | 0    | 0    | 0    | 0    | 0   | 170 |
| 181 | 100  | 0    | 3400  | 0    | 0    | 0    | 0    | 0    | 0    | 0   | 190 |
| 191 | 0    | 0    | 0     | 0    | 0    | 0    | 0    | 0    | 100  | 0   | 200 |
| 211 | 0    | 0    | 0     | 0    | 0    | 1100 | 0    | 0    | 0    | 0   | 220 |
| 221 | 0    | 0    | 0     | 0    | 0    | 4000 | 900  | 0    | 0    | 0   | 230 |
| 231 | 0    | 0    | 0     | 0    | 0    | 800  | 2300 | 100  | 200  | 0   | 240 |
| 241 | 100  | 0    | 0     | 0    | 0    | 0    | 0    | 400  | 0    | 0   | 250 |
| 251 | 0    | 300  | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0   | 260 |
| 261 | 0    | 400  | 0     | 300  | 0    | 300  | 100  | 0    | 0    | 0   | 270 |
| 271 | 600  | 0    | 0     | 0    | 0    | 0    | 100  | 0    | 0    | 0   | 280 |
| 281 | 0    | 0    | 0     | 100  | 0    | 1500 | 700  | 0    | 100  | 500 | 290 |
| 291 | 200  | 0    | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0   | 300 |
| 301 | 0    | 100  | 0     | 0    | 0    | 0    | 0    | 0    | 100  | 0   | 310 |
| 311 | 500  | 100  | 0     | 0    | 500  | 0    | 0    | 0    | 0    | 0   | 320 |
| 321 | 0    | 0    | 2600  | 0    | 0    | 3300 | 0    | 0    | 0    | 0   | 330 |
| 331 | 0    | 0    | 0     | 0    | 100  | 0    | 0    | 0    | 0    | 0   | 340 |
| 341 | 0    | 200  | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0   | 350 |
| 351 | 0    | 200  | 0     | 0    | 0    | 0    | 0    | 2700 | 0    | 0   | 360 |
| 361 | 0    | 0    | 100   | 1100 | 0    | 0    | 0    | 0    | 0    | 0   | 370 |
| 381 | 0    | 0    | 1100  | 0    | 0    | 0    | 100  | 0    | 100  | 0   | 390 |
| 391 | 0    | 0    | 0     | 0    | 200  | 0    | 0    | 100  | 0    | 0   | 400 |
| 401 | 0    | 0    | 300   | 0    | 0    | 0    | 0    | 0    | 3300 | 0   | 410 |
| 411 | 0    | 0    | 0     | 0    | 0    | 0    | 0    | 0    | 200  | 0   | 420 |
| 421 | 0    | 0    | 200   | 100  | 0    | 0    | 0    | 200  | 0    | 100 | 430 |
| 431 | 0    | 0    | 300   | 0    | 0    | 0    | 0    | 0    | 0    | 0   | 440 |
| 441 | 0    | 700  | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0   | 450 |
| 451 | 0    | 100  | 0     | 100  | 0    | 0    | 0    | 0    | 400  | 0   | 460 |
| 461 | 0    | 0    | 0     | 0    | 500  | 100  | 100  | 0    | 100  | 200 | 470 |
| 471 | 0    | 0    | 0     | 0    | 0    | 0    | 0    | 100  | 100  | 0   | 480 |
| 481 | 0    | 0    | 600   | 900  | 0    | 200  | 0    | 0    | 0    | 100 | 490 |
| 491 | 0    | 0    | 12200 | 2300 | 8400 | 200  | 1300 | 300  | 1700 | 200 | 500 |
| 501 | 2300 | 3200 | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0   | 510 |

| ORIGIN ZONE | 543 | PURPOSE | 1   | 50000 TOTAL ORIG/PROD |     |     |     |     |     |     | TO ZONE |
|-------------|-----|---------|-----|-----------------------|-----|-----|-----|-----|-----|-----|---------|
| TO ZONE     | -1- | -2-     | -3- | -4-                   | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
| 1           | 0   | 0       | 0   | 100                   | 0   | 0   | 0   | 0   | 0   | 100 | 10      |
| 21          | 0   | 300     | 0   | 0                     | 0   | 0   | 0   | 0   | 500 | 0   | 30      |
| 31          | 0   | 0       | 0   | 0                     | 0   | 0   | 300 | 0   | 0   | 400 | 40      |

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|     |      |      |      |      |      |      |      |      |      |     |     |
|-----|------|------|------|------|------|------|------|------|------|-----|-----|
| 41  | 0    | 0    | 0    | 100  | 0    | 0    | 100  | 200  | 0    | 0   | 50  |
| 51  | 0    | 0    | 0    | 0    | 1300 | 100  | 0    | 0    | 0    | 0   | 60  |
| 61  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 100  | 0    | 0   | 70  |
| 91  | 0    | 100  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0   | 100 |
| 101 | 0    | 0    | 200  | 0    | 0    | 100  | 0    | 0    | 0    | 0   | 110 |
| 111 | 0    | 100  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0   | 120 |
| 121 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1500 | 0    | 0   | 130 |
| 151 | 0    | 0    | 0    | 0    | 0    | 400  | 0    | 0    | 200  | 0   | 160 |
| 161 | 1200 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 100  | 0   | 170 |
| 181 | 0    | 0    | 800  | 100  | 0    | 0    | 0    | 0    | 0    | 0   | 190 |
| 191 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0   | 200 |
| 201 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 500 | 210 |
| 211 | 0    | 0    | 0    | 0    | 0    | 1800 | 0    | 0    | 0    | 100 | 220 |
| 221 | 0    | 0    | 0    | 0    | 0    | 1100 | 200  | 0    | 0    | 0   | 230 |
| 231 | 0    | 0    | 0    | 0    | 0    | 1600 | 1100 | 100  | 0    | 0   | 240 |
| 241 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 500  | 0    | 0   | 250 |
| 261 | 0    | 100  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0   | 270 |
| 271 | 200  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0   | 280 |
| 281 | 0    | 0    | 0    | 300  | 300  | 1100 | 0    | 0    | 100  | 0   | 290 |
| 291 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 100  | 0   | 300 |
| 311 | 0    | 0    | 0    | 0    | 2200 | 0    | 0    | 0    | 0    | 0   | 320 |
| 321 | 0    | 0    | 400  | 0    | 0    | 0    | 200  | 0    | 0    | 0   | 330 |
| 331 | 0    | 0    | 0    | 0    | 100  | 0    | 0    | 0    | 0    | 0   | 340 |
| 341 | 0    | 400  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 300 | 350 |
| 351 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 300  | 0    | 100 | 360 |
| 361 | 100  | 0    | 100  | 300  | 0    | 0    | 0    | 0    | 0    | 0   | 370 |
| 381 | 0    | 0    | 0    | 0    | 0    | 400  | 0    | 0    | 0    | 0   | 390 |
| 391 | 0    | 0    | 0    | 0    | 200  | 0    | 0    | 300  | 100  | 100 | 400 |
| 401 | 0    | 0    | 100  | 0    | 0    | 0    | 0    | 0    | 2600 | 0   | 410 |
| 421 | 0    | 0    | 0    | 200  | 100  | 0    | 0    | 100  | 0    | 0   | 430 |
| 431 | 0    | 0    | 300  | 0    | 0    | 0    | 0    | 0    | 0    | 0   | 440 |
| 441 | 0    | 200  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0   | 450 |
| 451 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 600  | 0   | 460 |
| 471 | 0    | 100  | 0    | 0    | 0    | 0    | 0    | 0    | 100  | 0   | 480 |
| 481 | 0    | 0    | 100  | 200  | 0    | 0    | 0    | 0    | 0    | 0   | 490 |
| 491 | 0    | 0    | 8000 | 2300 | 8200 | 100  | 1100 | 400  | 900  | 300 | 500 |
| 501 | 400  | 2300 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0   | 510 |

ORIGIN ZONE 544 PURPOSE 1 48700 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8- | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| 1       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 300 | 100 | 10      |
| 11      | 0   | 0   | 0   | 0   | 0   | 0   | 200 | 0   | 100 | 0   | 20      |
| 21      | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 200 | 0   | 30      |
| 31      | 0   | 0   | 0   | 100 | 0   | 0   | 100 | 0   | 0   | 0   | 40      |
| 41      | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 200 | 0   | 100 | 50      |



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|     |     |     |     |     |      |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|
| 21  | 0   | 100 | 0   | 0   | 0    | 0   | 0   | 0   | 200 | 0   | 30  |
| 31  | 100 | 0   | 0   | 0   | 0    | 0   | 600 | 0   | 0   | 0   | 40  |
| 41  | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 200 | 0   | 0   | 50  |
| 51  | 0   | 0   | 0   | 0   | 500  | 0   | 0   | 0   | 0   | 0   | 60  |
| 61  | 0   | 0   | 0   | 0   | 0    | 100 | 0   | 300 | 100 | 0   | 70  |
| 71  | 0   | 0   | 0   | 0   | 100  | 0   | 0   | 0   | 0   | 0   | 80  |
| 101 | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 100 | 0   | 110 |
| 121 | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 300 | 0   | 0   | 130 |
| 141 | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 100 | 0   | 0   | 150 |
| 151 | 200 | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 160 |
| 161 | 0   | 0   | 0   | 0   | 0    | 0   | 100 | 0   | 0   | 0   | 170 |
| 181 | 0   | 0   | 700 | 0   | 100  | 100 | 0   | 0   | 0   | 0   | 190 |
| 191 | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 0   | 300 | 200 |
| 211 | 0   | 0   | 0   | 0   | 0    | 300 | 0   | 0   | 0   | 0   | 220 |
| 221 | 0   | 0   | 0   | 0   | 0    | 600 | 0   | 0   | 0   | 0   | 230 |
| 231 | 0   | 0   | 200 | 0   | 0    | 700 | 500 | 0   | 0   | 0   | 240 |
| 241 | 100 | 0   | 0   | 0   | 0    | 0   | 0   | 200 | 0   | 0   | 250 |
| 261 | 0   | 100 | 0   | 0   | 0    | 100 | 0   | 0   | 0   | 0   | 270 |
| 271 | 200 | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 280 |
| 281 | 0   | 0   | 0   | 100 | 500  | 0   | 400 | 100 | 0   | 0   | 290 |
| 311 | 0   | 0   | 0   | 0   | 200  | 0   | 0   | 0   | 100 | 0   | 320 |
| 321 | 0   | 0   | 100 | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 330 |
| 331 | 0   | 0   | 0   | 0   | 100  | 0   | 100 | 0   | 0   | 0   | 340 |
| 341 | 0   | 300 | 0   | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 350 |
| 351 | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 500 | 0   | 300 | 360 |
| 361 | 100 | 0   | 100 | 400 | 0    | 0   | 0   | 0   | 0   | 0   | 370 |
| 391 | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 100 | 100 | 400 |
| 401 | 0   | 0   | 300 | 0   | 0    | 0   | 0   | 0   | 400 | 0   | 410 |
| 421 | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 100 | 0   | 100 | 430 |
| 441 | 0   | 200 | 0   | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 450 |
| 461 | 0   | 0   | 0   | 0   | 100  | 0   | 0   | 0   | 0   | 0   | 470 |
| 481 | 0   | 0   | 0   | 0   | 0    | 0   | 0   | 0   | 0   | 500 | 490 |
| 491 | 0   | 0   | 800 | 200 | 2300 | 0   | 300 | 0   | 0   | 0   | 500 |
| 501 | 0   | 800 | 0   | 0   | 100  | 0   | 0   | 0   | 0   | 0   | 510 |

ORIGIN ZONE 546 PURPOSE 1 55100 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3- | -4- | -5- | -6- | -7- | -8-  | -9- | -0- | TO ZONE |
|---------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|---------|
| 31      | 0   | 100 | 0   | 0   | 0   | 0   | 100 | 200  | 0   | 0   | 40      |
| 41      | 0   | 0   | 0   | 0   | 300 | 0   | 0   | 100  | 0   | 0   | 50      |
| 51      | 0   | 0   | 0   | 0   | 100 | 0   | 0   | 0    | 0   | 0   | 60      |
| 61      | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 0    | 0   | 0   | 70      |
| 101     | 0   | 0   | 0   | 0   | 0   | 100 | 0   | 0    | 100 | 0   | 110     |
| 121     | 0   | 100 | 0   | 0   | 0   | 0   | 0   | 2200 | 0   | 0   | 130     |
| 131     | 0   | 400 | 0   | 0   | 0   | 200 | 0   | 0    | 0   | 0   | 140     |
| 151     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 200 | 0   | 160     |

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|     |      |      |      |      |       |     |      |     |      |     |     |
|-----|------|------|------|------|-------|-----|------|-----|------|-----|-----|
| 181 | 0    | 0    | 1400 | 0    | 0     | 0   | 0    | 0   | 0    | 0   | 190 |
| 191 | 0    | 100  | 0    | 0    | 0     | 0   | 0    | 0   | 0    | 0   | 200 |
| 211 | 0    | 0    | 0    | 0    | 0     | 200 | 0    | 0   | 0    | 0   | 220 |
| 221 | 0    | 0    | 0    | 0    | 0     | 400 | 100  | 0   | 0    | 0   | 230 |
| 231 | 0    | 0    | 0    | 0    | 0     | 800 | 700  | 0   | 0    | 0   | 240 |
| 241 | 100  | 0    | 0    | 0    | 0     | 0   | 0    | 0   | 0    | 0   | 250 |
| 271 | 0    | 0    | 0    | 0    | 0     | 0   | 100  | 0   | 0    | 0   | 280 |
| 281 | 0    | 0    | 0    | 100  | 0     | 400 | 100  | 0   | 0    | 0   | 290 |
| 291 | 100  | 0    | 0    | 0    | 0     | 0   | 0    | 0   | 200  | 0   | 300 |
| 311 | 0    | 0    | 0    | 0    | 500   | 0   | 0    | 0   | 0    | 0   | 320 |
| 321 | 0    | 0    | 6100 | 0    | 0     | 0   | 0    | 0   | 0    | 0   | 330 |
| 341 | 0    | 300  | 0    | 0    | 0     | 0   | 0    | 0   | 0    | 0   | 350 |
| 351 | 0    | 0    | 0    | 0    | 0     | 0   | 0    | 600 | 0    | 200 | 360 |
| 361 | 0    | 0    | 300  | 700  | 0     | 0   | 0    | 100 | 0    | 0   | 370 |
| 391 | 0    | 200  | 0    | 0    | 300   | 0   | 0    | 0   | 0    | 0   | 400 |
| 401 | 0    | 0    | 0    | 0    | 0     | 0   | 0    | 0   | 600  | 0   | 410 |
| 411 | 0    | 0    | 0    | 300  | 0     | 0   | 0    | 0   | 0    | 0   | 420 |
| 431 | 0    | 0    | 100  | 0    | 0     | 0   | 0    | 0   | 0    | 0   | 440 |
| 441 | 0    | 300  | 0    | 0    | 0     | 0   | 0    | 0   | 0    | 0   | 450 |
| 471 | 0    | 0    | 0    | 0    | 0     | 0   | 0    | 0   | 100  | 0   | 480 |
| 481 | 0    | 0    | 0    | 800  | 0     | 400 | 0    | 0   | 0    | 100 | 490 |
| 491 | 0    | 0    | 9600 | 2500 | 14600 | 200 | 2500 | 200 | 1300 | 0   | 500 |
| 501 | 1000 | 1500 | 0    | 0    | 300   | 0   | 0    | 0   | 0    | 0   | 510 |

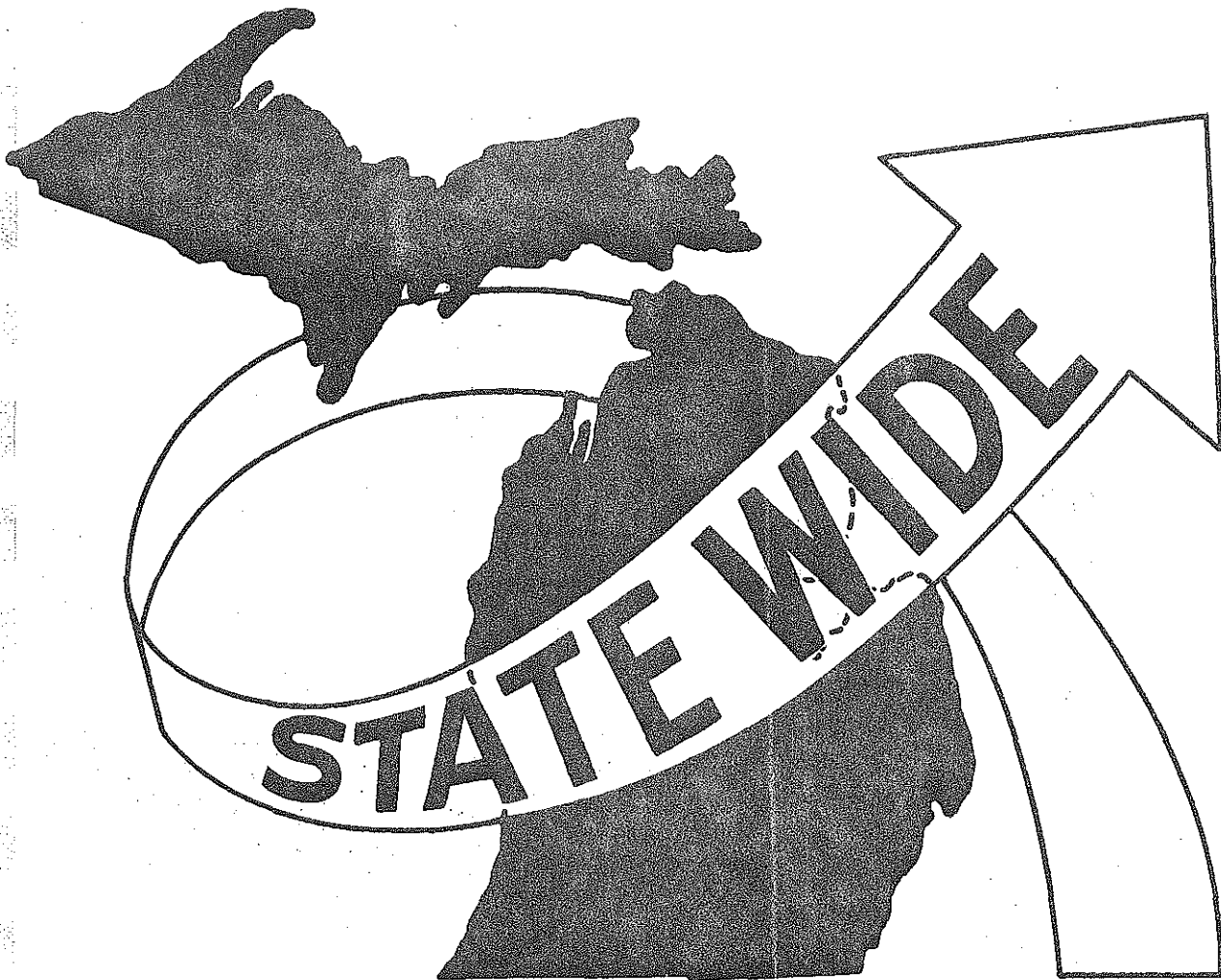
ORIGIN ZONE 547 PURPOSE 1 40500 TOTAL ORIG/PROD

| TO ZONE | -1- | -2- | -3-  | -4- | -5- | -6-  | -7- | -8-  | -9- | -0- | TO ZONE |
|---------|-----|-----|------|-----|-----|------|-----|------|-----|-----|---------|
| 1       | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0    | 0   | 100 | 10      |
| 21      | 0   | 100 | 0    | 0   | 0   | 0    | 0   | 0    | 200 | 0   | 30      |
| 41      | 0   | 0   | 0    | 0   | 400 | 0    | 0   | 0    | 0   | 0   | 50      |
| 51      | 0   | 0   | 0    | 0   | 200 | 0    | 0   | 0    | 0   | 0   | 60      |
| 61      | 0   | 0   | 0    | 0   | 0   | 200  | 0   | 0    | 0   | 0   | 70      |
| 121     | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 4700 | 0   | 0   | 130     |
| 131     | 0   | 200 | 0    | 0   | 0   | 100  | 0   | 0    | 0   | 0   | 140     |
| 181     | 0   | 0   | 1800 | 0   | 0   | 0    | 0   | 0    | 0   | 0   | 190     |
| 221     | 0   | 0   | 0    | 0   | 0   | 700  | 0   | 0    | 0   | 0   | 230     |
| 231     | 0   | 0   | 0    | 0   | 0   | 1000 | 500 | 0    | 0   | 0   | 240     |
| 261     | 0   | 0   | 0    | 0   | 0   | 0    | 100 | 0    | 0   | 100 | 270     |
| 281     | 0   | 0   | 0    | 300 | 0   | 700  | 100 | 0    | 0   | 0   | 290     |
| 311     | 0   | 0   | 0    | 0   | 200 | 0    | 0   | 0    | 0   | 0   | 320     |
| 321     | 0   | 0   | 100  | 0   | 0   | 0    | 0   | 0    | 0   | 0   | 330     |
| 341     | 0   | 300 | 0    | 0   | 0   | 0    | 0   | 0    | 0   | 100 | 350     |
| 351     | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 2000 | 0   | 0   | 360     |
| 361     | 0   | 0   | 100  | 500 | 0   | 0    | 0   | 0    | 0   | 0   | 370     |
| 391     | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0    | 100 | 0   | 400     |
| 401     | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0    | 900 | 0   | 410     |





# APPENDIX II



TRIP END SUMMARY --- PURPOSE 1

| ZONE/DIST | ORIG/PROD | DEST/ATTR | TOTAL | INTRATRIPS | ZONE/DIST | ORIG/PROD | DEST/ATTR | TOTAL | INTRATRIPS |
|-----------|-----------|-----------|-------|------------|-----------|-----------|-----------|-------|------------|
| 1         | 0         | 0         | 0     | 0          | 41        | 200       | 100       | 300   | 0          |
| 2         | 0         | 0         | 0     | 0          | 42        | 0         | 0         | 0     | 0          |
| 3         | 400       | 400       | 800   | 0          | 43        | 0         | 0         | 0     | 0          |
| 4         | 2100      | 100       | 2200  | 0          | 44        | 100       | 900       | 1000  | 0          |
| 5         | 100       | 0         | 100   | 0          | 45        | 200       | 1500      | 1700  | 0          |
| 6         | 0         | 0         | 0     | 0          | 46        | 0         | 0         | 0     | 0          |
| 7         | 0         | 0         | 0     | 0          | 47        | 100       | 300       | 400   | 0          |
| 8         | 0         | 0         | 0     | 0          | 48        | 300       | 1600      | 1900  | 0          |
| 9         | 1400      | 2700      | 4100  | 0          | 49        | 0         | 0         | 0     | 0          |
| 10        | 300       | 500       | 800   | 0          | 50        | 0         | 100       | 100   | 0          |
| 11        | 0         | 0         | 0     | 0          | 51        | 400       | 200       | 600   | 0          |
| 12        | 200       | 300       | 500   | 0          | 52        | 0         | 0         | 0     | 0          |
| 13        | 2800      | 0         | 2800  | 0          | 53        | 100       | 100       | 200   | 0          |
| 14        | 0         | 0         | 0     | 0          | 54        | 0         | 0         | 0     | 0          |
| 15        | 0         | 0         | 0     | 0          | 55        | 31000     | 12100     | 43100 | 0          |
| 16        | 0         | 0         | 0     | 0          | 56        | 100       | 100       | 200   | 0          |
| 17        | 0         | 300       | 300   | 0          | 57        | 0         | 0         | 0     | 0          |
| 18        | 100       | 0         | 100   | 0          | 58        | 0         | 0         | 0     | 0          |
| 19        | 0         | 100       | 100   | 0          | 59        | 0         | 0         | 0     | 0          |
| 20        | 1400      | 0         | 1400  | 0          | 60        | 0         | 0         | 0     | 0          |
| 21        | 0         | 0         | 0     | 0          | 61        | 0         | 0         | 0     | 0          |
| 22        | 2200      | 1800      | 4000  | 0          | 62        | 0         | 0         | 0     | 0          |
| 23        | 0         | 0         | 0     | 0          | 63        | 0         | 0         | 0     | 0          |
| 24        | 100       | 0         | 100   | 0          | 64        | 0         | 0         | 0     | 0          |
| 25        | 100       | 0         | 100   | 0          | 65        | 0         | 100       | 100   | 0          |
| 26        | 0         | 100       | 100   | 0          | 66        | 200       | 1500      | 1700  | 0          |
| 27        | 0         | 0         | 0     | 0          | 67        | 0         | 300       | 300   | 0          |
| 28        | 0         | 0         | 0     | 0          | 68        | 500       | 1000      | 1500  | 0          |
| 29        | 5000      | 21000     | 26000 | 0          | 69        | 0         | 200       | 200   | 0          |
| 30        | 0         | 0         | 0     | 0          | 70        | 0         | 0         | 0     | 0          |
| 31        | 100       | 100       | 200   | 0          | 71        | 0         | 100       | 100   | 0          |
| 32        | 0         | 200       | 200   | 0          | 72        | 0         | 100       | 100   | 0          |
| 33        | 0         | 0         | 0     | 0          | 73        | 0         | 0         | 0     | 0          |
| 34        | 100       | 100       | 200   | 0          | 74        | 0         | 0         | 0     | 0          |
| 35        | 100       | 0         | 100   | 0          | 75        | 0         | 300       | 300   | 0          |
| 36        | 0         | 0         | 0     | 0          | 76        | 0         | 0         | 0     | 0          |
| 37        | 5000      | 3800      | 9400  | 400        | 77        | 0         | 0         | 0     | 0          |
| 38        | 7000      | 300       | 8100  | 0          | 78        | 100       | 0         | 100   | 0          |
| 39        | 0         | 0         | 0     | 0          | 79        | 2800      | 0         | 2800  | 0          |
| 40        | 0         | 1400      | 2000  | 0          | 80        | 0         | 100       | 100   | 0          |

TRIP END SUMMARY

TRIP END SUMMARY --- PURPOSE 1

| ZONE/DIST | ORIG/PROD | DEST/ATTR | TOTAL  | INTRATRIPS | ZONE/DIST | ORIG/PROD | DEST/ATTR | TOTAL  | INTRATRIPS |
|-----------|-----------|-----------|--------|------------|-----------|-----------|-----------|--------|------------|
| 81        | 0         | 0         | 0      | 0          | 121       | 0         | 0         | 0      | 0          |
| 82        | 0         | 0         | 0      | 0          | 122       | 100       | 700       | 800    | 0          |
| 83        | 200       | 300       | 500    | 0          | 123       | 0         | 300       | 300    | 0          |
| 84        | 0         | 0         | 0      | 0          | 124       | 0         | 400       | 400    | 0          |
| 85        | 300       | 0         | 300    | 0          | 125       | 0         | 0         | 0      | 0          |
| 86        | 0         | 0         | 0      | 0          | 126       | 1500      | 0         | 1500   | 0          |
| 87        | 1400      | 0         | 1400   | 0          | 127       | 0         | 0         | 0      | 0          |
| 88        | 100       | 0         | 100    | 0          | 128       | 73600     | 48200     | 121800 | 0          |
| 89        | 100       | 0         | 100    | 0          | 129       | 0         | 0         | 0      | 0          |
| 90        | 0         | 0         | 0      | 0          | 130       | 0         | 300       | 300    | 0          |
| 91        | 0         | 0         | 0      | 0          | 131       | 0         | 0         | 0      | 0          |
| 92        | 200       | 200       | 400    | 0          | 132       | 14800     | 3100      | 17900  | 0          |
| 93        | 0         | 0         | 0      | 0          | 133       | 0         | 0         | 0      | 0          |
| 94        | 0         | 0         | 0      | 0          | 134       | 0         | 200       | 200    | 0          |
| 95        | 0         | 100       | 100    | 0          | 135       | 0         | 0         | 0      | 0          |
| 96        | 0         | 0         | 0      | 0          | 136       | 3400      | 400       | 3800   | 0          |
| 97        | 0         | 100       | 100    | 0          | 137       | 0         | 0         | 0      | 0          |
| 98        | 0         | 0         | 0      | 0          | 138       | 0         | 0         | 0      | 0          |
| 99        | 0         | 0         | 0      | 0          | 139       | 0         | 100       | 100    | 0          |
| 100       | 0         | 0         | 0      | 0          | 140       | 0         | 0         | 0      | 0          |
| 101       | 0         | 0         | 0      | 0          | 141       | 0         | 0         | 0      | 0          |
| 102       | 0         | 100       | 100    | 0          | 142       | 0         | 0         | 0      | 0          |
| 103       | 2400      | 122700    | 125100 | 0          | 143       | 0         | 0         | 0      | 0          |
| 104       | 0         | 0         | 0      | 0          | 144       | 0         | 0         | 0      | 0          |
| 105       | 200       | 0         | 200    | 0          | 145       | 0         | 0         | 0      | 0          |
| 106       | 4900      | 3100      | 8000   | 0          | 146       | 300       | 300       | 600    | 0          |
| 107       | 200       | 0         | 200    | 0          | 147       | 300       | 1100      | 1400   | 0          |
| 108       | 700       | 0         | 700    | 0          | 148       | 800       | 700       | 1500   | 0          |
| 109       | 300       | 1300      | 1600   | 0          | 149       | 600       | 0         | 600    | 0          |
| 110       | 27900     | 0         | 27900  | 0          | 150       | 1800      | 100       | 1900   | 0          |
| 111       | 3800      | 900       | 4700   | 0          | 151       | 400       | 500       | 900    | 0          |
| 112       | 900       | 400       | 1300   | 0          | 152       | 0         | 0         | 0      | 0          |
| 113       | 100       | 1300      | 1400   | 0          | 153       | 0         | 100       | 100    | 0          |
| 114       | 0         | 0         | 0      | 0          | 154       | 0         | 0         | 0      | 0          |
| 115       | 0         | 0         | 0      | 0          | 155       | 0         | 0         | 0      | 0          |
| 116       | 100       | 100       | 200    | 0          | 156       | 2900      | 2300      | 5200   | 0          |
| 117       | 0         | 400       | 400    | 0          | 157       | 100       | 0         | 100    | 0          |
| 118       | 0         | 0         | 0      | 0          | 158       | 1000      | 0         | 1000   | 0          |
| 119       | 0         | 0         | 0      | 0          | 159       | 200       | 600       | 800    | 0          |
| 120       | 0         | 200       | 200    | 0          | 160       | 100       | 0         | 100    | 0          |

TRIP END SUMMARY --- PURPOSE 1

| ZONE/DIST | ORIG/PROD | DEST/ATTR | TOTAL | INTRATRIPS | ZONE/DIST | ORIG/PROD | DEST/ATTR | TOTAL | INTRATRIPS |
|-----------|-----------|-----------|-------|------------|-----------|-----------|-----------|-------|------------|
| 161       | 360       | 1900      | 5500  | 0          | 201       | 1100      | 0         | 1100  | 0          |
| 162       | 0         | 0         | 0     | 0          | 202       | 0         | 0         | 0     | 0          |
| 163       | 0         | 0         | 0     | 0          | 203       | 0         | 0         | 0     | 0          |
| 164       | 0         | 0         | 0     | 0          | 204       | 100       | 0         | 100   | 0          |
| 165       | 300       | 100       | 400   | 0          | 205       | 8500      | 100       | 8600  | 0          |
| 166       | 0         | 0         | 0     | 0          | 206       | 600       | 0         | 600   | 0          |
| 167       | 0         | 300       | 300   | 0          | 207       | 900       | 0         | 900   | 0          |
| 168       | 0         | 0         | 0     | 0          | 208       | 100       | 0         | 100   | 0          |
| 169       | 200       | 100       | 300   | 0          | 209       | 1200      | 0         | 1200  | 0          |
| 170       | 700       | 0         | 700   | 0          | 210       | 300       | 1100      | 1400  | 0          |
| 171       | 100       | 0         | 100   | 0          | 211       | 200       | 0         | 200   | 0          |
| 172       | 300       | 0         | 300   | 0          | 212       | 0         | 0         | 0     | 0          |
| 173       | 0         | 0         | 0     | 0          | 213       | 0         | 100       | 100   | 0          |
| 174       | 0         | 0         | 0     | 0          | 214       | 0         | 0         | 0     | 0          |
| 175       | 300       | 0         | 300   | 0          | 215       | 0         | 0         | 0     | 0          |
| 176       | 300       | 0         | 300   | 0          | 216       | 7000      | 4900      | 11900 | 0          |
| 177       | 1200      | 800       | 2000  | 0          | 217       | 0         | 0         | 0     | 0          |
| 178       | 200       | 0         | 200   | 0          | 218       | 100       | 0         | 100   | 0          |
| 179       | 1000      | 0         | 1000  | 0          | 219       | 0         | 0         | 0     | 0          |
| 180       | 0         | 200       | 200   | 0          | 220       | 0         | 100       | 100   | 0          |
| 181       | 3000      | 300       | 3300  | 0          | 221       | 0         | 0         | 0     | 0          |
| 182       | 0         | 0         | 0     | 0          | 222       | 0         | 0         | 0     | 0          |
| 183       | 30700     | 32000     | 63300 | 0          | 223       | 0         | 0         | 0     | 0          |
| 184       | 0         | 100       | 100   | 0          | 224       | 0         | 0         | 0     | 0          |
| 185       | 0         | 100       | 100   | 0          | 225       | 0         | 0         | 0     | 0          |
| 186       | 600       | 300       | 900   | 0          | 226       | 18200     | 12900     | 31100 | 0          |
| 187       | 0         | 0         | 0     | 0          | 227       | 200       | 2500      | 2700  | 0          |
| 188       | 0         | 0         | 0     | 0          | 228       | 0         | 0         | 0     | 0          |
| 189       | 0         | 0         | 0     | 0          | 229       | 0         | 0         | 0     | 0          |
| 190       | 0         | 0         | 0     | 0          | 230       | 800       | 200       | 1000  | 0          |
| 191       | 100       | 0         | 100   | 0          | 231       | 0         | 0         | 0     | 0          |
| 192       | 500       | 400       | 1000  | 0          | 232       | 0         | 0         | 0     | 0          |
| 193       | 0         | 0         | 0     | 0          | 233       | 200       | 800       | 1000  | 0          |
| 194       | 200       | 100       | 300   | 0          | 234       | 0         | 0         | 0     | 0          |
| 195       | 0         | 0         | 0     | 0          | 235       | 0         | 0         | 0     | 0          |
| 196       | 0         | 0         | 0     | 0          | 236       | 24700     | 15300     | 40000 | 100        |
| 197       | 0         | 0         | 0     | 0          | 237       | 9700      | 12500     | 22200 | 0          |
| 198       | 0         | 0         | 0     | 0          | 238       | 0         | 400       | 400   | 0          |
| 199       | 0         | 300       | 300   | 0          | 239       | 0         | 200       | 200   | 0          |
| 200       | 100       | 500       | 600   | 0          | 240       | 0         | 0         | 0     | 0          |

TRIP END SUMMARY --- PURPOSE 1

| ZONE/DIST | ORIG/PROD | DEST/ATTR | TOTAL | INTRATRIPS | ZONE/DIST | ORIG/PROD | DEST/ATTR | TOTAL  | INTRATRIPS |
|-----------|-----------|-----------|-------|------------|-----------|-----------|-----------|--------|------------|
| 241       | 0         | 400       | 400   | 0          | 281       | 0         | 0         | 0      | 0          |
| 242       | 0         | 0         | 0     | 0          | 282       | 500       | 0         | 500    | 0          |
| 243       | 0         | 0         | 0     | 0          | 283       | 0         | 0         | 0      | 0          |
| 244       | 500       | 300       | 800   | 0          | 284       | 400       | 2100      | 2500   | 0          |
| 245       | 100       | 900       | 1000  | 0          | 285       | 0         | 2900      | 2900   | 0          |
| 246       | 0         | 0         | 0     | 0          | 286       | 15400     | 8400      | 23800  | 0          |
| 247       | 0         | 0         | 0     | 0          | 287       | 2000      | 2000      | 4000   | 0          |
| 248       | 100       | 2000      | 2100  | 0          | 288       | 100       | 400       | 500    | 0          |
| 249       | 0         | 0         | 0     | 0          | 289       | 800       | 900       | 1700   | 0          |
| 250       | 0         | 0         | 0     | 0          | 290       | 300       | 2100      | 2400   | 0          |
| 251       | 0         | 0         | 0     | 0          | 291       | 11700     | 1300      | 13000  | 0          |
| 252       | 200       | 700       | 900   | 0          | 292       | 0         | 0         | 0      | 0          |
| 253       | 0         | 0         | 0     | 0          | 293       | 400       | 100       | 500    | 0          |
| 254       | 0         | 0         | 0     | 0          | 294       | 0         | 0         | 0      | 0          |
| 255       | 0         | 0         | 0     | 0          | 295       | 9300      | 49900     | 59200  | 4500       |
| 256       | 0         | 0         | 0     | 0          | 296       | 300       | 0         | 300    | 0          |
| 257       | 0         | 0         | 0     | 0          | 297       | 400       | 0         | 400    | 0          |
| 258       | 400       | 0         | 400   | 0          | 298       | 400       | 0         | 400    | 0          |
| 259       | 100       | 200       | 300   | 0          | 299       | 100500    | 1300      | 101800 | 0          |
| 260       | 0         | 0         | 0     | 0          | 300       | 6000      | 2900      | 8900   | 0          |
| 261       | 0         | 0         | 0     | 0          | 301       | 25000     | 2400      | 27400  | 0          |
| 262       | 2400      | 1200      | 3600  | 0          | 302       | 17100     | 800       | 17900  | 0          |
| 263       | 0         | 0         | 0     | 0          | 303       | 400       | 100       | 500    | 0          |
| 264       | 100       | 600       | 700   | 0          | 304       | 0         | 0         | 0      | 0          |
| 265       | 0         | 0         | 0     | 0          | 305       | 0         | 0         | 0      | 0          |
| 266       | 1500      | 1300      | 2800  | 0          | 306       | 0         | 100       | 100    | 0          |
| 267       | 0         | 200       | 200   | 0          | 307       | 0         | 0         | 0      | 0          |
| 268       | 0         | 0         | 0     | 0          | 308       | 0         | 0         | 0      | 0          |
| 269       | 0         | 0         | 0     | 0          | 309       | 100       | 300       | 400    | 0          |
| 270       | 0         | 100       | 100   | 0          | 310       | 0         | 0         | 0      | 0          |
| 271       | 200       | 1600      | 1800  | 0          | 311       | 1800      | 2500      | 4300   | 0          |
| 272       | 0         | 0         | 0     | 0          | 312       | 400       | 100       | 500    | 0          |
| 273       | 0         | 0         | 0     | 0          | 313       | 100       | 100       | 200    | 0          |
| 274       | 0         | 0         | 0     | 0          | 314       | 400       | 0         | 400    | 0          |
| 275       | 0         | 0         | 0     | 0          | 315       | 12900     | 11300     | 24200  | 0          |
| 276       | 0         | 0         | 0     | 0          | 316       | 0         | 0         | 0      | 0          |
| 277       | 2200      | 300       | 2500  | 0          | 317       | 0         | 0         | 0      | 0          |
| 278       | 0         | 0         | 0     | 0          | 318       | 0         | 0         | 0      | 0          |
| 279       | 0         | 0         | 0     | 0          | 319       | 300       | 100       | 400    | 0          |
| 280       | 100       | 100       | 200   | 0          | 320       | 0         | 100       | 100    | 0          |

TRIP END SUMMARY --- PURPOSE 1

| ZONE/DIST | ORIG/PROD | DEST/ATTR | TOTAL | INTRATRIPS | ZONE/DIST | ORIG/PROD | DEST/ATTR | TOTAL | INTRATRIPS |
|-----------|-----------|-----------|-------|------------|-----------|-----------|-----------|-------|------------|
| 321       | 0         | 0         | 0     | 0          | 361       | 0         | 600       | 600   | 0          |
| 322       | 0         | 0         | 0     | 0          | 362       | 0         | 0         | 0     | 0          |
| 323       | 7600      | 25900     | 33500 | 0          | 363       | 400       | 1900      | 2300  | 0          |
| 324       | 0         | 0         | 0     | 0          | 364       | 8300      | 8900      | 17200 | 0          |
| 325       | 0         | 0         | 0     | 0          | 365       | 0         | 0         | 0     | 0          |
| 326       | 6000      | 4700      | 10700 | 0          | 366       | 0         | 0         | 0     | 0          |
| 327       | 0         | 200       | 200   | 0          | 367       | 0         | 0         | 0     | 0          |
| 328       | 200       | 0         | 200   | 0          | 368       | 0         | 200       | 200   | 0          |
| 329       | 0         | 0         | 0     | 0          | 369       | 0         | 300       | 300   | 0          |
| 330       | 200       | 0         | 200   | 0          | 370       | 1900      | 700       | 2600  | 0          |
| 331       | 0         | 0         | 0     | 0          | 371       | 0         | 0         | 0     | 0          |
| 332       | 0         | 0         | 0     | 0          | 372       | 0         | 0         | 0     | 0          |
| 333       | 0         | 100       | 100   | 0          | 373       | 100       | 0         | 100   | 0          |
| 334       | 0         | 0         | 0     | 0          | 374       | 0         | 0         | 0     | 0          |
| 335       | 3500      | 1300      | 4800  | 0          | 375       | 1500      | 0         | 1500  | 0          |
| 336       | 100       | 0         | 100   | 0          | 376       | 100       | 0         | 100   | 0          |
| 337       | 0         | 300       | 300   | 0          | 377       | 200       | 0         | 200   | 0          |
| 338       | 100       | 100       | 200   | 0          | 378       | 0         | 0         | 0     | 0          |
| 339       | 0         | 0         | 0     | 0          | 379       | 0         | 0         | 0     | 0          |
| 340       | 100       | 0         | 100   | 0          | 380       | 0         | 0         | 0     | 0          |
| 341       | 0         | 0         | 0     | 0          | 381       | 0         | 0         | 0     | 0          |
| 342       | 6000      | 4400      | 10400 | 0          | 382       | 0         | 0         | 0     | 0          |
| 343       | 0         | 0         | 0     | 0          | 383       | 1600      | 2100      | 3700  | 0          |
| 344       | 0         | 0         | 0     | 0          | 384       | 400       | 0         | 400   | 0          |
| 345       | 0         | 0         | 0     | 0          | 385       | 0         | 0         | 0     | 0          |
| 346       | 0         | 0         | 0     | 0          | 386       | 900       | 2800      | 3700  | 0          |
| 347       | 0         | 0         | 0     | 0          | 387       | 100       | 100       | 200   | 0          |
| 348       | 0         | 0         | 0     | 0          | 388       | 600       | 100       | 700   | 0          |
| 349       | 0         | 0         | 0     | 0          | 389       | 0         | 100       | 100   | 0          |
| 350       | 2900      | 600       | 3500  | 0          | 390       | 0         | 0         | 0     | 0          |
| 351       | 0         | 0         | 0     | 0          | 391       | 0         | 0         | 0     | 0          |
| 352       | 1900      | 500       | 1500  | 0          | 392       | 1600      | 400       | 2000  | 0          |
| 353       | 0         | 0         | 0     | 0          | 393       | 0         | 0         | 0     | 0          |
| 354       | 0         | 100       | 100   | 0          | 394       | 0         | 0         | 0     | 0          |
| 355       | 0         | 0         | 0     | 0          | 395       | 2500      | 3000      | 5500  | 0          |
| 356       | 100       | 0         | 100   | 0          | 396       | 0         | 200       | 200   | 0          |
| 357       | 0         | 0         | 0     | 0          | 397       | 0         | 0         | 0     | 0          |
| 358       | 24800     | 22600     | 47400 | 0          | 398       | 0         | 900       | 900   | 0          |
| 359       | 0         | 0         | 0     | 0          | 399       | 700       | 700       | 1400  | 0          |
| 360       | 200       | 1000      | 1200  | 0          | 400       | 100       | 13200     | 13300 | 0          |

TRIP END SUMMARY --- PURPOSE 1

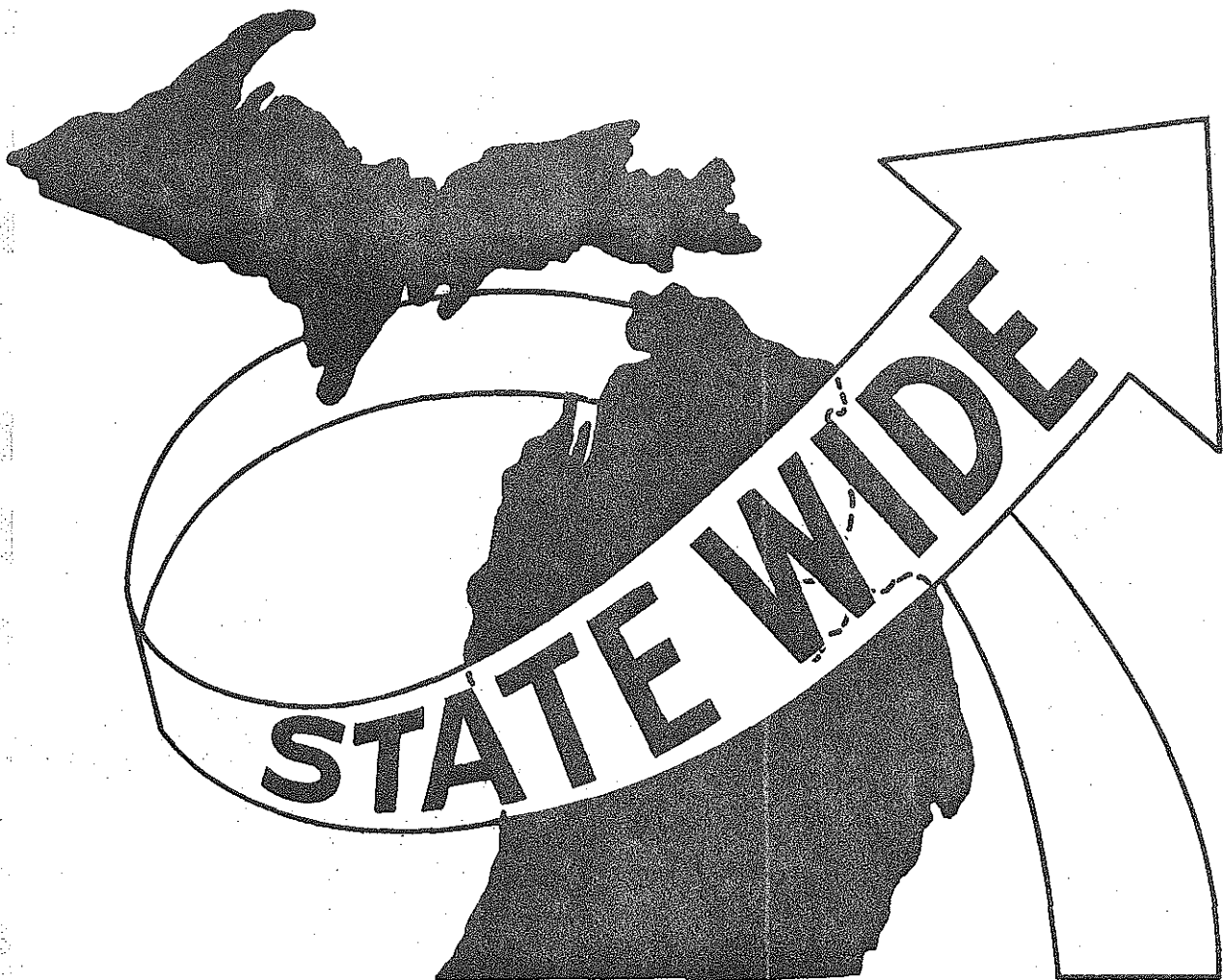
| ZONE/DIST | ORIG/PROD | DEST/ATTR | TOTAL | INTRATRIPS | ZONE/DIST | ORIG/PROD | DEST/ATTR | TOTAL | INTRATRIPS |
|-----------|-----------|-----------|-------|------------|-----------|-----------|-----------|-------|------------|
| 401       | 0         | 0         | 0     | 0          | 441       | 100       | 0         | 100   | 0          |
| 402       | 0         | 0         | 0     | 0          | 442       | 11200     | 6000      | 17200 | 0          |
| 403       | 300       | 1200      | 1500  | 0          | 443       | 0         | 0         | 0     | 0          |
| 404       | 500       | 0         | 500   | 0          | 444       | 0         | 0         | 0     | 0          |
| 405       | 100       | 0         | 100   | 0          | 445       | 2000      | 0         | 2000  | 0          |
| 406       | 0         | 0         | 0     | 0          | 446       | 100       | 0         | 100   | 0          |
| 407       | 0         | 0         | 0     | 0          | 447       | 0         | 0         | 0     | 0          |
| 408       | 0         | 0         | 0     | 0          | 448       | 0         | 0         | 0     | 0          |
| 409       | 12500     | 26600     | 39100 | 0          | 449       | 0         | 0         | 0     | 0          |
| 410       | 0         | 0         | 0     | 0          | 450       | 0         | 0         | 0     | 0          |
| 411       | 1200      | 800       | 2000  | 0          | 451       | 100       | 100       | 200   | 0          |
| 412       | 0         | 0         | 0     | 0          | 452       | 1600      | 100       | 1700  | 0          |
| 413       | 0         | 0         | 0     | 0          | 453       | 0         | 0         | 0     | 0          |
| 414       | 200       | 900       | 1100  | 0          | 454       | 100       | 100       | 200   | 0          |
| 415       | 0         | 100       | 100   | 0          | 455       | 0         | 0         | 0     | 0          |
| 416       | 0         | 100       | 100   | 0          | 456       | 100       | 0         | 100   | 0          |
| 417       | 0         | 0         | 0     | 0          | 457       | 0         | 500       | 500   | 0          |
| 418       | 0         | 0         | 0     | 0          | 458       | 0         | 0         | 0     | 0          |
| 419       | 0         | 200       | 200   | 0          | 459       | 2700      | 1900      | 4600  | 0          |
| 420       | 100       | 0         | 100   | 0          | 460       | 700       | 200       | 900   | 0          |
| 421       | 0         | 0         | 0     | 0          | 461       | 0         | 0         | 0     | 0          |
| 422       | 0         | 100       | 100   | 0          | 462       | 0         | 0         | 0     | 0          |
| 423       | 900       | 600       | 1500  | 0          | 463       | 0         | 0         | 0     | 0          |
| 424       | 0         | 500       | 500   | 0          | 464       | 100       | 0         | 100   | 0          |
| 425       | 0         | 100       | 100   | 0          | 465       | 500       | 1500      | 2000  | 0          |
| 426       | 0         | 0         | 0     | 0          | 466       | 500       | 200       | 700   | 0          |
| 427       | 400       | 0         | 400   | 0          | 467       | 500       | 100       | 600   | 0          |
| 428       | 100       | 600       | 700   | 0          | 468       | 300       | 300       | 600   | 0          |
| 429       | 0         | 0         | 0     | 0          | 469       | 300       | 1100      | 1400  | 0          |
| 430       | 600       | 1200      | 1800  | 0          | 470       | 200       | 200       | 400   | 0          |
| 431       | 500       | 0         | 500   | 0          | 471       | 100       | 100       | 200   | 0          |
| 432       | 1500      | 200       | 1700  | 0          | 472       | 0         | 100       | 100   | 0          |
| 433       | 1600      | 1400      | 3000  | 0          | 473       | 300       | 300       | 600   | 0          |
| 434       | 0         | 0         | 0     | 0          | 474       | 0         | 0         | 0     | 0          |
| 435       | 100       | 0         | 100   | 0          | 475       | 0         | 0         | 0     | 0          |
| 436       | 0         | 100       | 100   | 0          | 476       | 0         | 0         | 0     | 0          |
| 437       | 0         | 0         | 0     | 0          | 477       | 0         | 0         | 0     | 0          |
| 438       | 100       | 0         | 100   | 0          | 478       | 200       | 400       | 600   | 0          |
| 439       | 100       | 0         | 100   | 0          | 479       | 1500      | 800       | 2300  | 0          |
| 440       | 0         | 0         | 0     | 0          | 480       | 200       | 0         | 200   | 0          |

TRIP END SUMMARY --- PURPOSE 1

| ZONE/DIST | ORIG/PRCD | DEST/ATTR | TOTAL   | INTRATRIPS | ZONE/DIST | ORIG/PRCD | DEST/ATTR | TOTAL  | INTRATRIPS |
|-----------|-----------|-----------|---------|------------|-----------|-----------|-----------|--------|------------|
| 481       | 0         | 0         | 0       | 0          | 521       | 2800      | 8900      | 11700  | 0          |
| 482       | 0         | 0         | 0       | 0          | 522       | 10000     | 16300     | 26300  | 0          |
| 483       | 1300      | 1100      | 2400    | 0          | 523       | 9700      | 21600     | 31300  | 0          |
| 484       | 12100     | 14100     | 26200   | 0          | 524       | 1200      | 800       | 2000   | 0          |
| 485       | 0         | 0         | 0       | 0          | 525       | 36900     | 39100     | 76000  | 0          |
| 486       | 1100      | 1300      | 2400    | 0          | 526       | 15000     | 5600      | 20600  | 0          |
| 487       | 0         | 0         | 0       | 0          | 527       | 6600      | 12100     | 18700  | 0          |
| 488       | 0         | 0         | 0       | 0          | 528       | 14900     | 9100      | 24000  | 0          |
| 489       | 0         | 0         | 0       | 0          | 529       | 200       | 300       | 500    | 0          |
| 49        | 600       | 800       | 1400    | 0          | 530       | 900       | 200       | 1100   | 0          |
| 491       | 0         | 0         | 0       | 0          | 531       | 500       | 100       | 600    | 0          |
| 492       | 800       | 0         | 800     | 0          | 532       | 2500      | 700       | 3200   | 0          |
| 493       | 78000     | 83100     | 161100  | 0          | 533       | 8500      | 2600      | 11100  | 0          |
| 494       | 38200     | 37500     | 75700   | 0          | 534       | 17700     | 10300     | 28000  | 0          |
| 495       | 92300     | 99300     | 191600  | 0          | 535       | 1900      | 6800      | 8700   | 0          |
| 496       | 16000     | 1900      | 17900   | 0          | 536       | 1700      | 100       | 1800   | 0          |
| 497       | 26100     | 15500     | 41600   | 0          | 537       | 8600      | 7100      | 15700  | 0          |
| 498       | 100       | 2000      | 2100    | 0          | 538       | 10100     | 3400      | 13500  | 0          |
| 499       | 12700     | 55200     | 67900   | 0          | 539       | 94500     | 30900     | 125400 | 0          |
| 500       | 4400      | 1900      | 6300    | 0          | 540       | 49900     | 23000     | 72900  | 0          |
| 501       | 14900     | 17200     | 32100   | 0          | 541       | 39100     | 22700     | 61800  | 0          |
| 502       | 21700     | 20500     | 42200   | 0          | 542       | 85200     | 68300     | 153500 | 0          |
| 503       | 0         | 0         | 0       | 0          | 543       | 50000     | 110300    | 160300 | 0          |
| 504       | 500       | 0         | 500     | 0          | 544       | 48700     | 76400     | 125100 | 0          |
| 505       | 300       | 800       | 1100    | 0          | 545       | 17300     | 22400     | 39700  | 0          |
| 506       | 200       | 0         | 200     | 0          | 546       | 55100     | 118800    | 173900 | 0          |
| 507       | 0         | 0         | 0       | 0          | 547       | 40500     | 61500     | 102000 | 0          |
| 508       | 0         | 0         | 0       | 0          |           |           |           |        |            |
| 509       | 200       | 700       | 900     | 0          |           |           |           |        |            |
| 510       | 200       | 0         | 200     | 0          |           |           |           |        |            |
| 511       | 0         | 0         | 0       | 0          |           |           |           |        |            |
| 512       | 100       | 100       | 200     | 0          |           |           |           |        |            |
| 513       | 0         | 0         | 0       | 0          |           |           |           |        |            |
| 514       | 100       | 0         | 100     | 0          |           |           |           |        |            |
| 515       | 1100      | 200       | 1300    | 0          |           |           |           |        |            |
| 516       | 0         | 900       | 900     | 0          |           |           |           |        |            |
| 517       | 100       | 0         | 100     | 0          |           |           |           |        |            |
| 518       | 0         | 0         | 0       | 0          |           |           |           |        |            |
| 519       | 300       | 2700      | 3000    | 0          |           |           |           |        |            |
| 520       | 2100      | 0         | 2100    | 0          |           |           |           |        |            |
| TOTALS    | 1616700   | 1616700   | 3233400 | 5000       |           |           |           |        |            |



# APPENDIX III



# FRA CARLOADS AND TONNAGES

## 1972 FRA CARLOADS AND TONNAGES BY ZONE

| ZONE | CARS  | TONS    |
|------|-------|---------|
| 1    | 148   | 8892    |
| 2    | 0     | 0       |
| 3    | 1194  | 88350   |
| 4    | 944   | 54752   |
| 5    | 191   | 11078   |
| 6    | 1195  | 88414   |
| 7    | 77    | 3470    |
| 8    | 45    | 2289    |
| 9    | 5178  | 264520  |
| 10   | 706   | 34742   |
| 11   | 0     | 0       |
| 12   | 784   | 33074   |
| 13   | 16694 | 964417  |
| 14   | 39    | 1605    |
| 15   | 10813 | 678626  |
| 16   | 121   | 4491    |
| 17   | 254   | 11577   |
| 18   | 155   | 5622    |
| 19   | 274   | 15795   |
| 20   | 1306  | 84272   |
| 21   | 13    | 407     |
| 22   | 1592  | 92336   |
| 23   | 99    | 5742    |
| 24   | 307   | 17806   |
| 25   | 213   | 8009    |
| 26   | 17    | 865     |
| 27   | 0     | 0       |
| 28   | 105   | 2842    |
| 29   | 39428 | 2975046 |
| 30   | 0     | 0       |
| 31   | 245   | 14970   |
| 32   | 110   | 7165    |
| 33   | 126   | 7134    |
| 34   | 310   | 9144    |
| 35   | 137   | 5460    |
| 36   | 46    | 937     |
| 37   | 9244  | 301406  |
| 38   | 8050  | 586010  |
| 39   | 17    | 234     |
| 40   | 2469  | 131254  |
| 41   | 304   | 9227    |
| 42   | 38    | 1355    |
| 43   | 90    | 3977    |
| 44   | 1404  | 60089   |
| 45   | 2039  | 102727  |
| 46   | 0     | 0       |
| 47   | 514   | 31665   |
| 48   | 2174  | 122629  |
| 49   | 20    | 1217    |
| 50   | 40    | 2142    |

1972 FRA CARLOADS AND TONNAGES BY ZONE

| ZONE | CARS  | TONS    |
|------|-------|---------|
| 51   | 486   | 26726   |
| 52   | 0     | 0       |
| 53   | 131   | 5556    |
| 54   | 0     | 0       |
| 55   | 76361 | 2410766 |
| 56   | 83    | 5346    |
| 57   | 0     | 0       |
| 58   | 0     | 0       |
| 59   | 0     | 0       |
| 60   | 0     | 0       |
| 61   | 68    | 2873    |
| 62   | 0     | 0       |
| 63   | 0     | 0       |
| 64   | 0     | 0       |
| 65   | 29    | 846     |
| 66   | 1390  | 79635   |
| 67   | 504   | 18050   |
| 68   | 0     | 0       |
| 69   | 12321 | 548490  |
| 70   | 0     | 0       |
| 71   | 959   | 37689   |
| 72   | 79    | 5892    |
| 73   | 0     | 0       |
| 74   | 0     | 0       |
| 75   | 104   | 3418    |
| 76   | 51    | 1751    |
| 77   | 0     | 0       |
| 78   | 314   | 8757    |
| 79   | 7586  | 176647  |
| 80   | 1     | 42      |
| 81   | 230   | 9399    |
| 82   | 0     | 0       |
| 83   | 227   | 13166   |
| 84   | 0     | 0       |
| 85   | 333   | 19314   |
| 86   | 0     | 0       |
| 87   | 1348  | 78184   |
| 88   | 166   | 9628    |
| 89   | 108   | 4709    |
| 90   | 0     | 0       |
| 91   | 40    | 1480    |
| 92   | 430   | 26930   |
| 93   | 1     | 11      |
| 94   | 0     | 0       |
| 95   | 38    | 2288    |
| 96   | 9     | 501     |
| 97   | 44    | 1772    |
| 98   | 0     | 0       |
| 99   | 111   | 5560    |
| 100  | 0     | 0       |

## 1972 FRA CARLOADS AND TONNAGES BY ZONE

| ZONE | CARS   | TONS    |
|------|--------|---------|
| 101  | 220    | 8900    |
| 102  | 0      | 0       |
| 103  | 125812 | 6298448 |
| 104  | 205    | 10250   |
| 105  | 332    | 19256   |
| 106  | 5297   | 290266  |
| 107  | 241    | 13978   |
| 108  | 622    | 33716   |
| 109  | 0      | 0       |
| 110  | 0      | 0       |
| 111  | 0      | 0       |
| 112  | 545    | 31610   |
| 113  | 2061   | 139709  |
| 114  | 65     | 4299    |
| 115  | 17     | 813     |
| 116  | 16     | 774     |
| 117  | 5      | 127     |
| 118  | 0      | 0       |
| 119  | 48     | 3796    |
| 120  | 336    | 26617   |
| 121  | 0      | 0       |
| 122  | 608    | 41251   |
| 123  | 379    | 9147    |
| 124  | 503    | 29397   |
| 125  | 72     | 3866    |
| 126  | 1324   | 95148   |
| 127  | 4      | 119     |
| 128  | 143846 | 4144282 |
| 129  | 29     | 1175    |
| 130  | 281    | 11121   |
| 131  | 0      | 0       |
| 132  | 19860  | 558627  |
| 133  | 12     | 508     |
| 134  | 274    | 16055   |
| 135  | 0      | 0       |
| 136  | 3801   | 218495  |
| 137  | 0      | 0       |
| 138  | 103    | 4949    |
| 139  | 254    | 11025   |
| 140  | 107    | 4003    |
| 141  | 0      | 0       |
| 142  | 0      | 0       |
| 143  | 0      | 0       |
| 144  | 0      | 0       |
| 145  | 0      | 0       |
| 146  | 0      | 0       |
| 147  | 0      | 0       |
| 148  | 0      | 0       |
| 149  | 0      | 0       |
| 150  | 0      | 0       |

## 1972 FRA CARLOADS AND TONNAGES BY ZONE

| ZONE | CARS  | TONS    |
|------|-------|---------|
| 151  | 1446  | 59851   |
| 152  | 138   | 5309    |
| 153  | 26    | 942     |
| 154  | 0     | 0       |
| 155  | 102   | 4402    |
| 156  | 4983  | 220794  |
| 157  | 61    | 3929    |
| 158  | 842   | 61662   |
| 159  | 810   | 28036   |
| 160  | 227   | 12025   |
| 161  | 6204  | 244310  |
| 162  | 71    | 3396    |
| 163  | 43    | 2797    |
| 164  | 0     | 0       |
| 165  | 522   | 28813   |
| 166  | 0     | 0       |
| 167  | 227   | 13321   |
| 168  | 0     | 0       |
| 169  | 746   | 15602   |
| 170  | 4880  | 25984   |
| 171  | 7     | 460     |
| 172  | 210   | 12180   |
| 173  | 0     | 0       |
| 174  | 0     | 0       |
| 175  | 0     | 0       |
| 176  | 286   | 17388   |
| 177  | 1593  | 81827   |
| 178  | 0     | 0       |
| 179  | 1501  | 60394   |
| 180  | 39    | 1407    |
| 181  | 3480  | 135627  |
| 182  | 487   | 33302   |
| 183  | 82045 | 3304296 |
| 184  | 8     | 176     |
| 185  | 11    | 349     |
| 186  | 735   | 39026   |
| 187  | 49    | 4562    |
| 188  | 4     | 55      |
| 189  | 0     | 0       |
| 190  | 111   | 8324    |
| 191  | 41    | 1847    |
| 192  | 741   | 22651   |
| 193  | 20    | 649     |
| 194  | 421   | 25266   |
| 195  | 0     | 0       |
| 196  | 0     | 0       |
| 197  | 0     | 0       |
| 198  | 42    | 2322    |
| 199  | 804   | 44139   |
| 200  | 419   | 13821   |

## 1972 FRA CARLOADS AND TONNAGES BY ZONE

| ZONE | CARS  | TONS    |
|------|-------|---------|
| 201  | 1305  | 79207   |
| 202  | 3838  | 139429  |
| 203  | 12151 | 685712  |
| 204  | 0     | 0       |
| 205  | 0     | 0       |
| 206  | 0     | 0       |
| 207  | 0     | 0       |
| 208  | 0     | 0       |
| 209  | 0     | 0       |
| 210  | 581   | 25888   |
| 211  | 133   | 10969   |
| 212  | 0     | 0       |
| 213  | 13    | 382     |
| 214  | 0     | 0       |
| 215  | 34    | 1543    |
| 216  | 12139 | 375273  |
| 217  | 0     | 0       |
| 218  | 130   | 8092    |
| 219  | 8     | 152     |
| 220  | 446   | 25121   |
| 221  | 0     | 0       |
| 222  | 0     | 0       |
| 223  | 8     | 324     |
| 224  | 0     | 0       |
| 225  | 0     | 0       |
| 226  | 38505 | 1548114 |
| 227  | 3498  | 173321  |
| 228  | 1     | 38      |
| 229  | 28    | 1150    |
| 230  | 613   | 39385   |
| 231  | 0     | 0       |
| 232  | 0     | 0       |
| 233  | 2155  | 127088  |
| 234  | 250   | 9583    |
| 235  | 0     | 0       |
| 236  | 16024 | 478092  |
| 237  | 53702 | 1516961 |
| 238  | 377   | 12564   |
| 239  | 504   | 24930   |
| 240  | 216   | 12479   |
| 241  | 193   | 10453   |
| 242  | 0     | 0       |
| 243  | 1     | 9       |
| 244  | 924   | 47271   |
| 245  | 651   | 41893   |
| 246  | 0     | 0       |
| 247  | 0     | 0       |
| 248  | 4086  | 174795  |
| 249  | 0     | 0       |
| 250  | 43    | 2018    |

## 1972 FRA CARLOADS AND TONNAGES BY ZONE

| ZONE | CARS  | TONS    |
|------|-------|---------|
| 251  | 0     | 0       |
| 252  | 649   | 28779   |
| 253  | 0     | 0       |
| 254  | 62    | 4210    |
| 255  | 1     | 72      |
| 256  | 10    | 508     |
| 257  | 0     | 0       |
| 258  | 791   | 34226   |
| 259  | 239   | 6030    |
| 260  | 0     | 0       |
| 261  | 0     | 0       |
| 262  | 4839  | 158374  |
| 263  | 0     | 0       |
| 264  | 871   | 54265   |
| 265  | 0     | 0       |
| 266  | 2318  | 77191   |
| 267  | 467   | 14358   |
| 268  | 136   | 5372    |
| 269  | 109   | 8226    |
| 270  | 19    | 673     |
| 271  | 1506  | 69325   |
| 272  | 163   | 12106   |
| 273  | 0     | 0       |
| 274  | 6     | 229     |
| 275  | 1212  | 46569   |
| 276  | 7     | 154     |
| 277  | 2159  | 125222  |
| 278  | 5     | 290     |
| 279  | 0     | 0       |
| 280  | 74    | 4292    |
| 281  | 0     | 0       |
| 282  | 439   | 25462   |
| 283  | 38    | 2204    |
| 284  | 2745  | 124949  |
| 285  | 4343  | 163439  |
| 286  | 27931 | 1228074 |
| 287  | 4531  | 111972  |
| 288  | 660   | 28837   |
| 289  | 2063  | 48214   |
| 290  | 2534  | 148044  |
| 291  | 15928 | 882948  |
| 292  | 0     | 0       |
| 293  | 560   | 5877    |
| 294  | 38    | 1327    |
| 295  | 56331 | 4162286 |
| 296  | 58    | 2900    |
| 297  | 0     | 0       |
| 298  | 486   | 25172   |
| 299  | 53456 | 3825752 |
| 300  | 18    | 1044    |

## 1972 FRA CARLOADS AND TONNAGES BY ZONE

| ZONE | CARS  | TONS    |
|------|-------|---------|
| 301  | 140   | 8120    |
| 302  | 17084 | 1225040 |
| 303  | 514   | 19505   |
| 304  | 20    | 362     |
| 305  | 0     | 0       |
| 306  | 130   | 5550    |
| 307  | 0     | 0       |
| 308  | 0     | 0       |
| 309  | 117   | 7629    |
| 310  | 28    | 1774    |
| 311  | 3573  | 178650  |
| 312  | 292   | 15232   |
| 313  | 126   | 6300    |
| 314  | 660   | 33000   |
| 315  | 31960 | 1966205 |
| 316  | 0     | 0       |
| 317  | 0     | 0       |
| 318  | 11    | 423     |
| 319  | 411   | 3230    |
| 320  | 65    | 3253    |
| 321  | 0     | 0       |
| 322  | 0     | 0       |
| 323  | 32354 | 3334035 |
| 324  | 48    | 1944    |
| 325  | 35    | 1458    |
| 326  | 10425 | 758245  |
| 327  | 174   | 9698    |
| 328  | 102   | 6266    |
| 329  | 63    | 1569    |
| 330  | 134   | 12861   |
| 331  | 0     | 0       |
| 332  | 1357  | 63700   |
| 333  | 112   | 5131    |
| 334  | 127   | 5344    |
| 335  | 5157  | 103738  |
| 336  | 5352  | 10906   |
| 337  | 492   | 24575   |
| 338  | 677   | 23458   |
| 339  | 26    | 1034    |
| 340  | 95    | 4349    |
| 341  | 0     | 0       |
| 342  | 16194 | 831245  |
| 343  | 0     | 0       |
| 344  | 67    | 3466    |
| 345  | 0     | 0       |
| 346  | 11    | 411     |
| 347  | 99    | 4300    |
| 348  | 1     | 38      |
| 349  | 0     | 0       |
| 350  | 4319  | 281803  |



## 1972 FRA CARLOADS AND TONNAGES BY ZONE

| ZONE | CARS  | TONS    |
|------|-------|---------|
| 351  | 15    | 503     |
| 352  | 1937  | 86469   |
| 353  | 3     | 81      |
| 354  | 26    | 782     |
| 355  | 2     | 102     |
| 356  | 134   | 4866    |
| 357  | 209   | 9976    |
| 358  | 55104 | 1711842 |
| 359  | 0     | 0       |
| 360  | 1406  | 58514   |
| 361  | 1451  | 55457   |
| 362  | 0     | 0       |
| 363  | 3436  | 128073  |
| 364  | 21014 | 660755  |
| 365  | 90    | 3458    |
| 366  | 0     | 0       |
| 367  | 0     | 0       |
| 368  | 250   | 9072    |
| 369  | 337   | 11853   |
| 370  | 3079  | 41924   |
| 371  | 156   | 5926    |
| 372  | 0     | 0       |
| 373  | 326   | 13847   |
| 374  | 22    | 1054    |
| 375  | 1862  | 148580  |
| 376  | 174   | 7005    |
| 377  | 369   | 14089   |
| 378  | 1     | 10      |
| 379  | 2     | 36      |
| 380  | 225   | 10229   |
| 381  | 0     | 0       |
| 382  | 0     | 0       |
| 383  | 0     | 0       |
| 384  | 0     | 0       |
| 385  | 36    | 2088    |
| 386  | 1095  | 63510   |
| 387  | 369   | 16997   |
| 388  | 1021  | 14555   |
| 389  | 22    | 883     |
| 390  | 10    | 404     |
| 391  | 0     | 0       |
| 392  | 2118  | 121134  |
| 393  | 0     | 0       |
| 394  | 6     | 135     |
| 395  | 5355  | 281602  |
| 396  | 250   | 11066   |
| 397  | 78    | 3094    |
| 398  | 688   | 18469   |
| 399  | 1293  | 44914   |
| 400  | 15558 | 1542670 |

## 1972 FRA CARLOADS AND TONNAGES BY ZONE

| ZONE | CARS  | TONS    |
|------|-------|---------|
| 401  | 0     | 0       |
| 402  | 0     | 0       |
| 403  | 1803  | 56261   |
| 404  | 4960  | 331734  |
| 405  | 121   | 4355    |
| 406  | 80    | 2910    |
| 407  | 0     | 0       |
| 408  | 105   | 4176    |
| 409  | 45222 | 2451150 |
| 410  | 126   | 9213    |
| 411  | 3433  | 143993  |
| 412  | 12    | 291     |
| 413  | 0     | 0       |
| 414  | 681   | 34556   |
| 415  | 186   | 6691    |
| 416  | 49    | 2833    |
| 417  | 242   | 15322   |
| 418  | 47    | 3955    |
| 419  | 1153  | 82258   |
| 420  | 232   | 18580   |
| 421  | 0     | 0       |
| 422  | 64    | 2650    |
| 423  | 1720  | 72013   |
| 424  | 456   | 21758   |
| 425  | 139   | 8794    |
| 426  | 0     | 0       |
| 427  | 473   | 24171   |
| 428  | 752   | 36310   |
| 429  | 131   | 9641    |
| 430  | 1132  | 65656   |
| 431  | 439   | 25462   |
| 432  | 791   | 45878   |
| 433  | 3637  | 158157  |
| 434  | 20    | 594     |
| 435  | 246   | 9864    |
| 436  | 55    | 3332    |
| 437  | 2     | 123     |
| 438  | 216   | 14322   |
| 439  | 137   | 11882   |
| 440  | 30    | 1290    |
| 441  | 87    | 5585    |
| 442  | 31548 | 1839610 |
| 443  | 0     | 0       |
| 444  | 0     | 0       |
| 445  | 2177  | 176074  |
| 446  | 10    | 524     |
| 447  | 0     | 0       |
| 448  | 64    | 3908    |
| 449  | 88    | 5960    |
| 450  | 69    | 4094    |

## 1972 FRA CARLOADS AND TONNAGES BY ZONE

| ZONE | CARS   | TONS    |
|------|--------|---------|
| 451  | 180    | 9046    |
| 452  | 1855   | 72674   |
| 453  | 44     | 1648    |
| 454  | 363    | 12806   |
| 455  | 24     | 1240    |
| 456  | 103    | 7880    |
| 457  | 579    | 25027   |
| 458  | 49     | 1892    |
| 459  | 5506   | 239314  |
| 460  | 1024   | 45424   |
| 461  | 2      | 35      |
| 462  | 58     | 4585    |
| 463  | 1      | 9       |
| 464  | 64     | 3572    |
| 465  | 1372   | 87297   |
| 466  | 652    | 37361   |
| 467  | 252    | 19132   |
| 468  | 632    | 45933   |
| 469  | 1597   | 70794   |
| 470  | 529    | 35117   |
| 471  | 241    | 9556    |
| 472  | 452    | 28992   |
| 473  | 957    | 42289   |
| 474  | 161    | 8917    |
| 475  | 29     | 2014    |
| 476  | 343    | 15297   |
| 477  | 0      | 0       |
| 478  | 385    | 15747   |
| 479  | 1258   | 48432   |
| 480  | 0      | 0       |
| 481  | 32     | 1335    |
| 482  | 62     | 2567    |
| 483  | 2822   | 128694  |
| 484  | 31408  | 852623  |
| 485  | 0      | 0       |
| 486  | 0      | 0       |
| 487  | 3317   | 100114  |
| 488  | 0      | 0       |
| 489  | 0      | 0       |
| 490  | 1481   | 94312   |
| 491  | 0      | 0       |
| 492  | 994    | 16030   |
| 493  | 206738 | 8139503 |
| 494  | 72817  | 3090094 |
| 495  | 196055 | 6814142 |
| 496  | 24809  | 742159  |
| 497  | 72911  | 5199483 |
| 498  | 0      | 0       |
| 499  | 78423  | 5598818 |
| 500  | 12743  | 467650  |

## 1972 FRA CARLOADS AND TONNAGES BY ZONE

| ZONE | CARS    | TONS     |
|------|---------|----------|
| 501  | 35810   | 1279253  |
| 502  | 48898   | 1518126  |
| 503  | 0       | 0        |
| 504  | 970     | 40002    |
| 505  | 1146    | 32942    |
| 506  | 176     | 3292     |
| 507  | 52      | 1708     |
| 508  | 27      | 655      |
| 509  | 0       | 0        |
| 510  | 0       | 0        |
| 511  | 0       | 0        |
| 512  | 0       | 0        |
| 513  | 0       | 0        |
| 514  | 0       | 0        |
| 515  | 0       | 0        |
| 516  | 0       | 0        |
| 517  | 0       | 0        |
| 518  | 0       | 0        |
| 519  | 0       | 0        |
| 520  | 0       | 0        |
| 521  | 0       | 0        |
| 522  | 0       | 0        |
| 523  | 0       | 0        |
| 524  | 0       | 0        |
| 525  | 0       | 0        |
| 526  | 0       | 0        |
| 527  | 0       | 0        |
| 528  | 0       | 0        |
| 529  | 0       | 0        |
| 530  | 0       | 0        |
| 531  | 0       | 0        |
| 532  | 0       | 0        |
| 533  | 0       | 0        |
| 534  | 0       | 0        |
| 535  | 0       | 0        |
| 536  | 0       | 0        |
| 537  | 0       | 0        |
| 538  | 0       | 0        |
| 539  | 0       | 0        |
| 540  | 0       | 0        |
| 541  | 0       | 0        |
| 542  | 0       | 0        |
| 543  | 0       | 0        |
| 544  | 0       | 0        |
| 545  | 0       | 0        |
| 546  | 0       | 0        |
| 547  | 0       | 0        |
|      | 2140266 | 98748728 |