
***Miami Urban Area
Transportation Study (MUATS)***

***Model Validation and
Year 2010 Plan Update***

**Appendices For
Technical Report 2**

submitted to:



Metro-Dade County
**Metropolitan Planning
Organization**

prepared by:



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FLOW CHART

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FIGURE 1

**MIAMI TRANSPORTATION PLANNING MODEL
FLOW CHART**

MODELING STEPS

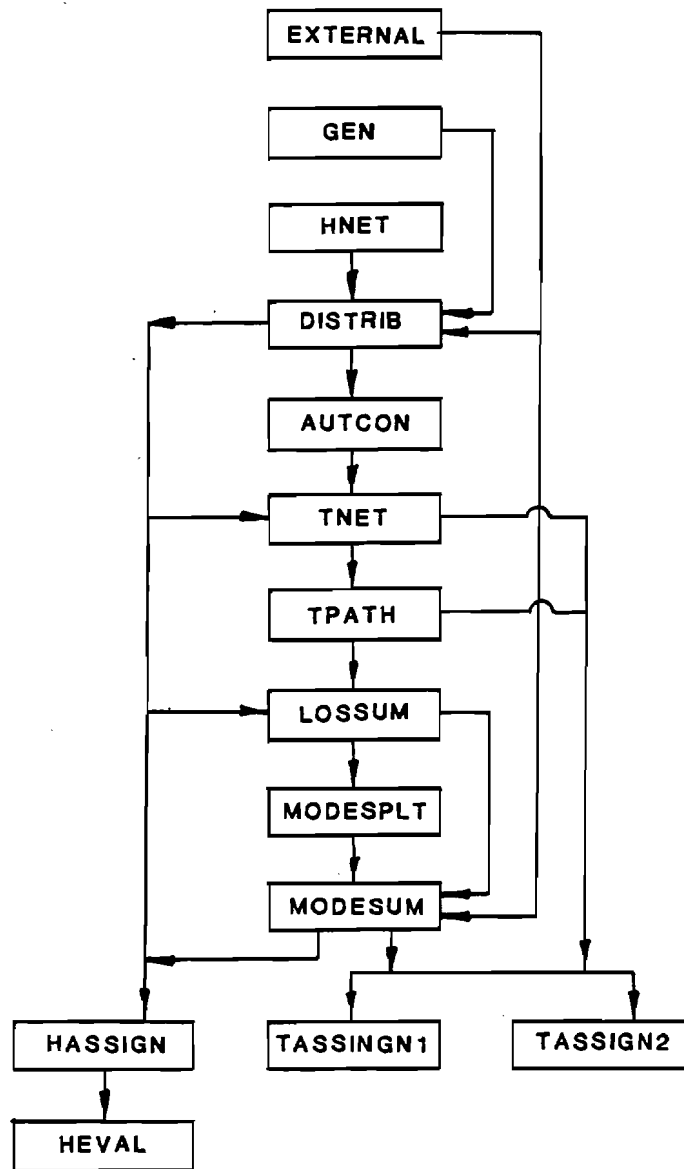


FIGURE 2

MIAMI TRANSPORTATION PLANNING MODEL

FLOW CHART

HIGHWAY EXTERNAL TO EXTERNAL TRIPS (EXTERNAL)

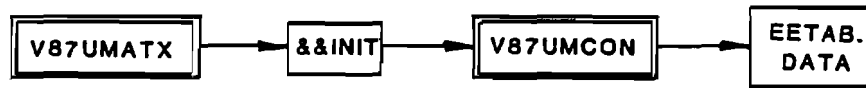


FIGURE 3

MIAMI TRANSPORTATION PLANNING MODEL FLOW CHART

TRIP GENERATION (GEN)

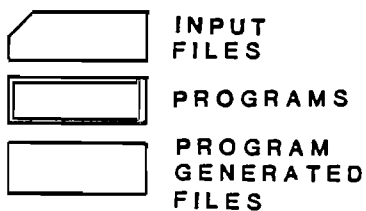
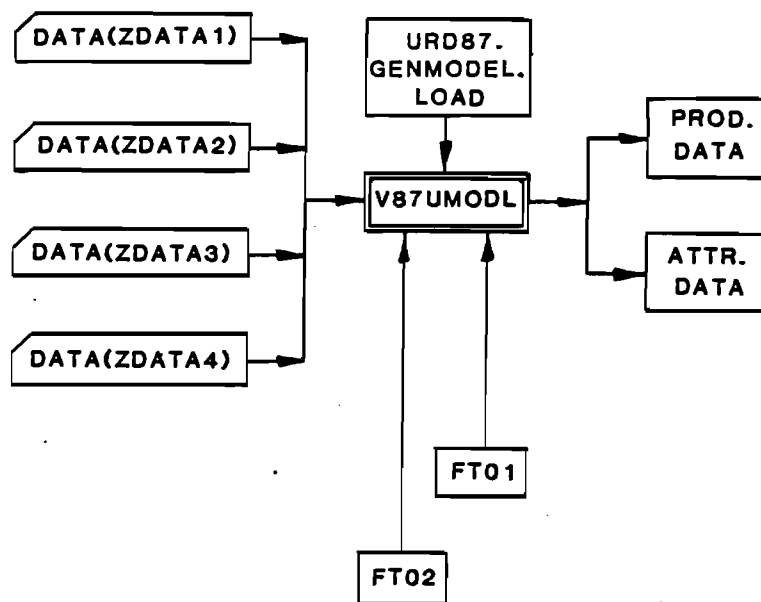


FIGURE 4
MIAMI TRANSPORTATION PLANNING MODEL
FLOW CHART

HIGHWAY NETWORK (HNET)

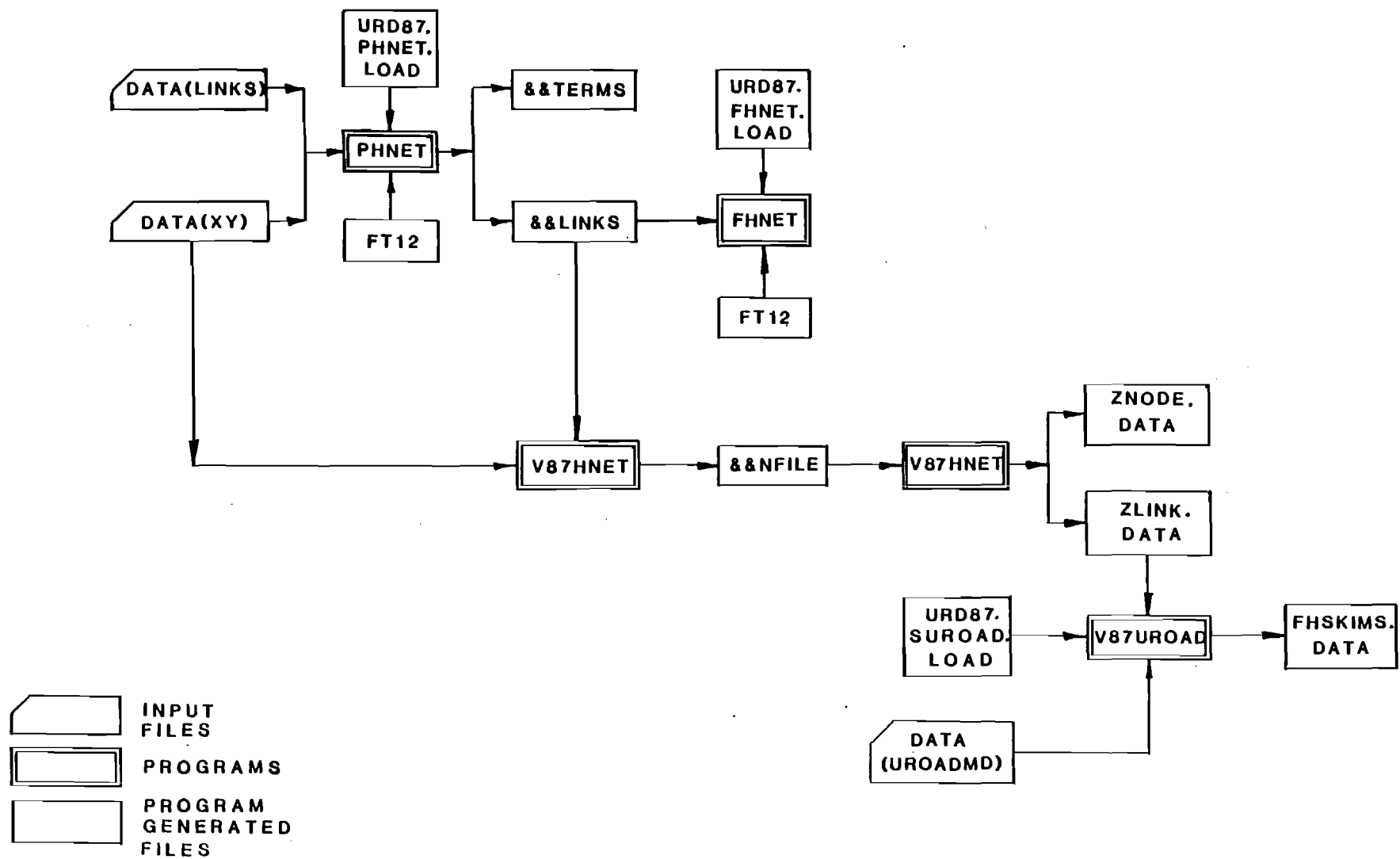


FIGURE 5
MIAMI TRANSPORTATION PLANNING MODEL
FLOW CHART
TRIP DISTRIBUTION (DISTRIB)

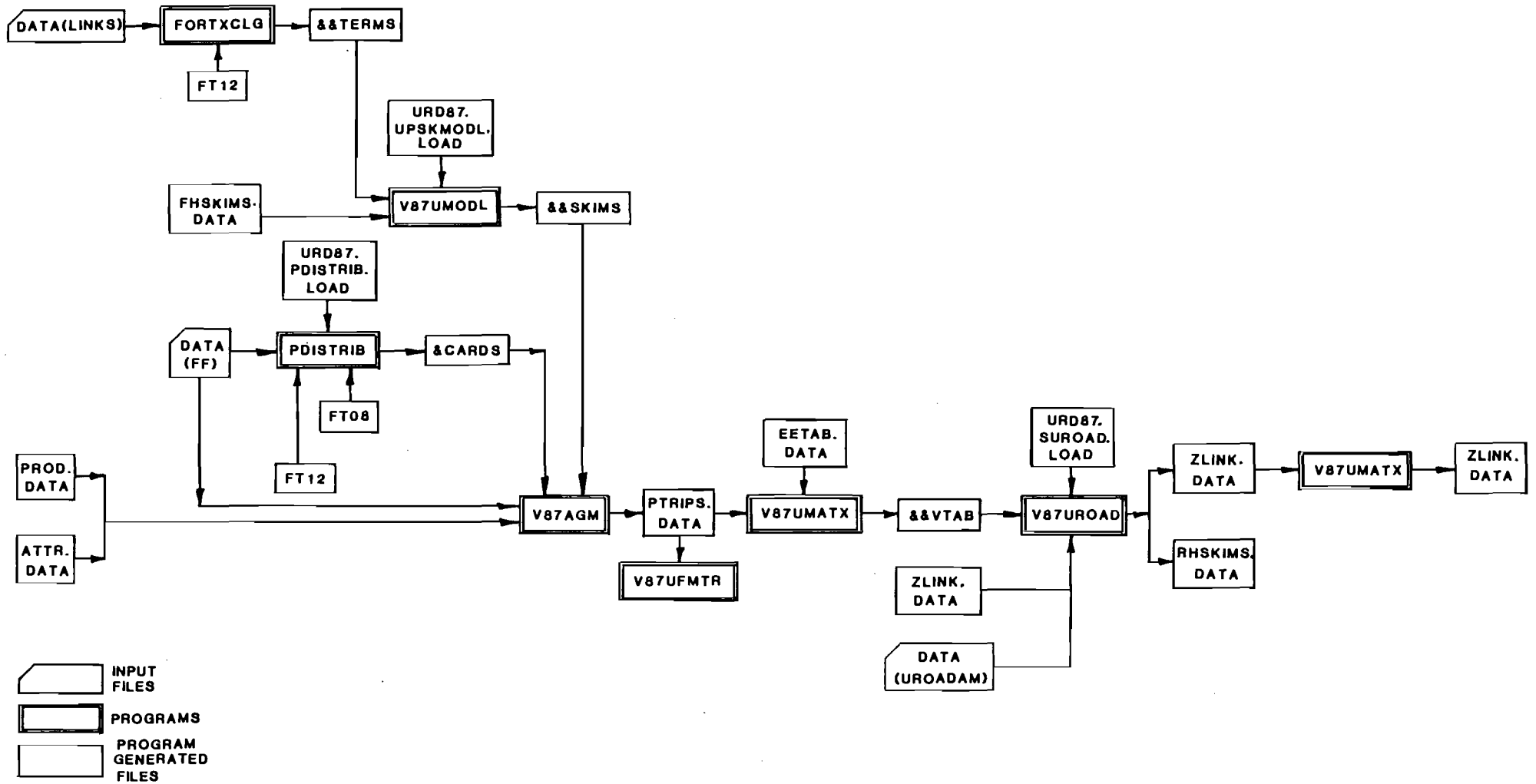


FIGURE 6

**MIAMI TRANSPORTATION PLANNING MODEL
FLOW CHART**

AUTO CONNECTOR (AUTCON)

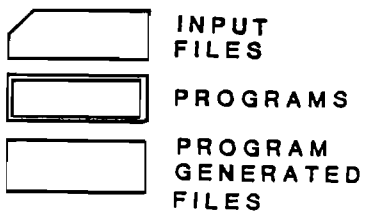
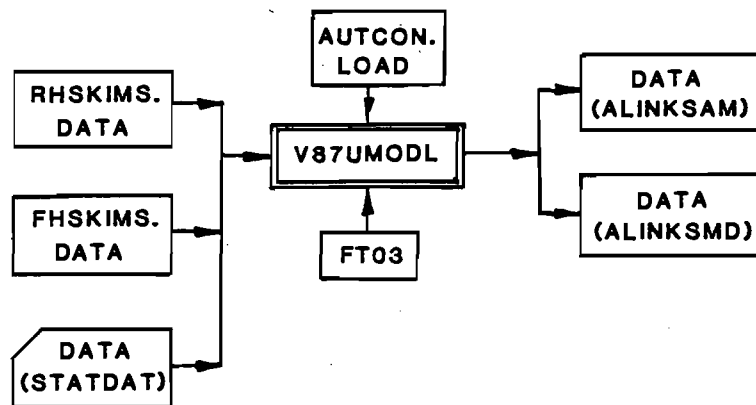


FIGURE 7

**MIAMI TRANSPORTATION PLANNING MODEL
FLOW CHART**

TRANSIT NETWORK (TNET)

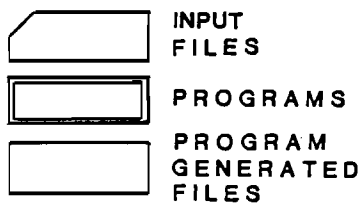
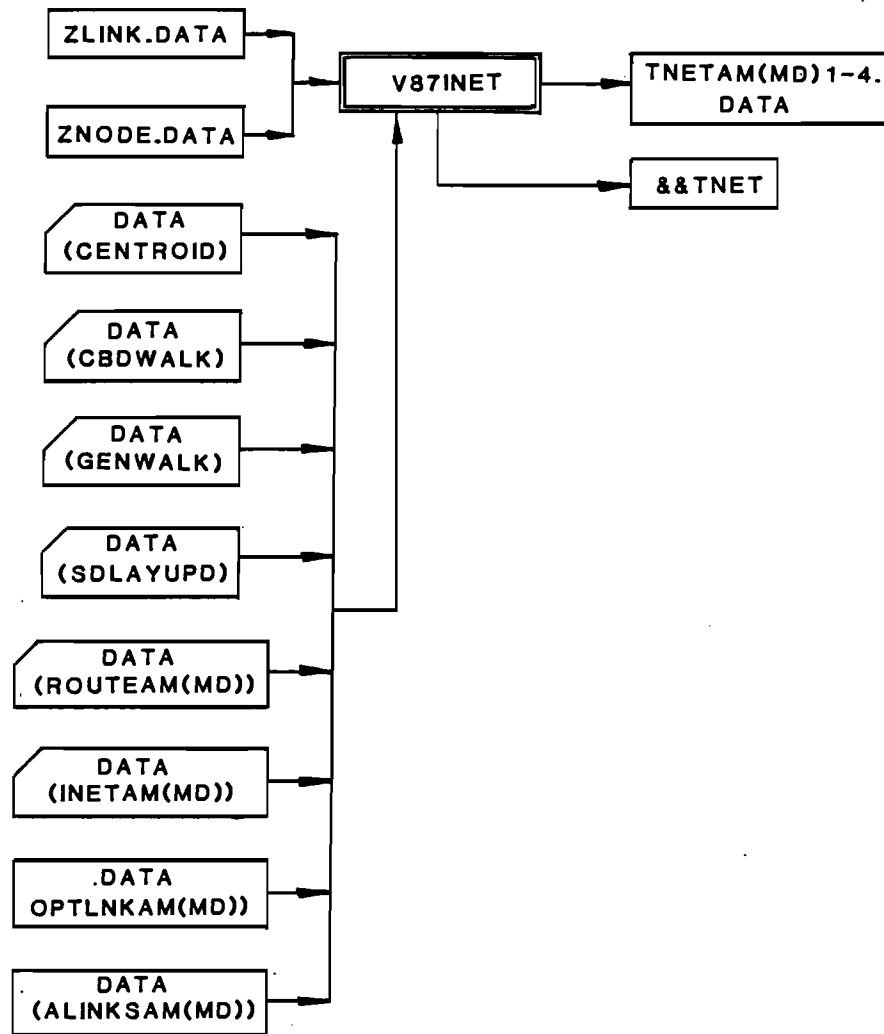


FIGURE 8

MIAMI TRANSPORTATION PLANNING MODEL FLOW CHART

TRANSIT PATH (TPATH)

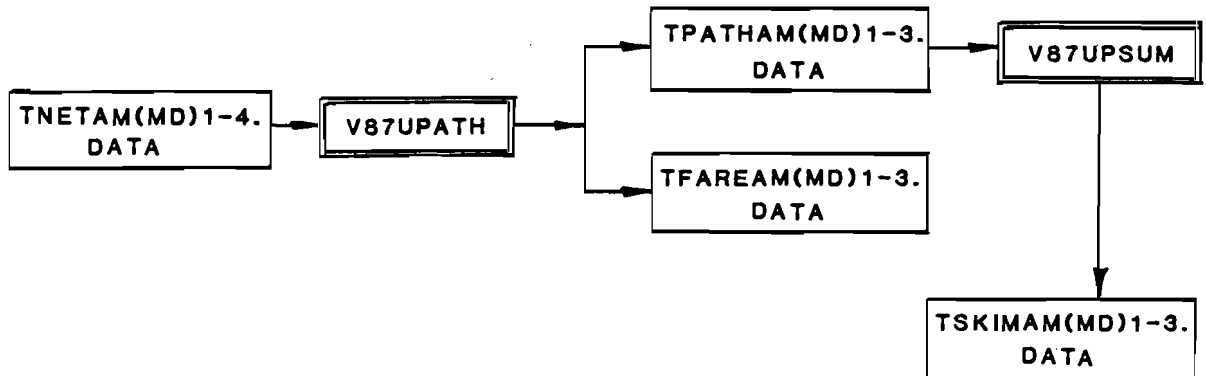


FIGURE 9

MIAMI TRANSPORTATION PLANNING MODEL FLOW CHART LEVEL OF SERVICE SUMMARY (LOSSUM)

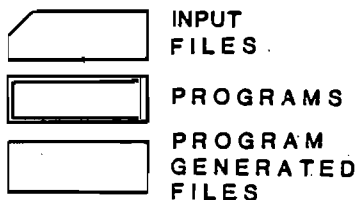
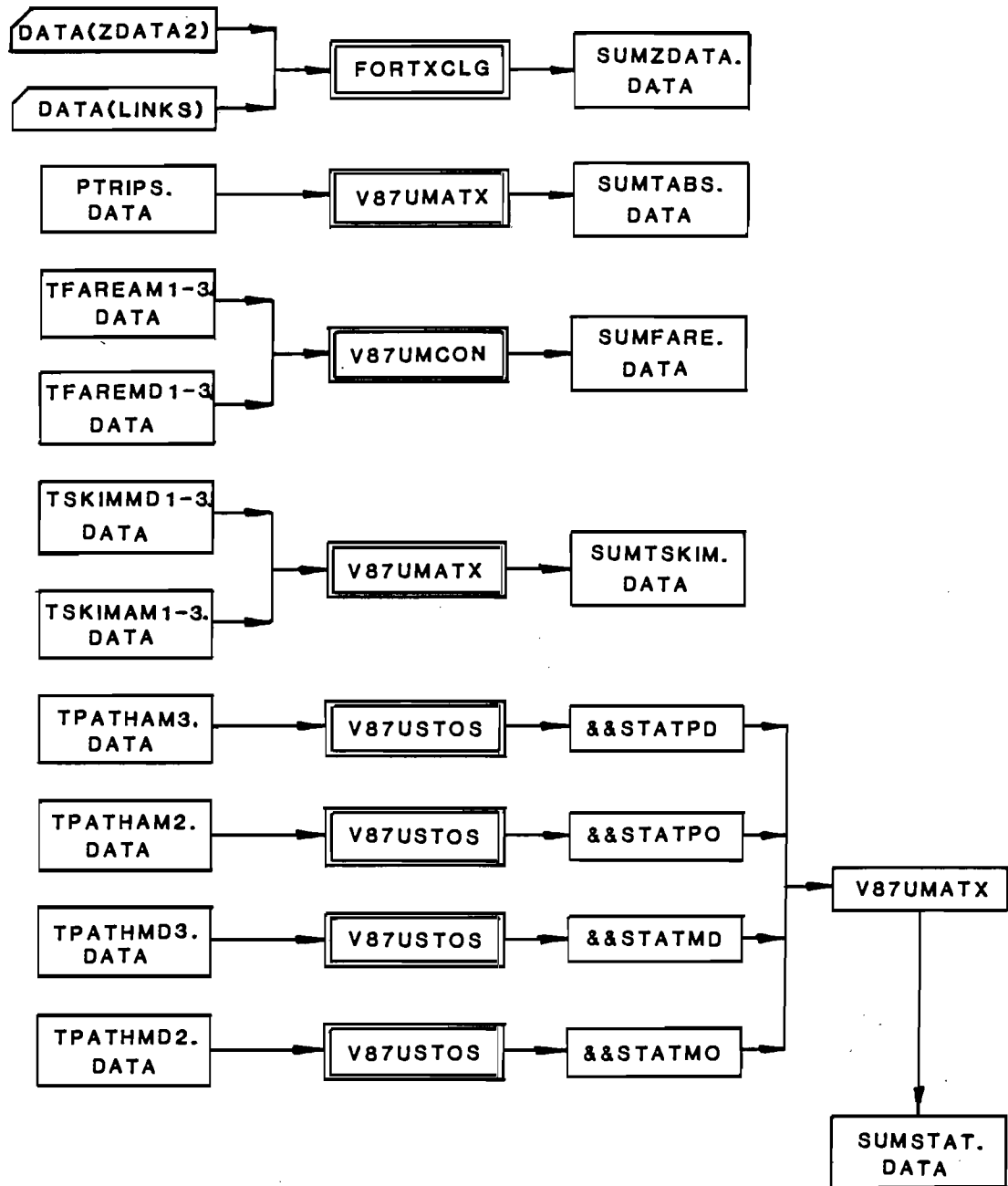


FIGURE 10

**MIAMI TRANSPORTATION PLANNING MODEL
FLOW CHART**

MODE SPLIT (MODESPLT)

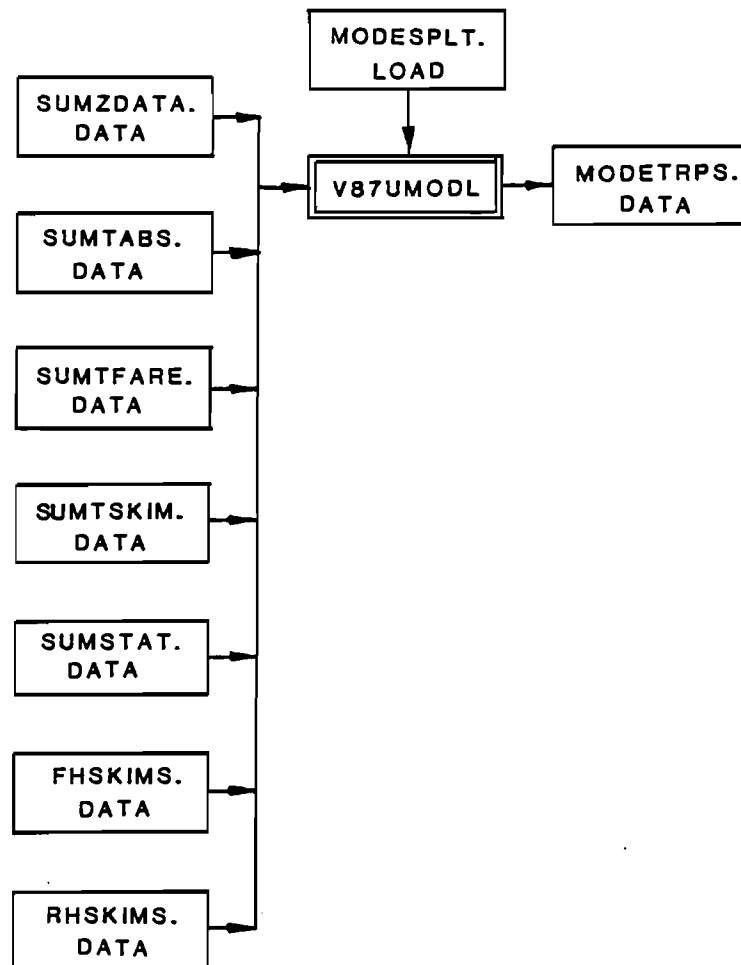
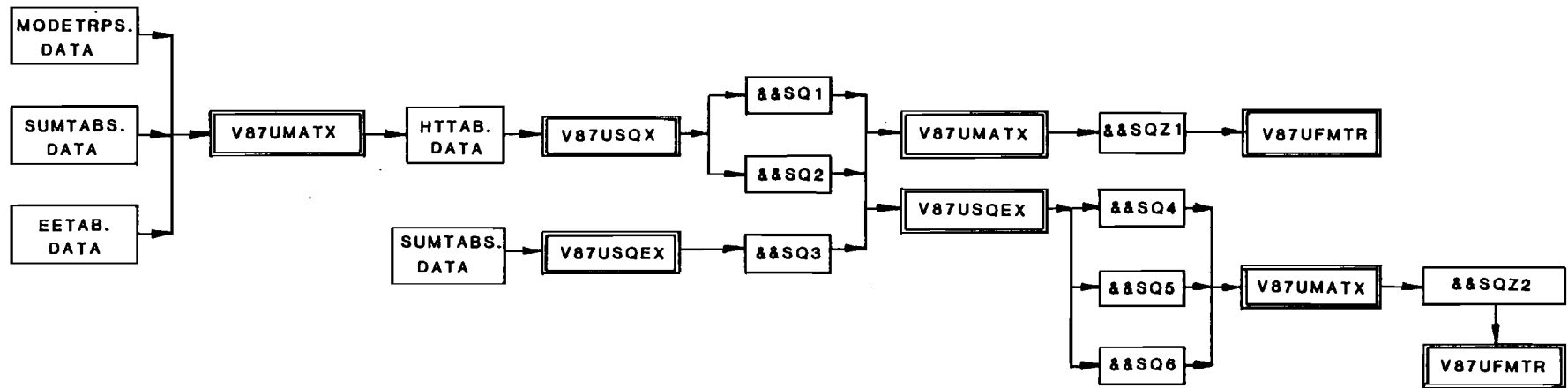


FIGURE 11

MIAMI TRANSPORTATION PLANNING MODEL
FLOW CHART
MODE SPLIT SUMMARY (MODESUM)



PROGRAMS
PROGRAM
GENERATED
FILES

FIGURE 12

**MIAMI TRANSPORTATION PLANNING MODEL
FLOW CHART**

**HIGHWAY ASSIGNMENT (HASSIGN) &
HIGHWAY EVALUATION (HEVAL)**

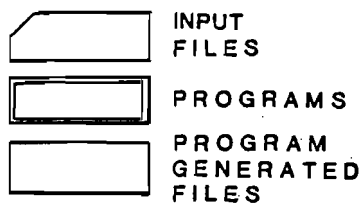
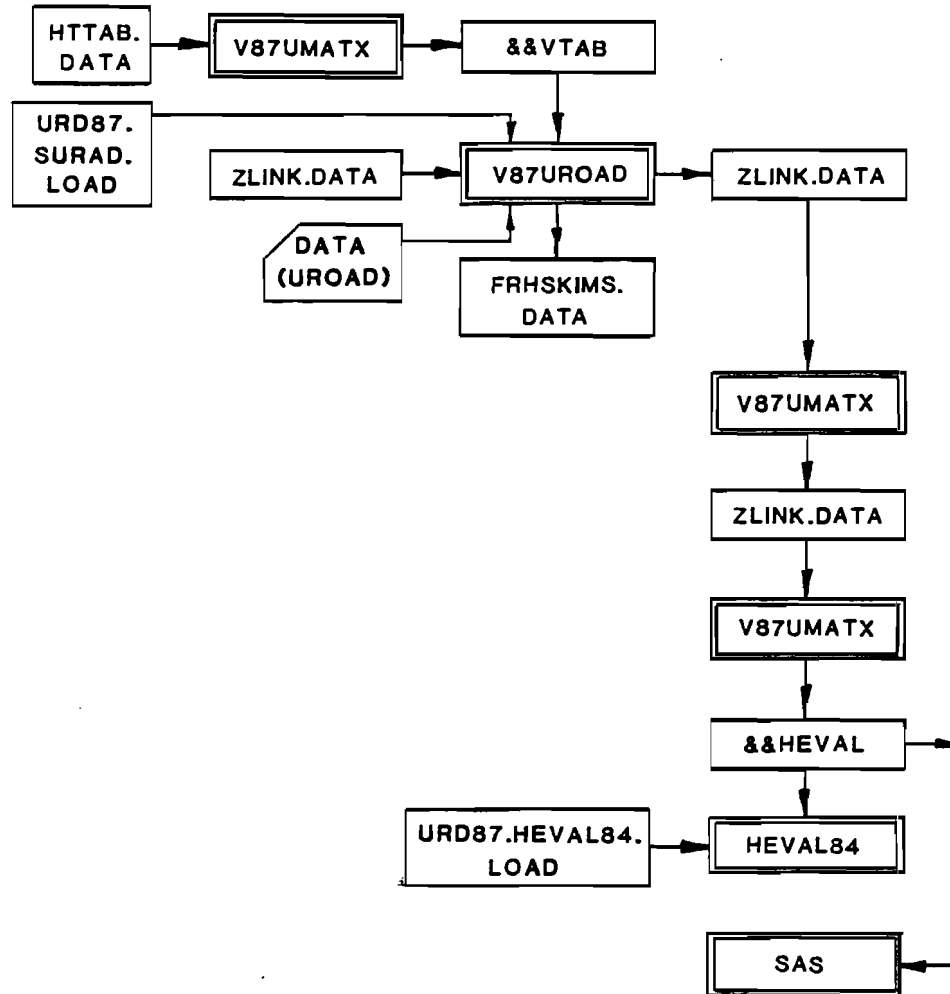


FIGURE 13
MIAMI TRANSPORTATION PLANNING MODEL
FLOW CHART
DAILY TRANSIT ASSIGNMENT-WORK TRIPS
(TASSIGN1)

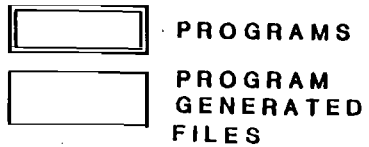
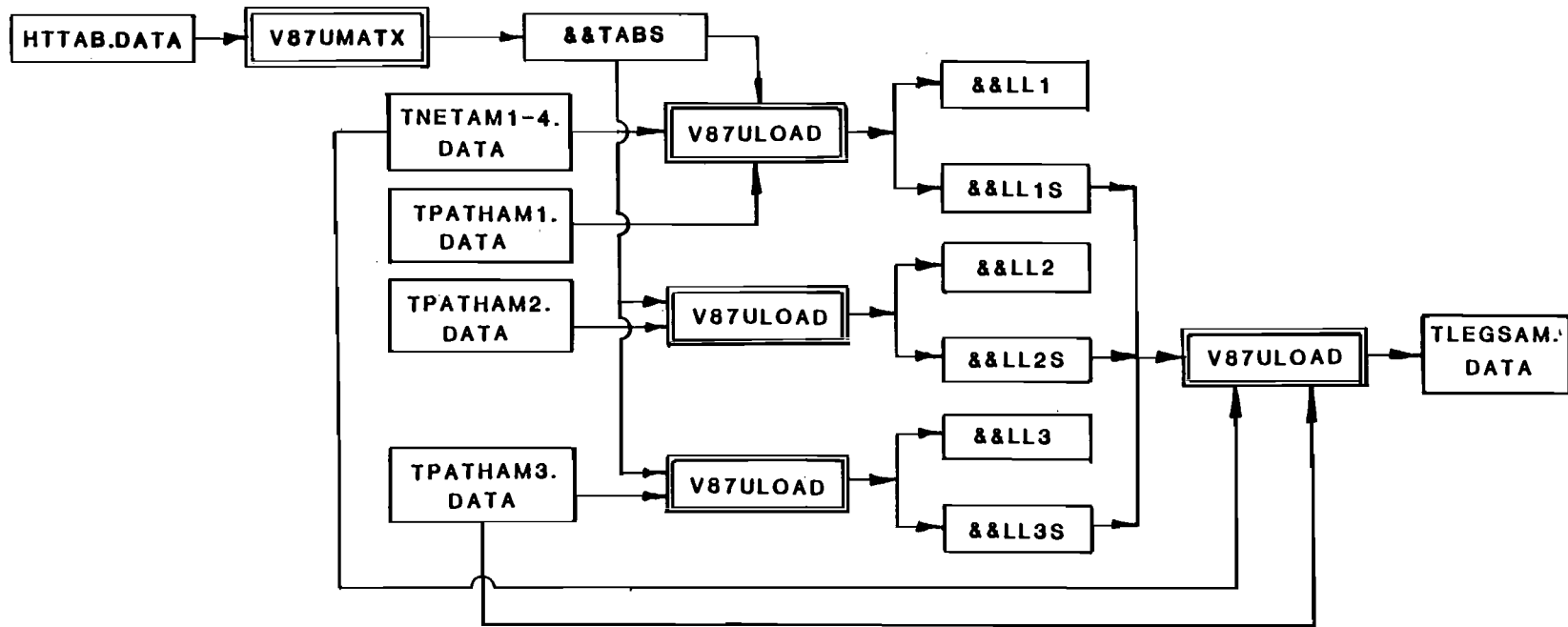
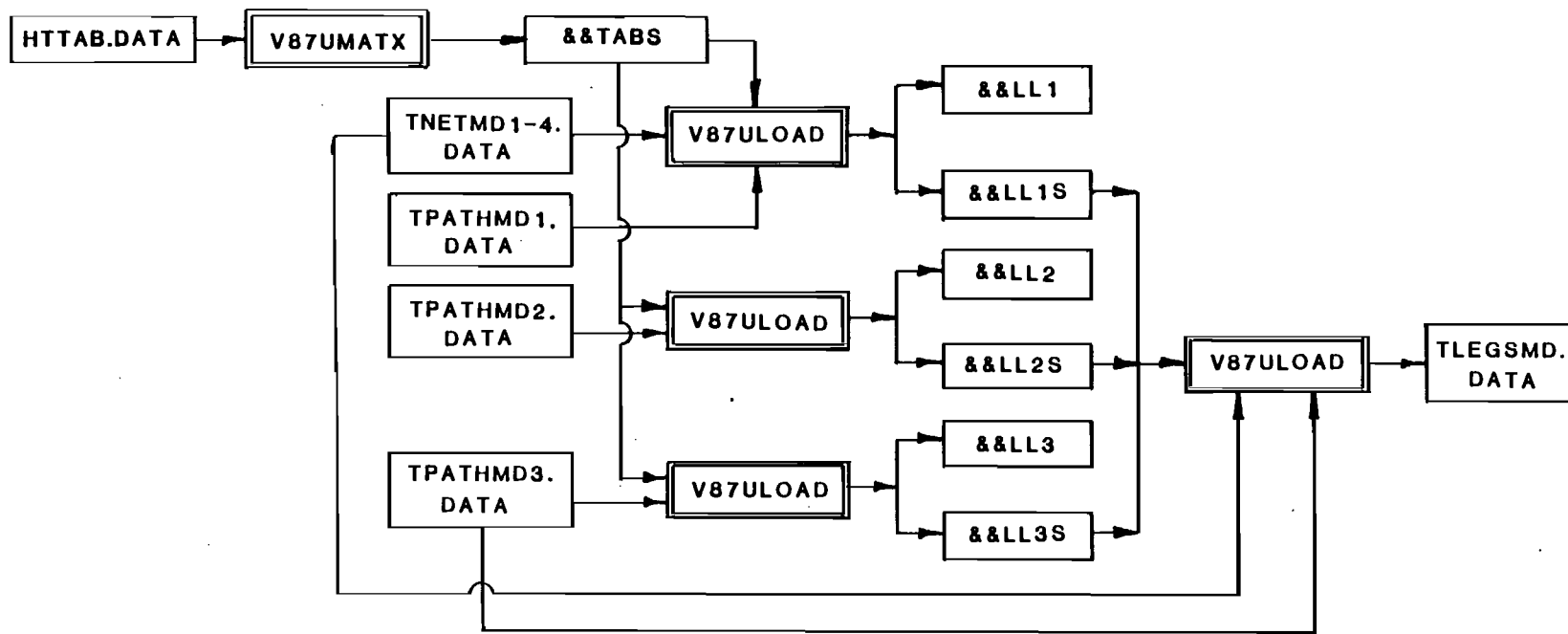


FIGURE 14
MIAMI TRANSPORTATION PLANNING MODEL
FLOW CHART
DAILY TRANSIT ASSIGNMENT-NON-WORK TRIPS
(TASSIGN2)



APPENDIX B
CONTROLS

1	EXTERNAL
2	GEN
3	HNET
4	DISTRIB
5	AUTCON
6	TNET
7	TPATH
8	LOSSUM
9	MODESPLT
10	MODESUM
11	HASSIGN
12	HEVAL1
13	HEVAL2
14	TASSIGN1
15	TASSIGN2
16	HPLTA
17	HPLTB
18	HPLTC
19	HPLTD
20	HPLTAVOL
21	HPLTBVOL
22	HPLTCVOL
23	HPLTDVOL
24	DELETE

```

//KN630MSA JOB (5532931,5500,990807415),
//  'GFCC,813-882-4366',
//  MSGLEVEL=(1,1),NOTIFY=KN630MS,REGION=2048K,
//  CLASS=A,MSGCLASS=Q,TIME=(4)
/*ROUTE PRINT DIST7
/*-----
/* DSN=KN630MS.MIY86.CNTL(EXTERNAL)
/*-----
//UMATX EXEC V87UMATX,CORE=1536K,CLASS=Q,
//  J9='DSN=&&INIT',UNITJ9='3380,VOL=SER=DSK6A8'
//UMATRIX.FT19F001 DD SPACE=(TRK,(5,10),RLSE),DISP=(NEW,PASS)
//UMATRIX.SYSIN DD *
  &PARAM SIZE=1110,
    J901.I*3.DUMDUM='0' &END
/*
/*-----
//UMCON EXEC V87UMCON,CORE=1536K,CLASS=Q,
//  J1='DSN=&&INIT',UNITJ1=3380,
//  J9='DSN=KN630MS.MIY86.EETAB.DATA',UNITJ9='3380,VOL=SER=DSK6A8'
//UMCON.FT19F001 DD SPACE=(TRK,(5,10),RLSE),DISP=(NEW,CATLG)
//UMCON.J1 DD DUMMY
//UMCON.SYSIN DD *
  &PARAM TABLES=101,ZONES=1110 &END
  &SELECT PRINT=1090,-1110 &END
  &DATA
9999
  101 101 1090 1110 10901110=      0
/*
/*-----

```

```

//KN630MSA JOB (5532931,5500,990807415),
//  'GFCC,813-882-4366',
//  MSGLEVEL=(1,1),NOTIFY=KN630MS,REGION=2048K,
//  CLASS=A,MSGCLASS=Q,TIME=(5)
/*ROUTE PRINT DIST7
/*-----
/* DSN=KN630MS.MIY86.CNTL(GEN)
/*-----
//UMODL EXEC V87UMODL,CLASS=Q,CORE=1536K,
//  LIB='URD87.GENMODL7.LOAD',
//  A1='DSN=KN630MS.MIY86.DATA(ZDATA1)',UNITA1=3380,
//  A2='DSN=KN630MS.MIY86.DATA(ZDATA2)',UNITA2=3380
//UMODEL.FT03F001 DD DISP=SHR,DSN=KN630MS.MIY86.DATA(ZDATA3)
//UMODEL.FT04F001 DD DISP=SHR,DSN=KN630MS.MIY86.DATA(ZDATA4)
//UMODEL.FT09F001 DD UNIT=3380,VOL=SER=DSK6A8,DISP=(NEW,CATLG),
//  SPACE=(TRK,(10,10),RLSE),DCB=(RECFM=FB,LRECL=80,BLKSIZE=4080),
//  DSN=KN630MS.MIY86.PROD.DATA
//UMODEL.FT10F001 DD UNIT=3380,VOL=SER=DSK6A8,DISP=(NEW,CATLG),
//  SPACE=(TRK,(10,10),RLSE),DCB=(RECFM=FB,LRECL=80,BLKSIZE=4080),
//  DSN=KN630MS.MIY86.ATTR.DATA
//UMODEL.SYSIN DD *
&PARAM ZONES=1089,DIMENS=4,LEVEL=5,3,3,4 &END
&DATA
1 P      2      4      1 1      SECTOR NUMBER
2 P      5      8      2 1      ZONE NUMBER
3 P      9     13      3 1      TOTAL SF DU'S
4 P     14     16      4 1      % VAC.& NON-PERM.DU'S (SF)
5 P     17     19      5 1      %VACANT DU'S (SF)
6 P     20     24      6 1      SF RESI. POP
7 P     25     27      7 1      % 0-AUTO DU'S (SF)
8 P     28     30      8 1      % 1-AUTO DU'S (SF)
9 P     31     33      9 1      % 2+AUTO DU'S (SF)
10 P     34     38     10 1      TOTAL MF DU'S
11 P     39     41     11 1      % VAC. & NON-PERM. DU'S (MF)
12 P     42     44     12 1      % VACANT DU'S (MF)
13 P     45     49     13 1      MF RESI. POP.
14 P     50     52     14 1      % 0-AUTO DU'S (MF)
15 P     53     55     15 1      % 1-AUTO DU'S (MF)
16 P     56     58     16 1      % 2+AUTO DU'S (MF)
17 P     59     63     17 1      TOTAL HTL/MTL UNITS
18 P     64     66     18 1      % OCCU. HTL/MTL UNITS
19 P     67     71     19 1      TOTAL HTL/MTL OCCUPANTS
20 A      9     14     20 2      INDUSTRIAL EMP.
21 A     15     20     21 2      COMMERCIAL EMPL.
22 A     21     26     22 2      SERVICE EMPL.
23 A     27     32     23 2      TOTAL EMPL.
24 A     33     38     24 2      SCHOOL ENROLLMENT
25 A     72     72     25 2      INCOME
99999
1  1.0  2.0  3.0  4.0  5.0
2  0.0  1.0  2.0
3  1.0  2.0  3.0
4  1.0  2.0  3.0  4.0
1  1    1    .45 .30 .20 .20
1  1    2    .40 .30 .30 .25
1  1    3    .25 .30 .60 .50
1  2   11.01 .80 .65 .60
1  2   21.21 .50 .65 .80
1  2    3    .25 .30 .60 .50
1  3   11.35 .90 .85 .70

```

```

1 3 21.48 .65 .75 .95
1 3 3 .25 .30 .60 .50
2 1 11.01 .35 .25 .30
2 1 2 .70 .35 .35 .45
2 1 3 .201.301.651.20
2 2 11.601.05 .851.10
2 2 21.551.251.051.20
2 2 3 .201.301.651.20
2 3 12.451.251.051.20
2 3 22.751.401.201.50
2 3 3 .201.301.651.20
3 1 11.53 .40 .30 .55
3 1 21.40 .40 .40 .70
3 1 3 .152.002.702.10
3 2 12.361.201.101.85
3 2 22.361.501.451.60
3 2 3 .152.002.702.10
3 3 13.301.451.302.20
3 3 23.201.651.652.30
3 3 3 .152.002.702.10
4 1 11.93 .45 .401.00
4 1 21.67 .45 .451.10
4 1 3 .102.503.903.30
4 2 12.721.301.352.75
4 2 22.611.651.902.10
4 2 3 .102.503.903.30
4 3 13.441.601.653.55
4 3 23.711.852.203.40
4 3 3 .102.503.903.30
5 1 12.45 .45 .451.60
5 1 21.89 .45 .551.70
5 1 3 .102.905.904.40
5 2 13.221.301.703.95
5 2 22.881.702.653.00
5 2 3 .102.905.904.40
5 3 14.251.702.105.35
5 3 24.181.953.054.65
5 3 3 .102.905.904.40
/*
//UMODEL.FT01F001 DD *
ZDAT1=KN63OMS.MIY86.DATA(ZDATA1)
ZDAT2=KN63OMS.MIY86.DATA(ZDATA2)
ZDAT3=KN63OMS.MIY86.DATA(ZDATA3)
ZDAT4=KN63OMS.MIY86.DATA(ZDATA4)
PROD=KN63OMS.MIY86.PROD.DATA
ATTR=KN63OMS.MIY86.ATTR.DATA
/*
//UMODEL.FT02F001 DD *
.89 .11 .00 .00 .00
.76 .22 .02 .00 .00
.59 .34 .05 .01 .01
.45 .42 .07 .03 .03
.32 .50 .09 .05 .04
.28 .44 .13 .08 .07
.22 .40 .17 .11 .10
.18 .37 .18 .13 .14
.13 .34 .18 .16 .19
.12 .29 .18 .17 .24
.08 .24 .20 .20 .28
.05 .20 .19 .23 .33

```

.04	.16	.17	.24	.39
.02	.15	.14	.21	.48
.01	.15	.13	.17	.54
.00	.05	.07	.14	.74
.00	.00	.02	.05	.93

/*

//*-----

```

//KN630MSA JOB (5532931,5500,990807415),
//  'GFCC,813,882-4366',
//  MSGLEVEL=(1,1),NOTIFY=KN630MS,REGION=2048K,
//  CLASS=A,MSGCLASS=Q,TIME=(15)
/*ROUTE PRINT DIST7
/*-----
/* DSN=KN630MS.MIY86.CNTL(HNET)
/*-----
//PHNET EXEC PGM=PHNET
//STEPLIB DD DISP=SHR,DSN=URD87.PHNET.LOAD
//GO.FT06F001 DD SYSOUT=Q
//GO.FT10F001 DD DISP=SHR,DSN=KN630MS.MIY86.DATA(XY)
//GO.FT11F001 DD DISP=SHR,DSN=KN630MS.MIY86.DATA(LINKS)
//GO.FT18F001 DD UNIT=3380,VOL=SER=DSK6A8,DISP=(NEW,PASS),DSN=&&TERMS,
//  DCB=(RECFM=FB,LRECL=80,BLKSIZE=4080),SPACE=(TRK,(10,10),RLSE)
//GO.FT19F001 DD UNIT=3380,VOL=SER=DSK6A8,DISP=(NEW,PASS),DSN=&&LINKS,
//  DCB=(RECFM=FB,LRECL=80,BLKSIZE=4080),SPACE=(TRK,(30,10),RLSE)
//GO.FT12F001 DD *
ZONES=1110.                                <---- TOTAL NO. OF ZONES
LINKS=KN630MS.MIY86.DATA(LINKS)
XY=KN630MS.MIY86.DATA(XY)
SPDCP=KN630MS.MIY86.DATA(SPDCP)
ZLINK=KN630MS.MIY86.ZLINK.DATA
ZNODE=KN630MS.MIY86.ZNODE.DATA
HSKIM=KN630MS.MIY86.FHSKIMS.DATA
UNITS=100.00                               <---- SCALE FACTOR
TERMINAL TIME 1 =5.
TERMINAL TIME 2 =2.
TERMINAL TIME 3 =1.
TERMINAL TIME 4 =3.
TERMINAL TIME 5 =1.
/*
/*-----
//FHNET EXEC PGM=FHNET
//STEPLIB DD DISP=SHR,DSN=URD87.FHNET.LOAD
//GO.FT06F001 DD SYSOUT=Q
//GO.FT10F001 DD UNIT=3380,DISP=(OLD,PASS),DSN=&&LINKS
//GO.FT12F001 DD *
DADE                                <---- STUDY AREA
86                                <---- YEAR ALTERNATE
TERMINAL TIME 1 =5.
TERMINAL TIME 2 =2.
TERMINAL TIME 3 =1.
TERMINAL TIME 4 =3.
TERMINAL TIME 5 =1.
/*
/*-----
//HNET1 EXEC V87HNET,CLASS=Q,CORE=400K,
//  N1='DSN=&&NFILE',DISPN1='(NEW,PASS,DELETE)',
//  UNITN1='3380,VOL=SER=DSK6A8',SPACEN1='(TRK,100)',
//  UNITSCR='3380,VOL=SER=DSK6A8',SPACES2='(CYL,5)'
//HNET.NODES DD DISP=SHR,DSN=KN630MS.MIY86.DATA(XY)
//HNET.LINKS DD DSN=&&LINKS,DISP=(OLD,DELETE)
//SYSIN DD *
  &PARAM NODES=7014,ZONES=1110 &END
  &SELECT GL=1,99,Z=1,9999,REPORT=14 &END
/*
/*-----
//HNET2 EXEC V87HNET,CLASS=Q,CORE=400K,
//  N1='DSN=&&NFILE',UNITN1=3380,DISPN1='(OLD,DELETE)',

```

```

//  UNITSCR='3380,VOL=SER=DSK6A8',
//  Z1='DSN=KN63OMS.MIY86.ZLINK.DATA',
//  UNITZ1='3380,VOL=SER=DSK6A8',
//  SPACEZ1='(TRK,100)',DISPZ1='(NEW,CATLG)',
//  Z2='DSN=KN63OMS.MIY86.ZNODE.DATA',
//  UNITZ2='3380,VOL=SER=DSK6A8',
//  SPACEZ2='(TRK,5)',DISPZ2='(NEW,CATLG)'
//SYSIN DD *
&SELECT LZLAWS='DC','D','AT','FT','UC','NL','FFT','FFS','C',
          'A','B','LG','GL','CC','TC','OS','OT','OV','BAMAP',
          REPORT=14,16,19 &END

&DATA
1 1 1 1 1 9 1350 30.0 2 2 1 1 1 9 1900 30.0 3 3 1 1 1 9 1900 40.0
4 4 1 1 1 9 1900 40.0 5 5 1 1 1 9 1900 45.0
1 1 2 2 1 9 750 30.0 2 2 2 2 1 9 700 30.0 3 3 2 2 2 9 875 35.0
4 4 2 2 3 9 675 35.0 5 5 2 2 1 9 725 40.0 3 3 2 2 1 1 1000 40.0
4 4 2 2 1 2 750 40.0
1 1 3 3 5 9 420 25.0 2 2 3 3 1 9 460 25.0 3 3 3 3 3 9 700 30.0
1 1 3 3 1 4 460 30.0 4 4 3 3 3 9 650 30.0 3 3 3 3 1 2 800 35.0
5 5 3 3 1 9 700 35.0 4 4 3 3 1 2 800 35.0
1 1 4 4 3 9 300 20.0 2 2 4 4 1 9 450 20.0 3 3 4 4 1 9 700 30.0
1 1 4 4 1 2 350 25.0 5 5 4 4 1 9 600 30.0
4 4 4 4 2 9 550 30.0 4 4 4 4 1 1 600 35.0
1 1 5 5 1 9 10000 10.0 2 2 5 5 1 9 10000 15.0 3 3 5 5 1 9 10000 15.0
4 4 5 5 1 9 10000 15.0 5 5 5 5 1 9 10000 15.0
1 1 6 6 1 9 700 25.0 2 2 6 6 1 9 700 35.0 3 3 6 6 1 9 800 35.0
4 4 6 6 1 9 800 35.0 5 5 6 6 1 9 800 35.0
1 5 1 6 1 9* 1.0* 0.9
/*
/*-----
//UROAD EXEC V87UROAD,CLASS=Q,CORE=1024K,
// LIB='URD87.SUROAD.LOAD',
// J9='DSN=KN63OMS.MIY86.FHSKIMS.DATA',
// UNITJ9='3380,VOL=SER=DSK6A8,SPACE=(CYL,(7,3),RLSE)',
// Z1='DSN=KN63OMS.MIY86.ZLINK.DATA',UNITZ1=3380
//UROAD.FT05F001 DD DSN=KN63OMS.MIY86.DATA(UROADMD),DISP=SHR
//UROAD.FT19F001 DD DISP=(NEW,CATLG)
/*
/*-----

```



```

//KN630MSA JOB (5532931,5500,990807415),
// 'GFCC,813-882-4366',
// MSGLEVEL=(1,1),NOTIFY=KN630MS,REGION=2048K,
// CLASS=A,MSGCLASS=Q,TIME=(120)
/*ROUTE PRINT DIST7
/*-----
/* DSN=KN630MS.MIY86.CNTL(DISTRIB)
/*-----
//FORT EXEC FORTXCLG
//FORT.SYSPRINT DD DUMMY
//FORT.SYSTERM DD DUMMY
//FORT.SYSIN DD *
        INTEGER ANODE,AT/0/,TERM(5)/5*0/,ZONES/0/,ZONE/0/
        REAL*4 RZONES/0./,RTERM(5)/5*0./
C
C READ RUN-SPECIFIC PARAMETERS
C
        READ(12,13) RZONES,(RTERM(I),I=1,5)
        13 FORMAT(T7,F4.0,5(/T18,F2.0))
        DO 19 I = 1,5
            TERM(I) = RTERM(I)
        19 CONTINUE
        ZONES = RZONES
C
C READ LINK RECORD
C
        3 READ(11,4,END=997) ANODE,AT
        4 FORMAT(2X,I5,12X,I1,52X)
C
C ESTABLISH TERMINAL TIME FOR EACH ZONE
C
        IF (ANODE.GT.ZONES) GO TO 3
        IF (ANODE.EQ.ZONE) GO TO 3
        ZONE = ANODE
        WRITE(18,11) ZONE,TERM(AT)
        11 FORMAT(T5,I4,T10,I3)
        GO TO 3
        997 STOP
        END
//LKED.SYSPRINT DD DUMMY
//GO.FT06F001 DD SYSOUT=Q
//GO.FT11F001 DD DISP=SHR,DSN=KN630MS.MIY86.DATA(LINKS)
//GO.FT18F001 DD UNIT=DASD,DISP=(NEW,PASS),DSN=&&TERMS,
// DCB=(RECFM=FB,LRECL=80,BLKSIZE=3600),SPACE=(TRK,(10,10),RLSE)
//GO.FT12F001 DD *
ZONES=1110.
TERMINAL TIME 1 =5.
TERMINAL TIME 2 =2.
TERMINAL TIME 3 =1.
TERMINAL TIME 4 =3.
TERMINAL TIME 5 =1.
/*
/*-----
//UMODL EXEC V87UMODL,CLASS=Q,CORE=1536K,
// LIB='URD87.UPSKMODL.LOAD',
// J1='DSN=KN630MS.MIY86.FHSKIMS.DATA',UNITJ1=3380,
// A1='DSN=&&TERMS',UNITA1=3380,
// J9='DSN=&&SKIMS',
// UNITJ9='DASD,SPACE=(CYL,(7,3),RLSE)'
//UMODEL.FT19F001 DD DISP=(NEW,PASS)

```

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//KN630MSA JOB (5532931,5500,990801647),
//      'GFCC,813-882-4366',
//      MSGLEVEL=(1,1),NOTIFY=KN630MS,REGION=600K,
//      CLASS=A,MSGCLASS=Q,TIME=(120)
/*ROUTE PRINT DIST6
//*JOBPARM FORMS=4366
//*-----
//*      DSN=KN630MS.MIY86.CNTL(TPATH)
//*-----
//TRNPATH1 EXEC V87UPATH,CLASS=Q,CORE=600K,
// NET1='DSN=KN630MS.MIY86.TNETAM1.DATA',
// NET2='DSN=KN630MS.MIY86.TNETAM2.DATA',
// NET3='DSN=KN630MS.MIY86.TNETAM3.DATA',
// NET4='DSN=KN630MS.MIY86.TNETAM4.DATA',
// PATH='DSN=KN630MS.MIY86.TPATHAM1.DATA',
// J1='DSN=KN630MS.MIY86.TFAREAM1.DATA',
// UNITPAT='3380,VOL=SER=DSK6A8',
// UNITJ1='3380,VOL=SER=DSK6A8'
//UPATH.SYSIN DD *
&PARAM XFERS=4,
      CTTIME(1)=2.5,
      CTTIME(4)=1.0,
      CTTIME(8)=1.0,
      CWTIME(4)=1.5,
      CWTIME(8)=1.5,
      CXTIME(4)=5.0,
      CXTIME(8)=5.0,
      WMAX(4)=20.0,WMIN(4)=2.0,
      WMAX(8)=20.0,
      XMAX(4)=30.0,XMIN(4)=2.0,
      XMAX(8)=30.0,
      WADD(8)=1.0,XADD(8)=1.0,
      XFARE(1,4)=75,XFARE(1,8)=25,
      XFARE(4,8)=25,XFARE(8,4)=75,
      XFARE(4,4)=25,XFARE(8,8)=00 &END
&SELECT  REPORT=5,6,7,I=1,-1110,
      DELETE=2,5,6,FARE='AM.FARE1' &END
/*
//*-----
//TRNSKM1 EXEC V87UPSUM,CLASS=Q,CORE=600K,
// PATH='DSN=KN630MS.MIY86.TPATHAM1.DATA',UNITPAT=3380,
// J1='DSN=KN630MS.MIY86.TSKIMAM1.DATA',
// UNITJ1='3380,VOL=SER=DSK6A8'
//UPSUM.SYSIN DD *
&PARAM TABOUT=12,
      TRUN(1)=1,NAME1='WALK',
      TRUN(2)=2,NAME2='NOT USED',
      TRUN(3)=3,NAME3='NOT USED',
      TRUN(4)=4,NAME4='IN-LOCAL',
      TRUN(5)=5,NAME5='NOT USED',
      TRUN(6)=6,NAME6='NOT USED',
      TRUN(7)=7,NAME7='NOT USED',
      TRUN(8)=8,NAME8='IN-DPM',
      TXFERS=9,NAME9='TRANSFERS',
      TWAIT(1)=10,NAME10='IWAIT',
      TWAIT(2)=11,NAME11='XWAIT',
      TTIME=12,NAME12='TOT WTD' &END
/*
//*-----
//TRNPATH2 EXEC V87UPATH,CLASS=Q,CORE=600K,

```

```

// NET1='DSN=KN63OMS.MIY86.TNETAM1.DATA',
// NET2='DSN=KN63OMS.MIY86.TNETAM2.DATA',
// NET3='DSN=KN63OMS.MIY86.TNETAM3.DATA',
// NET4='DSN=KN63OMS.MIY86.TNETAM4.DATA',
// PATH='DSN=KN63OMS.MIY86.TPATHAM2.DATA',
// J1='DSN=KN63OMS.MIY86.TFAREAM2.DATA',
// UNITPAT='3380,VOL=SER=DSK6A8',
// UNITJ1='3380,VOL=SER=DSK6A8'
//UPATH.SYSIN DD *
&PARAM XFERS=4,
    CTIME(1)=2.5,
    CTIME(4)=2.5,CTIME(5)=0.1,CTIME(6)=0.1,CTIME(8)=2.5,
    CWTIME(4)=1.5,CWTIME(5)=1.5,CWTIME(6)=1.5,CWTIME(8)=1.5,
    CXTIME(4)=5.0,CXTIME(5)=5.0,CXTIME(6)=5.0,CXTIME(8)=5.0,
        CTIME(7)=0.1,
        CWTIME(7)=1.5,
        CXTIME(7)=5.0,
    WMAX(4)=20.0,WMIN(4)=2.0,
    XMAX(4)=30.0,XMIN(4)=2.0,
    WMAX(5)=20.0,WMAX(7)=20.0,
    XMAX(5)=30.0,XMAX(7)=30.0,
    WMAX(6)=20.0,WMIN(6)=2.0,
    XMAX(6)=30.0,XMIN(6)=2.0,
    WMAX(8)=20.0,
    XMAX(8)=30.0,
    WADD(5)=1.0,XADD(5)=1.0,
    WADD(7)=1.0,XADD(7)=1.0,
    WADD(8)=1.0,XADD(8)=1.0,
    XFARE(1,4)=75,XFARE(1,5)=100,XFARE(1,6)=100,XFARE(1,8)=25,
    XFARE(4,4)=25,XFARE(4,5)= 25,XFARE(4,6)= 50,XFARE(4,8)=25,
    XFARE(5,4)=00,XFARE(5,5)= 00,XFARE(5,6)= 25,XFARE(5,8)=00,
    XFARE(7,4)=00,XFARE(7,5)= 00,XFARE(7,6)= 25,XFARE(7,8)=00,
    XFARE(6,4)=25,XFARE(6,5)= 25,XFARE(6,6)= 25,XFARE(6,8)=25,
    XFARE(8,4)=75,XFARE(8,5)= 75,XFARE(8,6)=100,XFARE(8,8)=00,
        XFARE(1,7)=100,
        XFARE(4,7)= 25,
        XFARE(5,7)= 00,
        XFARE(7,7)= 00,
        XFARE(6,7)= 25,
        XFARE(8,7)= 75 &END
&OPTION NOX(8,6)=T &END
&SELECT REPORT=5,6,7,I=1,-1110,
    DELETE=2,FARE='AM.FARE2' &END
/*
//*-----
//TRNSKIM2 EXEC V87UPSUM,CLASS=Q,CORE=600K,
// PATH='DSN=KN63OMS.MIY86.TPATHAM2.DATA',UNITPAT=3380,
// J1='DSN=KN63OMS.MIY86.TSKIMAM2.DATA',
// UNITJ1='3380,VOL=SER=DSK6A8'
//UPSUM.SYSIN DD *
&PARAM TABOUT=12,
    TRUN(1)=1,NAME1='WALK',
    TRUN(2)=2,NAME2='NOT USED',
    TRUN(3)=3,NAME3='NOT USED',
    TRUN(4)=4,NAME4='IN-LOCAL',
    TRUN(5)=5,NAME5='IN-MRAIL',
    TRUN(6)=6,NAME6='IN-EXPRS',
    TRUN(7)=7,NAME7='IN-CRAIL',
    TRUN(8)=8,NAME8='IN-DPM',
    TXFERS=9,NAME9='TRANSFERS',

```

```

        TWAIT(1)=10,NAME10='IWAIT',
        TWAIT(2)=11,NAME11='XWAIT',
        TTIME=12,NAME12='TOT WTD' &END

/*
//*-----
//TRNPATH3 EXEC V87UPATH,CLASS=Q,CORE=600K,
// NET1='DSN=KN630MS.MIY86.TNETAM1.DATA',
// NET2='DSN=KN630MS.MIY86.TNETAM2.DATA',
// NET3='DSN=KN630MS.MIY86.TNETAM3.DATA',
// NET4='DSN=KN630MS.MIY86.TNETAM4.DATA',
// PATH='DSN=KN630MS.MIY86.TPATHAM3.DATA',
// J1='DSN=KN630MS.MIY86.TFAREAM3.DATA',
// UNITPAT='3380,VOL=SER=DSK6A8',
// UNITJ1='3380,VOL=SER=DSK6A8'
//UPATH.SYSIN DD *
&PARAM XFERS=4,
        CTTIME(1)=2.5,CTTIME(2)=0.1,
        CTTIME(4)=2.5,CTTIME(5)=0.1,CTTIME(6)=0.1,CTTIME(8)=2.5,
        CWTIME(4)=1.5,CWTIME(5)=1.5,CWTIME(6)=1.5,CWTIME(8)=1.5,
        CXTIME(4)=5.0,CXTIME(5)=5.0,CXTIME(6)=5.0,CXTIME(8)=5.0,
                CTTIME(7)=0.1,
                CWTIME(7)=1.5,
                CXTIME(7)=5.0,
        WMAX(4)=20.0,WMIN(4)=2.0,
        XMAX(4)=30.0,XMIN(4)=2.0,
        WMAX(5)=20.0,WMAX(7)=20.0,
        XMAX(5)=30.0,XMAX(7)=30.0,
        WMAX(6)=20.0,WMIN(6)=2.0,
        XMAX(6)=30.0,XMIN(6)=2.0,
        WMAX(8)=20.0,
        XMAX(8)=30.0,
        WADD(5)=1.0,XADD(5)=1.0,
        WADD(7)=1.0,XADD(7)=1.0,
        WADD(8)=1.0,XADD(8)=1.0,
                XFARE(2,5)=100,XFARE(2,6)=100,
        XFARE(4,4)=25,XFARE(4,5)= 25,XFARE(4,6)= 50,XFARE(4,8)=25,
        XFARE(5,4)=00,XFARE(5,5)= 00,XFARE(5,6)= 25,XFARE(5,8)=00,
        XFARE(7,4)=00,XFARE(7,5)= 00,XFARE(7,6)= 25,XFARE(7,8)=00,
        XFARE(6,4)=25,XFARE(6,5)= 25,XFARE(6,6)= 25,XFARE(6,8)=25,
        XFARE(8,4)=75,XFARE(8,5)= 75,XFARE(8,6)=100,XFARE(8,8)=00,
                XFARE(2,7)=100,
        XFARE(4,4)=25,XFARE(4,7)= 25,
        XFARE(5,4)=00,XFARE(5,7)= 00,
        XFARE(7,4)=00,XFARE(7,7)= 00,
        XFARE(6,4)=25,XFARE(6,7)= 25,
        XFARE(8,4)=75,XFARE(8,7)= 75 &END
&OPTION NOX(1,4)=T,NOX(1,5)=T,NOX(1,7)=T,NOX(1,6)=T,NOX(1,8)=T,
        NOX(8,6)=T &END
&SELECT REPORT=5,6,7,I=1,-1110,
        FARE='AM.FARE3' &END

/*
//*-----
//TRNSKIM3 EXEC V87UPSUM,CLASS=Q,CORE=600K,
// PATH='DSN=KN630MS.MIY86.TPATHAM3.DATA',UNITPAT=3380,
// J1='DSN=KN630MS.MIY86.TSKIMAM3.DATA',UNITJ1='3380,VOL=SER=DSK6A8'
//UPSUM.SYSIN DD *
&PARAM TABOUT=12,
        TRUN(1)=1,NAME1='WALK',
        TRUN(2)=2,NAME2='AUTO ACC',
        TRUN(3)=3,NAME3='NOT USED',

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```

        TRUN(4)=4,NAME4='IN-LOCAL',
        TRUN(5)=5,NAME5='IN-MRAIL',
        TRUN(6)=6,NAME6='IN-EXPRS',
        TRUN(7)=7,NAME7='IN-CRAIL',
        TRUN(8)=8,NAME8='IN-DPM',
        TXFERS=9,NAME9='TRANSFERS',
        TWAIT(1)=10,NAME10='IWAIT',
        TWAIT(2)=11,NAME11='XWAIT',
        TTIME=12,NAME12='TOT WTD' &END
/*
/**-----
//TRNPATH4 EXEC V87UPATH,CLASS=Q,CORE=600K,
// NET1='DSN=KN630MS.MIY86.TNETMD1.DATA',
// NET2='DSN=KN630MS.MIY86.TNETMD2.DATA',
// NET3='DSN=KN630MS.MIY86.TNETMD3.DATA',
// NET4='DSN=KN630MS.MIY86.TNETMD4.DATA',
// PATH='DSN=KN630MS.MIY86.TPATHMD1.DATA',
// J1='DSN=KN630MS.MIY86.TFAREMD1.DATA',
// UNITPAT='3380,VOL=SER=DSK6A8',
// UNITJ1='3380,VOL=SER=DSK6A8'
//UPATH.SYSIN DD *
&PARAM XFERS=4,
        CTIME(1)=2.5,
        CTIME(4)=1.0,
        CTIME(8)=1.0,
        CWTIME(4)=1.5,
        CWTIME(8)=1.5,
        CXTIME(4)=5.0,
        CXTIME(8)=5.0,
        WMAX(4)=20.0,WMIN(4)=2.0,
        WMAX(8)=20.0,
        XMAX(4)=30.0,XMIN(4)=2.0,
        XMAX(8)=30.0,
        WADD(8)=1.0,XADD(8)=1.0,
        XFARE(1,4)=75,XFARE(1,8)=25,
        XFARE(4,8)=25,XFARE(8,4)=75,
        XFARE(4,4)=25,XFARE(8,8)=00 &END
&SELECT REPORT=5,6,7,I=1,-1110,
        DELETE=2,5,FARE='MD.FARE1' &END
/*
/**-----
//TRNSKIM4 EXEC V87UPSUM,CLASS=Q,CORE=600K,
// PATH='DSN=KN630MS.MIY86.TPATHMD1.DATA',UNITPAT=3380,
// J1='DSN=KN630MS.MIY86.TSKIMMD1.DATA',
// UNITJ1='3380,VOL=SER=DSK6A8'
//UPSUM.SYSIN DD *
&PARAM TABOUT=12,
        TRUN(1)=1,NAME1='WALK',
        TRUN(2)=2,NAME2='NOT USED',
        TRUN(3)=3,NAME3='NOT USED',
        TRUN(4)=4,NAME4='IN-LOCAL',
        TRUN(5)=5,NAME5='NOT USED',
        TRUN(6)=6,NAME6='NOT USED',
        TRUN(7)=7,NAME7='NOT USED',
        TRUN(8)=8,NAME8='IN-DPM',
        TXFERS=9,NAME9='TRANSFERS',
        TWAIT(1)=10,NAME10='IWAIT',
        TWAIT(2)=11,NAME11='XWAIT',
        TTIME=12,NAME12='TOT WTD' &END
/*

```

```

/*-----
//TRNPATH5 EXEC V87UPATH,CLASS=Q,CORE=600K,
// NET1='DSN=KN630MS.MIY86.TNETMD1.DATA',
// NET2='DSN=KN630MS.MIY86.TNETMD2.DATA',
// NET3='DSN=KN630MS.MIY86.TNETMD3.DATA',
// NET4='DSN=KN630MS.MIY86.TNETMD4.DATA',
// PATH='DSN=KN630MS.MIY86.TPATHMD2.DATA',
// J1='DSN=KN630MS.MIY86.TFAREMD2.DATA',
// UNITPAT='3380,VOL=SER=DSK6A8',
// UNITJ1='3380,VOL=SER=DSK6A8'
//UPATH.SYSIN DD *
&PARAM XFERS=4,
      CTIME(1)=2.5,
      CTIME(4)=2.5,CTIME(5)=0.1,CTIME(6)=0.1,CTIME(8)=2.5,
      CWTIME(4)=1.5,CWTIME(5)=1.5,CWTIME(6)=1.5,CWTIME(8)=1.5,
      CXTIME(4)=5.0,CXTIME(5)=5.0,CXTIME(6)=5.0,CXTIME(8)=5.0,
      CTIME(7)=0.1,
      CWTIME(7)=1.5,
      CXTIME(7)=5.0,
      WMAX(4)=20.0,WMIN(4)=2.0,
      XMAX(4)=30.0,XMIN(4)=2.0,
      WMAX(5)=20.0,WMAX(7)=20.0,
      XMAX(5)=30.0,XMAX(7)=30.0,
      WMAX(6)=20.0,WMIN(6)=2.0,
      XMAX(6)=30.0,XMIN(6)=2.0,
      WMAX(8)=20.0,
      XMAX(8)=30.0,
      WADD(5)=1.0,XADD(5)=1.0,
      WADD(7)=1.0,XADD(7)=1.0,
      WADD(8)=1.0,XADD(8)=1.0,
      XFARE(1,4)=75,XFARE(1,5)=100,XFARE(1,6)=100,XFARE(1,8)=25,
      XFARE(4,4)=25,XFARE(4,5)= 25,XFARE(4,6)= 50,XFARE(4,8)=25,
      XFARE(5,4)=00,XFARE(5,5)= 00,XFARE(5,6)= 25,XFARE(5,8)=00,
      XFARE(7,4)=00,XFARE(7,5)= 00,XFARE(7,6)= 25,XFARE(7,8)=00,
      XFARE(6,4)=25,XFARE(6,5)= 25,XFARE(6,6)= 25,XFARE(6,8)=25,
      XFARE(8,4)=75,XFARE(8,5)= 75,XFARE(8,6)=100,XFARE(8,8)=00,
      XFARE(1,7)=100,
      XFARE(4,7)= 25,
      XFARE(5,7)= 00,
      XFARE(7,7)= 00,
      XFARE(6,7)= 25,
      XFARE(8,7)= 75 &END
&OPTION NOX(8,6)=T &END
&SELECT REPORT=5,6,7,I=1,-1110,
      DELETE=2,FARE='MD.FARE2' &END
/*
/*-----
//TRNSKIM5 EXEC V87UPSUM,CLASS=Q,CORE=600K,
// PATH='DSN=KN630MS.MIY86.TPATHMD2.DATA',UNITPAT=3380,
// J1='DSN=KN630MS.MIY86.TSKIMMD2.DATA',
// UNITJ1='3380,VOL=SER=DSK6A8'
//UPSUM.SYSIN DD *
&PARAM TABOUT=12,
      TRUN(1)=1,NAME1='WALK',
      TRUN(2)=2,NAME2='NOT USED',
      TRUN(3)=3,NAME3='NOT USED',
      TRUN(4)=4,NAME4='IN-LOCAL',
      TRUN(5)=5,NAME5='IN-MRAIL',
      TRUN(6)=6,NAME6='IN-EXPRS',
      TRUN(7)=7,NAME7='IN-CRAIL',

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```

TRUN(8)=8,NAME8='IN-DPM ',
TXFERS=9,NAME9='TRANSFERS',
TWAIT(1)=10,NAME10='IWAIT',
TWAIT(2)=11,NAME11='XWAIT',
TTIME=12,NAME12='TOT WTD' &END
/*
//*-----
//TRNPATH6 EXEC V87UPATH,CLASS=Q,CORE=600K,
// NET1='DSN=KN630MS.MIY86.TNETMD1.DATA',
// NET2='DSN=KN630MS.MIY86.TNETMD2.DATA',
// NET3='DSN=KN630MS.MIY86.TNETMD3.DATA',
// NET4='DSN=KN630MS.MIY86.TNETMD4.DATA',
// PATH='DSN=KN630MS.MIY86.TPATHMD3.DATA',
// J1='DSN=KN630MS.MIY86.TFAREMD3.DATA',
// UNITPAT='3380,VOL=SER=DSK6A8',
// UNITJ1='3380,VOL=SER=DSK6A8'
//UPATH.SYSIN DD *
&PARAM XFERS=4,
      CTTIME(1)=2.5,CTTIME(2)=0.1,
      CTTIME(4)=2.5,CTTIME(5)=0.1,CTTIME(6)=0.1,CTTIME(8)=2.5,
      CWTIME(4)=1.5,CWTIME(5)=1.5,CWTIME(6)=1.5,CWTIME(8)=1.5,
      CXTIME(4)=5.0,CXTIME(5)=5.0,CXTIME(6)=5.0,CXTIME(8)=5.0,
      CTTIME(7)=0.1,
      CWTIME(7)=1.5,
      CXTIME(7)=5.0,
      WMAX(4)=20.0,WMIN(4)=2.0,
      XMAX(4)=30.0,XMIN(4)=2.0,
      WMAX(5)=20.0,WMAX(7)=20.0,
      XMAX(5)=30.0,XMAX(7)=30.0,
      WMAX(6)=20.0,WMIN(6)=2.0,
      XMAX(6)=30.0,XMIN(6)=2.0,
      WMAX(8)=20.0,
      XMAX(8)=30.0,
      WADD(5)=1.0,XADD(5)=1.0,
      WADD(7)=1.0,XADD(7)=1.0,
      WADD(8)=1.0,XADD(8)=1.0,
      XFARE(2,5)=100,XFARE(2,6)=100,
      XFARE(4,4)=25,XFARE(4,5)= 25,XFARE(4,6)= 50,XFARE(4,8)=25,
      XFARE(5,4)=00,XFARE(5,5)= 00,XFARE(5,6)= 25,XFARE(5,8)=00,
      XFARE(6,4)=25,XFARE(6,5)= 25,XFARE(6,6)= 25,XFARE(6,8)=25,
      XFARE(8,4)=75,XFARE(8,5)= 75,XFARE(8,6)=100,XFARE(8,8)=00,
      XFARE(2,7)=100,
      XFARE(4,7)= 25,
      XFARE(5,7)= 00,
      XFARE(6,7)= 25,
      XFARE(8,7)= 75 &END
&OPTION NOX(1,4)=T,NOX(1,5)=T,NOX(1,7)=T,NOX(1,6)=T,NOX(1,8)=T,
      NOX(8,6)=T &END
&SELECT REPORT=5,6,7,I-1,-1110,
      FARE='MD.FARE3' &END
/*
//*-----
//TRNSKIM6 EXEC V87UPSUM,CLASS=Q,CORE=600K,
// PATH='DSN=KN630MS.MIY86.TPATHMD3.DATA',UNITPAT=3380,
// J1='DSN=KN630MS.MIY86.TSKIMMD3.DATA',UNITJ1='3380,VOL=SER=DSK6A8'
//UPSUM.SYSIN DD *
&PARAM TABOUT=12,
      TRUN(1)=1,NAME1='WALK',
      TRUN(2)=2,NAME2='AUTO ACC',
      TRUN(3)=3,NAME3='NOT USED',

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```
TRUN(4)=4,NAME4='IN-LOCAL',  
TRUN(5)=5,NAME5='IN-MRAIL',  
TRUN(6)=6,NAME6='IN-EXPRS',  
TRUN(7)=7,NAME7='IN-CRAIL',  
TRUN(8)=8,NAME8='IN-MOVER',  
TXFERS=9,NAME9='TRANSFERS',  
TWAIT(1)=10,NAME10='IWAIT',  
TWAIT(2)=11,NAME11='XWAIT',  
TTIME=12,NAME12='TOT WTD' &END
```

```
/*
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```
//*-----
```



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//KN630MSA JOB (5532931,5500,990807415),
//      'GFCC,813-882-4366',
//      MSGLEVEL=(1,1),NOTIFY=KN630MS,REGION=2048K,
//      CLASS=A,MSGCLASS=Q,TIME=(150)
/*ROUTE PRINT DIST7
/*JOBPARM FORMS=4366
//*-----
//*      DSN=KN630MS.MIY86.CNTL(LOSSUM)
//*-----
//TEMZDATA EXEC FORTXCLG
//FORT.SYSPRINT DD DUMMY
//FORT.SYSTERM DD DUMMY
//FORT.SYSIN DD *
      INTEGER ANODE,AT/0/,TERM(5)/5*0/,ZONES/0/,ZONE/0/,
      &ZDZNE,PK9HR,PK3HR,IZN,INCOME
      REAL*4 RZONES/0./,RTERM(5)/5*0./,TZONES/0./
C
C READ RUN-SPECIFIC PARAMETERS
C
      READ(12,13) TZONES,RZONES,(RTERM(I),I=1,5)
13  FORMAT(T10,F4.0/T10,F4.0,5(/T18,F2.0))
      DO 19 I = 1,5
      TERM(I) = RTERM(I)
19  CONTINUE
      IZN = TZONES
      ZONES = RZONES
C
C READ LINK RECORD
C
      3  READ(11,4,END=997) ANODE,AT
      4  FORMAT(2X,I5,12X,I1,52X)
C
C ESTABLISH TERMINAL TIME FOR EACH ZONE
C
      IF (ANODE.GT.ZONES) GO TO 3
      IF (ANODE.EQ.ZONE) GO TO 3
      ZONE = ANODE
C
C READ ZDATA2 RECORD
C
      IF(ZONE.GT.IZN) GO TO 9
      READ(10,5) ZDZNE,PRK3HR,PRK9HR,INCOME
5  FORMAT(4X,I4,30X,2I4,25X,I1)
      IF(ZONE.NE.ZDZNE) STOP 32
      GO TO 10
      9  PRK3HR=0
      PRK9HR=0
C
      10 WRITE(18,11) ZONE,PRK9HR,PRK3HR,TERM(AT),INCOME
      11 FORMAT(2X,I4,2X,2(1X,I4),3X,I3,3X,I1)
      GO TO 3
997 STOP
      END
//LKED.SYSPRINT DD DUMMY
//GO.FT06F001 DD SYSOUT=Q
//GO.FT10F001 DD DSN=KN630MS.MIY86.DATA(ZDATA2),DISP=SHR
//GO.FT11F001 DD DSN=KN630MS.MIY86.DATA(LINKS),DISP=SHR
//GO.FT18F001 DD UNIT=3380,VOL=SER=DSK6A8,DISP=(NEW,CATLG),
//      DSN=KN630MS.MIY86.SUMZDATA.DATA,
//      DCB=(RECFM=FB,LRECL=80,BLKSIZE=4080),SPACE=(TRK,(10,10),RLSE)

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//GO.FT12F001 DD *
INTZONES=1089.
EXTZONES=1110.
TERMINAL TIME 1 =5.
TERMINAL TIME 2 =2.
TERMINAL TIME 3 =1.
TERMINAL TIME 4 =3.
TERMINAL TIME 5 =1.
/*
//*-----
//SUMTABS EXEC V87UMATX,CLASS=Q,CORE=512K,
//      J1='DSN=KN63OMS.MIY86.PTRIPS.DATA',UNITJ1=3380,
//      J9='DSN=KN63OMS.MIY86.SUMTABS.DATA',
//      UNITJ9='3380,VOL=SER=DSK6A8'
//UMATRIX.FT19F001 DD DISP=(NEW,CATLG),SPACE=(CYL,(7,3),RLSE)
//UMATRIX.SYSIN DD *
&PARAM SIZE=1110,
      J901.I*3.HBW ='J101',
      J902.I*3.HBNW='J102+J103+J104',
      J903.I*3.NHB ='J105',
      J904.I*3.TRKTXI ='J106',
      J905.I*3.HWAY E/I='J107' &END
/*
//*-----
//SUMTFARE EXEC V87UMCON,CLASS=Q,
//      J1='DSN=KN63OMS.MIY86.TFAREAM1.DATA',UNITJ1=3380,
//      J2='DSN=KN63OMS.MIY86.TFAREAM2.DATA',UNITJ2=3380,
//      J3='DSN=KN63OMS.MIY86.TFAREAM3.DATA',UNITJ3=3380,
//      J4='DSN=KN63OMS.MIY86.TFAREMD1.DATA',UNITJ4=3380,
//      J5='DSN=KN63OMS.MIY86.TFAREMD2.DATA',UNITJ5=3380,
//      J6='DSN=KN63OMS.MIY86.TFAREMD3.DATA',UNITJ6=3380,
//      J9='DSN=KN63OMS.MIY86.SUMTFARE.DATA',
//      UNITJ9='3380,VOL=SER=DSK6A8'
//UMCON.FT19F001 DD DISP=(NEW,CATLG),SPACE=(CYL,(7,3),RLSE)
//UMCON.SYSIN DD *
&PARAM ZONES=1110,CARDS=0,
      TABLES=101,201,301,401,501,601,
      NAME1='PK LBUS FARE',
      NAME2='PK LHWA FARE',
      NAME3='PK LHAA FARE',
      NAME4='MD LBUS FARE',
      NAME5='MD LHWA FARE',
      NAME6='MD LHAA FARE' &END
/*
//*-----
//SUMTSKIM EXEC V87UMATX,CLASS=Q,CORE=2048K,
//      J1='DSN=KN63OMS.MIY86.TSKIMAM1.DATA',UNITJ1=3380,
//      J2='DSN=KN63OMS.MIY86.TSKIMAM2.DATA',UNITJ2=3380,
//      J3='DSN=KN63OMS.MIY86.TSKIMAM3.DATA',UNITJ3=3380,
//      J4='DSN=KN63OMS.MIY86.TSKIMMD1.DATA',UNITJ4=3380,
//      J5='DSN=KN63OMS.MIY86.TSKIMMD2.DATA',UNITJ5=3380,
//      J6='DSN=KN63OMS.MIY86.TSKIMMD3.DATA',UNITJ6=3380,
//      J9='DSN=KN63OMS.MIY86.SUMTSKIM.DATA',
//      UNITJ9='3380,VOL=SER=DSK6A8'
//UMATRIX.FT19F001 DD DISP=(NEW,CATLG),SPACE=(CYL,(7,3),RLSE)
//UMATRIX.SYSIN DD *
&PARAM SIZE=1110,
      J901.I*3.PK LBUS WK='J101+J103',
      J902.I*3.PK LBUS WT='J110+J111',
      J903.I*3.PK LBUS M48='J104+J108',

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J904.I*3.PK LHWA WK='J201+J203',
J905.I*3.PK LHWA WT='J210+J211',
J906.I*3.PK LHWA M48='J204+J208',
J907.I*3.PK LHWA M57='J205+J207',
J908.I*3.PK LHWA M6='IF J907=0. THEN J206 ELSE 0.',
J909.I*3.PK LHAA WK='J301+J303',
J910.I*3.PK LHAA WT='J310+J311',
J911.I*3.PK LHAA M48='J304+J308',
J912.I*3.PK LHAA M57='IF J302=0. THEN 0. ELSE J305+J307',
J913.I*3.PK LHAA M6='IF J302=0. THEN 0. ELSE
      IF J912=0. THEN J306 ELSE 0.',
J914.I*3.PK LHAA M2='J302',
J915.I*3.MD LBUS WK='J401+J403',
J916.I*3.MD LBUS WT='J410+J411',
J917.I*3.MD LBUS M48='J404+J408',
J918.I*3.MD LHWA WK='J501+J503',
J919.I*3.MD LHWA WT='J510+J511',
J920.I*3.MD LHWA M48='J504+J508',
J921.I*3.MD LHWA M57='J505+J507',
J922.I*3.MD LHWA M6='IF J921=0. THEN J506 ELSE 0.',
J923.I*3.MD LHAA WK='J601+J603',
J924.I*3.MD LHAA WT='J610+J611',
J925.I*3.MD LHAA M48='J604+J608',
J926.I*3.MD LHAA M57='IF J602=0. THEN 0. ELSE J605+J607',
J927.I*3.MD LHAA M6='IF J602=0. THEN 0. ELSE
      IF J926=0. THEN J606 ELSE 0.',
J928.I*3.MD LHAA M2='J602' &END
/*
//*-----
//ACCSTATP EXEC V87USTOS,CLASS=Q,
//      PATH='DSN=KN63OMS.MIY86.TPATHAM3.DATA',
//      J8='DSN=&&STATPD',
//      UNITJ8='3380,VOL=SER=DSK6A8'
//USTOS.FT18F001 DD DISP=(NEW,PASS),SPACE=(CYL,(7,3),RLSE)
//USTOS.SYSIN DD *
&PARAM ZONES=1110,
      ARRIVE=2,
      RIDE=5,6,7,
      DEPART=1,3,4,8,
      STOP=5603,5610,5509,5527,5439,5309,5325,5196,4759,4748,
      4493,4477,4356,4216,4193,4054,4052,2988,2966,2938,
      1721 &END
&OPTION AE=T &END
/*
//*-----
//ACCSTATP EXEC V87USTOS,CLASS=Q,
//      PATH='DSN=KN63OMS.MIY86.TPATHAM2.DATA',
//      J8='DSN=&&STATPO',
//      UNITJ8='3380,VOL=SER=DSK6A8'
//USTOS.FT18F001 DD DISP=(NEW,PASS),SPACE=(CYL,(7,3),RLSE)
//USTOS.SYSIN DD *
&PARAM ZONES=1110,
      ARRIVE=1,3,4,
      RIDE=5,6,7,
      DEPART=1,3,4,8,
      STOP=5603,5610,5509,5527,5439,5309,5325,5196,4759,4748,
      4493,4477,4356,4216,4193,4054,4052,2988,2966,2938,
      1721 &END
&OPTION AE=T &END
/*

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/*-----
//ACCSTATM EXEC V87USTOS,CLASS=Q,
//      PATH='DSN=KN63OMS.MIY86.TPATHMD3.DATA',
//      J8='DSN=&&STATMD',
//      UNITJ8='3380,VOL=SER=DSK6A8'
//USTOS.FT18F001 DD DISP=(NEW,PASS),SPACE=(CYL,(7,3),RLSE)
//USTOS.SYSIN DD *
&PARAM ZONES=1110,
        ARRIVE=2,
        RIDE=5,6,7,
        DEPART=1,3,4,8,
        STOP=5603,5610,5509,5527,5439,5309,5325,5196,4759,4748,
              4493,4477,4356,4216,4193,4054,4052,2988,2966,2938,
              1721 &END
&OPTION AE=T &END
/*
/*-----
//ACCSTATM EXEC V87USTOS,CLASS=Q,
//      PATH='DSN=KN63OMS.MIY86.TPATHMD2.DATA',
//      J8='DSN=&&STATMO',
//      UNITJ8='3380,VOL=SER=DSK6A8'
//USTOS.FT18F001 DD DISP=(NEW,PASS),SPACE=(CYL,(7,3),RLSE)
//USTOS.SYSIN DD *
&PARAM ZONES=1110,
        ARRIVE=1,3,4,
        RIDE=5,6,7,
        DEPART=1,3,4,8,
        STOP=5603,5610,5509,5527,5439,5309,5325,5196,4759,4748,
              4493,4477,4356,4216,4193,4054,4052,2988,2966,2938,
              1721 &END
&OPTION AE=T &END
/*
/*-----
//AACSTATA EXEC V87UMATX,CLASS=Q,CORE=2048K,
//      J1='DSN=&&STATPD',UNITJ1=3380,
//      J2='DSN=&&STATMD',UNITJ2=3380,
//      J3='DSN=&&STATPO',UNITJ2=3380,
//      J4='DSN=&&STATMO',UNITJ2=3380,
//      J9='DSN=KN63OMS.MIY86.SUMSTAT.DATA',
//      UNITJ9='3380,VOL=SER=DSK6A8'
//UMATRIX.FT19F001 DD DISP=(NEW,CATLG),SPACE=(CYL,(7,3),RLSE)
//UMATRIX.SYSIN DD *
&PARAM SIZE=1110,
        J901.I*3.ACCSTAT PD='J101',
        J902.I*3.ACCSTAT MD='J201',
        J903.I*3.ACCSTAT PO='J301',
        J904.I*3.ACCSTAT MO='J401' &END
&OPTION TRIO=F &END
/*
/*-----

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//KN630MSA JOB (5532931,5500,990807415),
//      'GFCC,813-882-4366',
//      MSGLEVEL=(1,1),NOTIFY=KN630MS,REGION=2048K,
//      CLASS=A,MSGCLASS=Q,TIME=(150)
/*ROUTE PRINT DIST6
//*JOBPARM FORMS=4366
//*-----
//*      DSN=KN630MS.MIY86.CNTL(MODESPLT)
//*-----
//MODESPLT EXEC V87UMODL,CLASS=Q,CORE=512K,
//      LIB='KN630MS.MIY86.MODESPLT.LOAD',
//      A1='DSN=KN630MS.MIY86.SUMZDATA.DATA',UNITA1=3380,
//      J1='DSN=KN630MS.MIY86.SUMTABS.DATA',UNITJ1=3380,
//      J2='DSN=KN630MS.MIY86.SUMTFARE.DATA',UNITJ2=3380,
//      J3='DSN=KN630MS.MIY86.SUMTSKIM.DATA',UNITJ3=3380,
//      J4='DSN=KN630MS.MIY86.SUMSTAT.DATA',UNITJ4=3380,
//      J5='DSN=KN630MS.MIY86.RHSKIMS.DATA',UNITJ5=3380,
//      J6='DSN=KN630MS.MIY86.FHSKIMS.DATA',UNITJ6=3380,
//      J9='DSN=KN630MS.MIY86.MODETRPS.DATA',
//      UNITJ9='3380,VOL=SER=DSK6A8'
//UMODEL.FT19FO01 DD DISP=(NEW,CATLG),SPACE=(CYL,(10,5),RLSE)
//UMODEL.SYSIN DD *
&PARAM ZONES=1110,TABOUT=36,TESUM=3,3,3,3,
NAME01='HBW-      DA',NAME13='HBNW-      DA',NAME25='NHB-      DA',
NAME02='HBW-      2P',NAME14='HBNW-      2P',NAME26='NHB-      2P',
NAME03='HBW-      3P+',NAME15='HBNW-      3P+',NAME27='NHB-      3P+',
NAME04='HBW-      M48',NAME16='HBNW-      M48',NAME28='NHB-      M48',
NAME05='HBW- M4578W',NAME17='HBNW- M4578W',NAME29='NHB- M4578W',
NAME06='HBW- M468W',NAME18='HBNW- M468W',NAME30='NHB- M468W',
NAME07='HBW-M4578PD',NAME19='HBNW-M4578PD',NAME31='NHB-M4578PD',
NAME08='HBW-M4578PS',NAME20='HBNW-M4578PS',NAME32='NHB-M4578PS',
NAME09='HBW- M468PD',NAME21='HBNW- M468PD',NAME33='NHB- M468PD',
NAME10='HBW- M468PS',NAME22='HBNW- M468PS',NAME34='NHB- M468PS',
NAME11='HBW- M4578K',NAME23='HBNW- M4578K',NAME35='NHB- M4578K',
NAME12='HBW- M468K',NAME24='HBNW- M468K',NAME36='NHB- M468K',
UPARMS( 1)=1089,
UPARMS( 2)=22.0,
UPARMS( 3)=2.5,
UPARMS( 4)=2.5,
UPARMS( 5)=2.5,
UPARMS( 6)=3.2,
UPARMS( 7)=3.2,
UPARMS( 8)=3.2,
UPARMS( 9)=26.0,
UPARMS(10)=31.0,
UPARMS(11)=20.0,
UPARMS(12)=21.0,
UPARMS(13)=0.0000,
UPARMS(14)=0.0000,
UPARMS(15)=3.0,
UPARMS(16)=3.0,
UPARMS(91)=1.0,
UPARMS(92)=1.03387 &END
&DATA
1 T    1001                HBW                PERSON TRIPS
2 T    1002                HBNW               PERSON TRIPS
3 T    1003                NHB                PERSON TRIPS
4 X    2001                PK LBUS FARE        CENTS
5 X    3001                PK LBUS WK TIME    MINUTES
6 X    3002                PK LBUS WT TIME    MINUTES

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7 X	3003	PK M48 RUN TIME	MINUTES
8 X	2002	PK LHWA FARE	CENTS
9 X	3004	PK LHWA WK TIME	MINUTES
10 X	3005	PK LHWA WT TIME	MINUTES
11 X	3006	PK LHWA M48 RUN TIME	MINUTES
12 X	3007	PK LHWA M57RUN TIME	MINUTES
13 X	3008	PK LHWA M6 RUN TIME	MINUTES
14 X	2003	PK LHAA FARE	CENTS
15 X	3009	PK LHAA WK TIME	MINUTES
16 X	3010	PK LHAA WT TIME	MINUTES
17 X	3011	PK LHAA M48 RUN TIME	MINUTES
18 X	3012	PK LHAA M57RUN TIME	MINUTES
19 X	3013	PK LHAA M6 RUN TIME	MINUTES
20 X	3014	PK LHAA M2 TIME	MINUTES
21 X	4001	PK LHAA ACCESS STATION NUMBER	
22 X	2004	MD LBUS FARE	CENTS
23 X	3015	MD LBUS WK TIME	MINUTES
24 X	3016	MD LBUS WT TIME	MINUTES
25 X	3017	MD LBUS M48 TIME	MINUTES
26 X	2005	MD LHWA FARE	CENTS
27 X	3018	MD LHWA WK TIME	MINUTES
28 X	3019	MD LHWA WT TIME	MINUTES
29 X	3020	MD LHWA M48 RUN TIME	MINUTES
30 X	3021	MD LHWA M57RUN TIME	MINUTES
31 X	3022	MD LHWA M6 RUN TIME	MINUTES
32 X	2006	MD LHAA FARE	CENTS
33 X	3023	MD LHAA WK TIME	MINUTES
34 X	3024	MD LHAA WT TIME	MINUTES
35 X	3025	MD LHAA M48 RUN TIME	MINUTES
36 X	3026	MD LHAA M57RUN TIME	MINUTES
37 X	3027	MD LHAA M6 RUN TIME	MINUTES
38 X	3028	MD LHAA M2 TIME	MINUTES
39 X	4002	MD LHAA ACCESS STATION NUMBER	
40 X	5001	PK HWY TIME (N-UPDATED)	MINUTES
41 X	5003	PK HWY DIST.	0.1 MILES
42 X	6001	MD HWY TIME (N-UPDATED)	MINUTES
43 X	6003	MD HWY DIST.	0.1 MILES
44 P	1	6	1 1
45 A	8	13	2 1
46 A	14	18	3 1
47 P	19	24	4 1
48 A*		5	
49 P	28	28	6 1
50 X*			
51 X	4003	PK LHBW ACCESS STATION NUMBER	
52 X	4004	MD LHBW ACCESS STATION NUMBER	

/*

//UMODEL.FT01F001 DD *

1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	1.281	1.281	1.281	1.281	-0.846	-0.846	-0.846	-0.846	-0.846	-0.701
3	2.608	2.608	2.608	2.608	-0.061	-0.061	-0.061	-0.061	-0.061	0.059
4	0.011	0.011	0.011	0.011	0.216	0.216	0.216	0.216	0.216	0.950
5	0.364	0.364	0.364	0.364	-0.026	-0.026	-0.026	-0.026	-0.026	1.283
6	1.735	1.735	1.735	1.735	9.999	9.999	9.999	9.999	9.999	9.999
7	1.648	1.648	1.648	1.648	1.525	1.525	1.525	1.525	1.525	2.272
8	5.076	5.076	5.076	5.076	4.388	4.388	4.388	4.388	4.388	4.611
9	2.266	2.266	2.266	2.266	9.999	9.999	9.999	9.999	9.999	9.999
10	4.843	4.843	4.843	4.843	9.999	9.999	9.999	9.999	9.999	9.999
11	3.152	3.152	3.152	3.152	3.455	3.455	3.455	3.455	3.455	4.470
12	3.554	3.554	3.554	3.554	9.999	9.999	9.999	9.999	9.999	9.999

/*

//UMODEL.FT02F001 DD *

1	0.080	0.140	0.015	0.005	0.005
---	-------	-------	-------	-------	-------

2	0.085	0.060	0.010	0.003	0.003
---	-------	-------	-------	-------	-------

3	0.120	0.030	0.010	0.002	0.002
---	-------	-------	-------	-------	-------

/*

//UMODEL.FT03F001 DD DSN=KN630MS.MIY86.DATA(STATDAT),DISP=SHR

/*

//*-----

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//KN630MSA JOB (5532931,5500,990807415),
//      'GFCC,813-882-4366',
//      MSGLEVEL=(1,1),NOTIFY=KN630MS,REGION=2048K,
//      CLASS=A,MSGCLASS=Q,TIME=(150)
/*ROUTE PRINT DIST7
/*JOBPARM FORMS=4366
/**-----
/**      DSN=KN630MS.MIY86.CNTL(MODESUM)
/**-----
//SUMHTTAB EXEC V87UMATX,CLASS=Q,CORE=2048K,
//      J1='DSN=KN630MS.MIY86.MODETRPS.DATA',UNITJ1=3380,
//      J2='DSN=KN630MS.MIY86.SUMTABS.DATA',UNITJ2=3380,
//      J3='DSN=KN630MS.MIY86.EETAB.DATA',UNITJ3=3380,
//      J9='DSN=KN630MS.MIY86.HTTAB.DATA',UNITJ9='3380,VOL=SER=DSK6A8'
//UMATRIX.FT19F001 DD DISP=(NEW,CATLG),SPACE=(CYL,(7,3),RLSE)
//UMATRIX.SYSIN DD *
&PARAM SIZE=1110,
      J901.I*3.AUTO   VEH   ='(J101+J113+J125)+
                                (J102+J114+J126)/2.0+
                                (J103+J115+J127)/3.2+
                                (J204+J205)+(J301)',
      J902.I*3.LBUS   HBW   ='J104',
      J903.I*3.LBUS   HBNW  ='J116',
      J904.I*3.LBUS   NHB   ='J128',
      J905.I*3.LBUS   TOT   ='J902+J903+J904',
      J906.I*3.LHWA   HBW   ='J105+J106',
      J907.I*3.LHWA   HBNW  ='J117+J118',
      J908.I*3.LHWA   NHB   ='J129+J130',
      J909.I*3.LHWA   TOT   ='J906+J907+J908',
      J910.I*3.LHAA   HBW   ='J107+J108+J109+J110+J111+J112',
      J911.I*3.LHAA   HBNW  ='J119+J120+J121+J122+J123+J124',
      J912.I*3.LHAA   NHB   ='J131+J132+J133+J134+J135+J136',
      J913.I*3.LHAA   TOT   ='J910+J911+J912',
      J914.I*3.LH     TOT   ='J909+J913',
      J915.I*3.TRAN   HBW   ='J902+J906+J910',
      J916.I*3.TRAN   HBNW  ='J903+J907+J911',
      J917.I*3.TRAN   NHB   ='J904+J908+J912',
      J918.I*3.TRAN   TOT   ='J915+J916+J917' &END
/*
/**-----
//SQ1 EXEC V87USQEX,CLASS=Q,CORE=1024K,
//      J1='DSN=KN630MS.MIY86.HTTAB.DATA',UNITJ1=3380,
//      J9='DSN=&&SQ1',UNITJ9='3380,VOL=SER=DSK6A8'
//USQUEX.FT19F001 DD DISP=(NEW,PASS),SPACE=(CYL,(5,5),RLSE)
//USQUEX.SYSIN DD *
&PARAM ZONES=1110,DISTS=89,TABLES=101,105,114 &END
&OPTION SQUEEZ=T &END
&EQUIV DIST= 1,Z=1,-5                                &END
&EQUIV DIST= 2,Z=6,8,-30                                &END
&EQUIV DIST= 3,Z=31,-37                                &END
&EQUIV DIST= 4,Z=38,-47                                &END
&EQUIV DIST= 5,Z=48,-55                                &END
&EQUIV DIST= 6,Z=56,-68                                &END
&EQUIV DIST= 7,Z=69,-77                                &END
&EQUIV DIST= 8,Z=78,-88                                &END
&EQUIV DIST= 9,Z=89,-99                                &END
&EQUIV DIST=10,Z=100,-106                                &END
&EQUIV DIST=11,Z=107,-122                                &END
&EQUIV DIST=12,Z=123,-134                                &END
&EQUIV DIST=13,Z=135,-142,186,200                        &END

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&EQUIV DIST=14,Z=143,-145,149	&END
&EQUIV DIST=15,Z=146,-148,150,151,154	&END
&EQUIV DIST=16,Z=152,153,155,156,163,-166	&END
&EQUIV DIST=17,Z=157,-162	&END
&EQUIV DIST=18,Z=167,-185	&END
&EQUIV DIST=19,Z=187,-199	&END
&EQUIV DIST=20,Z=201,-204	&END
&EQUIV DIST=21,Z=205,-218	&END
&EQUIV DIST=22,Z=219,-244	&END
&EQUIV DIST=23,Z=245,-264	&END
&EQUIV DIST=24,Z=265,-285	&END
&EQUIV DIST=25,Z=286,-311	&END
&EQUIV DIST=26,Z=312,313,319,-322,333,-342	&END
&EQUIV DIST=27,Z=314,-318,323,-332	&END
&EQUIV DIST=28,Z=343,-360	&END
&EQUIV DIST=29,Z=361,-385	&END
&EQUIV DIST=30,Z=387,388,391,-395	&END
&EQUIV DIST=31,Z=386,389,390,396,-399	&END
&EQUIV DIST=32,Z=400,-411	&END
&EQUIV DIST=33,Z=412,-426	&END
&EQUIV DIST=34,Z=427,-448	&END
&EQUIV DIST=35,Z=449,-472	&END
&EQUIV DIST=36,Z=473,-485	&END
&EQUIV DIST=37,Z=7,486,-494	&END
&EQUIV DIST=38,Z=495,-523	&END
&EQUIV DIST=39,Z=524,-540	&END
&EQUIV DIST=40,Z=541,-547	&END
&EQUIV DIST=41,Z=548,-569	&END
&EQUIV DIST=42,Z=570,-577	&END
&EQUIV DIST=43,Z=582,-593,596,-599	&END
&EQUIV DIST=44,Z=578,-581,594,595	&END
&EQUIV DIST=45,Z=600,-608	&END
&EQUIV DIST=46,Z=609,-617	&END
&EQUIV DIST=47,Z=618,-626	&END
&EQUIV DIST=48,Z=627,-647	&END
&EQUIV DIST=49,Z=648,-665	&END
&EQUIV DIST=50,Z=666,-683	&END
&EQUIV DIST=51,Z=684,-707	&END
&EQUIV DIST=52,Z=708,-715	&END
&EQUIV DIST=53,Z=716,-718	&END
&EQUIV DIST=54,Z=719,-737	&END
&EQUIV DIST=55,Z=738,-743,758,-769	&END
&EQUIV DIST=56,Z=744,-757,770,-772	&END
&EQUIV DIST=57,Z=773,-792	&END
&EQUIV DIST=58,Z=793,-809	&END
&EQUIV DIST=59,Z=810,-816	&END
&EQUIV DIST=60,Z=817,-831	&END
&EQUIV DIST=61,Z=832,-836,850,-855	&END
&EQUIV DIST=62,Z=837,-849	&END
&EQUIV DIST=63,Z=856,-861	&END
&EQUIV DIST=64,Z=862,-869	&END
&EQUIV DIST=65,Z=870,-892	&END
&EQUIV DIST=66,Z=893,-903	&END
&EQUIV DIST=67,Z=904,-928	&END
&EQUIV DIST=68,Z=929,-944	&END
&EQUIV DIST=69,Z=945,-954,981	&END
&EQUIV DIST=70,Z=955,-970,977,-980	&END
&EQUIV DIST=71,Z=971,-976	&END
&EQUIV DIST=72,Z=982,-990	&END
&EQUIV DIST=73,Z=991,-1000	&END

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&EQUIV DIST=74,Z=1001,-1011 &END
&EQUIV DIST=75,Z=1012,-1018 &END
&EQUIV DIST=76,Z=1019,-1036 &END
&EQUIV DIST=77,Z=1037,-1054 &END
&EQUIV DIST=78,Z=1055,-1063 &END
&EQUIV DIST=79,Z=1064,-1089 &END
&EQUIV DIST=80,Z=1090 &END
&EQUIV DIST=81,Z=1091,-1094 &END
&EQUIV DIST=82,Z=1095 &END
&EQUIV DIST=83,Z=1096,-1098 &END
&EQUIV DIST=84,Z=1099 &END
&EQUIV DIST=85,Z=1100,-1105 &END
&EQUIV DIST=86,Z=1106 &END
&EQUIV DIST=87,Z=1107 &END
&EQUIV DIST=88,Z=1108 &END
&EQUIV DIST=89,Z=1109,1110 &END
/*
//*-----
//SQ2 EXEC V87USQEX,CLASS=Q,CORE=1024K,
// J1='DSN=KN63OMS.MIY86.HTTAB.DATA',UNITJ1=3380,
// J9='DSN-&SQ2',UNITJ9='3380,VOL=SER=DSK6A8'
//USQUEX.FT19F001 DD DISP=(NEW,PASS),SPACE=(CYL,(5,5),RLSE)
//USQUEX.SYSIN DD *
&PARAM ZONES=1110,DISTS=89,TABLES=115,116,117,118 &END
&OPTION SQUEEZ=T &END
&EQUIV DIST= 1,Z=1,-5 &END
&EQUIV DIST= 2,Z=6,8,-30 &END
&EQUIV DIST= 3,Z=31,-37 &END
&EQUIV DIST= 4,Z=38,-47 &END
&EQUIV DIST= 5,Z=48,-55 &END
&EQUIV DIST= 6,Z=56,-68 &END
&EQUIV DIST= 7,Z=69,-77 &END
&EQUIV DIST= 8,Z=78,-88 &END
&EQUIV DIST= 9,Z=89,-99 &END
&EQUIV DIST=10,Z=100,-106 &END
&EQUIV DIST=11,Z=107,-122 &END
&EQUIV DIST=12,Z=123,-134 &END
&EQUIV DIST=13,Z=135,-142,186,200 &END
&EQUIV DIST=14,Z=143,-145,149 &END
&EQUIV DIST=15,Z=146,-148,150,151,154 &END
&EQUIV DIST=16,Z=152,153,155,156,163,-166 &END
&EQUIV DIST=17,Z=157,-162 &END
&EQUIV DIST=18,Z=167,-185 &END
&EQUIV DIST=19,Z=187,-199 &END
&EQUIV DIST=20,Z=201,-204 &END
&EQUIV DIST=21,Z=205,-218 &END
&EQUIV DIST=22,Z=219,-244 &END
&EQUIV DIST=23,Z=245,-264 &END
&EQUIV DIST=24,Z=265,-285 &END
&EQUIV DIST=25,Z=286,-311 &END
&EQUIV DIST=26,Z=312,313,319,-322,333,-342 &END
&EQUIV DIST=27,Z=314,-318,323,-332 &END
&EQUIV DIST=28,Z=343,-360 &END
&EQUIV DIST=29,Z=361,-385 &END
&EQUIV DIST=30,Z=387,388,391,-395 &END
&EQUIV DIST=31,Z=386,389,390,396,-399 &END
&EQUIV DIST=32,Z=400,-411 &END
&EQUIV DIST=33,Z=412,-426 &END
&EQUIV DIST=34,Z=427,-448 &END
&EQUIV DIST=35,Z=449,-472 &END

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&EQUIV DIST=36,Z=473,-485	&END
&EQUIV DIST=37,Z=7,486,-494	&END
&EQUIV DIST=38,Z=495,-523	&END
&EQUIV DIST=39,Z=524,-540	&END
&EQUIV DIST=40,Z=541,-547	&END
&EQUIV DIST=41,Z=548,-569	&END
&EQUIV DIST=42,Z=570,-577	&END
&EQUIV DIST=43,Z=582,-593,596,-599	&END
&EQUIV DIST=44,Z=578,-581,594,595	&END
&EQUIV DIST=45,Z=600,-608	&END
&EQUIV DIST=46,Z=609,-617	&END
&EQUIV DIST=47,Z=618,-626	&END
&EQUIV DIST=48,Z=627,-647	&END
&EQUIV DIST=49,Z=648,-665	&END
&EQUIV DIST=50,Z=666,-683	&END
&EQUIV DIST=51,Z=684,-707	&END
&EQUIV DIST=52,Z=708,-715	&END
&EQUIV DIST=53,Z=716,-718	&END
&EQUIV DIST=54,Z=719,-737	&END
&EQUIV DIST=55,Z=738,-743,758,-769	&END
&EQUIV DIST=56,Z=744,-757,770,-772	&END
&EQUIV DIST=57,Z=773,-792	&END
&EQUIV DIST=58,Z=793,-809	&END
&EQUIV DIST=59,Z=810,-816	&END
&EQUIV DIST=60,Z=817,-831	&END
&EQUIV DIST=61,Z=832,-836,850,-855	&END
&EQUIV DIST=62,Z=837,-849	&END
&EQUIV DIST=63,Z=856,-861	&END
&EQUIV DIST=64,Z=862,-869	&END
&EQUIV DIST=65,Z=870,-892	&END
&EQUIV DIST=66,Z=893,-903	&END
&EQUIV DIST=67,Z=904,-928	&END
&EQUIV DIST=68,Z=929,-944	&END
&EQUIV DIST=69,Z=945,-954,981	&END
&EQUIV DIST=70,Z=955,-970,977,-980	&END
&EQUIV DIST=71,Z=971,-976	&END
&EQUIV DIST=72,Z=982,-990	&END
&EQUIV DIST=73,Z=991,-1000	&END
&EQUIV DIST=74,Z=1001,-1011	&END
&EQUIV DIST=75,Z=1012,-1018	&END
&EQUIV DIST=76,Z=1019,-1036	&END
&EQUIV DIST=77,Z=1037,-1054	&END
&EQUIV DIST=78,Z=1055,-1063	&END
&EQUIV DIST=79,Z=1064,-1089	&END
&EQUIV DIST=80,Z=1090	&END
&EQUIV DIST=81,Z=1091,-1094	&END
&EQUIV DIST=82,Z=1095	&END
&EQUIV DIST=83,Z=1096,-1098	&END
&EQUIV DIST=84,Z=1099	&END
&EQUIV DIST=85,Z=1100,-1105	&END
&EQUIV DIST=86,Z=1106	&END
&EQUIV DIST=87,Z=1107	&END
&EQUIV DIST=88,Z=1108	&END
&EQUIV DIST=89,Z=1109,1110	&END
/*	
//*------	
//SQ3 EXEC V87USQEX,CLASS=Q,CORE=1024K,	
// J1='DSN=KN630MS.MIY86.SUMTABS.DATA',UNITJ1=3380,	
// J9='DSN=&&SQ3',UNITJ9='3380,VOL=SER=DSK6A8'	
//USQUEX.FT19FO01 DD DISP=(NEW,PASS),SPACE=(CYL,(5,5),RLSE)	

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//USQUEX.SYSIN DD *
&PARAM ZONES=1110,DISTS=89,TABLES=101,102,103 &END
&OPTION SQUEEZ=T &END
&EQUIV DIST= 1,Z=1,-5 &END
&EQUIV DIST= 2,Z=6,8,-30 &END
&EQUIV DIST= 3,Z=31,-37 &END
&EQUIV DIST= 4,Z=38,-47 &END
&EQUIV DIST= 5,Z=48,-55 &END
&EQUIV DIST= 6,Z=56,-68 &END
&EQUIV DIST= 7,Z=69,-77 &END
&EQUIV DIST= 8,Z=78,-88 &END
&EQUIV DIST= 9,Z=89,-99 &END
&EQUIV DIST=10,Z=100,-106 &END
&EQUIV DIST=11,Z=107,-122 &END
&EQUIV DIST=12,Z=123,-134 &END
&EQUIV DIST=13,Z=135,-142,186,200 &END
&EQUIV DIST=14,Z=143,-145,149 &END
&EQUIV DIST=15,Z=146,-148,150,151,154 &END
&EQUIV DIST=16,Z=152,153,155,156,163,-166 &END
&EQUIV DIST=17,Z=157,-162 &END
&EQUIV DIST=18,Z=167,-185 &END
&EQUIV DIST=19,Z=187,-199 &END
&EQUIV DIST=20,Z=201,-204 &END
&EQUIV DIST=21,Z=205,-218 &END
&EQUIV DIST=22,Z=219,-244 &END
&EQUIV DIST=23,Z=245,-264 &END
&EQUIV DIST=24,Z=265,-285 &END
&EQUIV DIST=25,Z=286,-311 &END
&EQUIV DIST=26,Z=312,313,319,-322,333,-342 &END
&EQUIV DIST=27,Z=314,-318,323,-332 &END
&EQUIV DIST=28,Z=343,-360 &END
&EQUIV DIST=29,Z=361,-385 &END
&EQUIV DIST=30,Z=387,388,391,-395 &END
&EQUIV DIST=31,Z=386,389,390,396,-399 &END
&EQUIV DIST=32,Z=400,-411 &END
&EQUIV DIST=33,Z=412,-426 &END
&EQUIV DIST=34,Z=427,-448 &END
&EQUIV DIST=35,Z=449,-472 &END
&EQUIV DIST=36,Z=473,-485 &END
&EQUIV DIST=37,Z=7,486,-494 &END
&EQUIV DIST=38,Z=495,-523 &END
&EQUIV DIST=39,Z=524,-540 &END
&EQUIV DIST=40,Z=541,-547 &END
&EQUIV DIST=41,Z=548,-569 &END
&EQUIV DIST=42,Z=570,-577 &END
&EQUIV DIST=43,Z=582,-593,596,-599 &END
&EQUIV DIST=44,Z=578,-581,594,595 &END
&EQUIV DIST=45,Z=600,-608 &END
&EQUIV DIST=46,Z=609,-617 &END
&EQUIV DIST=47,Z=618,-626 &END
&EQUIV DIST=48,Z=627,-647 &END
&EQUIV DIST=49,Z=648,-665 &END
&EQUIV DIST=50,Z=666,-683 &END
&EQUIV DIST=51,Z=684,-707 &END
&EQUIV DIST=52,Z=708,-715 &END
&EQUIV DIST=53,Z=716,-718 &END
&EQUIV DIST=54,Z=719,-737 &END
&EQUIV DIST=55,Z=738,-743,758,-769 &END
&EQUIV DIST=56,Z=744,-757,770,-772 &END
&EQUIV DIST=57,Z=773,-792 &END

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&EQUIV DIST=58,Z=793,-809 &END
&EQUIV DIST=59,Z=810,-816 &END
&EQUIV DIST=60,Z=817,-831 &END
&EQUIV DIST=61,Z=832,-836,850,-855 &END
&EQUIV DIST=62,Z=837,-849 &END
&EQUIV DIST=63,Z=856,-861 &END
&EQUIV DIST=64,Z=862,-869 &END
&EQUIV DIST=65,Z=870,-892 &END
&EQUIV DIST=66,Z=893,-903 &END
&EQUIV DIST=67,Z=904,-928 &END
&EQUIV DIST=68,Z=929,-944 &END
&EQUIV DIST=69,Z=945,-954,981 &END
&EQUIV DIST=70,Z=955,-970,977,-980 &END
&EQUIV DIST=71,Z=971,-976 &END
&EQUIV DIST=72,Z=982,-990 &END
&EQUIV DIST=73,Z=991,-1000 &END
&EQUIV DIST=74,Z=1001,-1011 &END
&EQUIV DIST=75,Z=1012,-1018 &END
&EQUIV DIST=76,Z=1019,-1036 &END
&EQUIV DIST=77,Z=1037,-1054 &END
&EQUIV DIST=78,Z=1055,-1063 &END
&EQUIV DIST=79,Z=1064,-1089 &END
&EQUIV DIST=80,Z=1090 &END
&EQUIV DIST=81,Z=1091,-1094 &END
&EQUIV DIST=82,Z=1095 &END
&EQUIV DIST=83,Z=1096,-1098 &END
&EQUIV DIST=84,Z=1099 &END
&EQUIV DIST=85,Z=1100,-1105 &END
&EQUIV DIST=86,Z=1106 &END
&EQUIV DIST=87,Z=1107 &END
&EQUIV DIST=88,Z=1108 &END
&EQUIV DIST=89,Z=1109,1110 &END
/*
//*-----
//UMATRIX EXEC V87UMATX,CLASS=Q,CORE=2048K,
// J1='DSN-&&SQ1',UNITJ1=3380,
// J2='DSN-&&SQ2',UNITJ2=3380,
// J3='DSN-&&SQ3',UNITJ2=3380,
// J9='DSN-&&SQZ1',UNITJ9='3380,VOL=SER=DSK6A8'
//UMATRIX.FT19F001 DD DISP=(NEW,PASS),SPACE=(CYL,(5,5),RLSE)
//UMATRIX.SYSIN DD *
&PARAM SIZE=89,
J901.I*3.AUTO VEH='J101',
J902.I*3.LBUS TOT='J102',
J903.I*3.LH TOT='J103',
J904.I*3.TRANSIT HBW='J201',
J905.I*3.TRANSIT HNW='J202',
J906.I*3.TRANSIT NHB='J203',
J907.I*3.TRANSIT TOT='J204',
J908.I*3.TOTPER HBW='J301',
J909.I*3.TOTPER HNW='J302',
J910.I*3.TOTPER NHB='J303',
J911.I*3.TOTPER TOT='J301+J302+J303',
J912.I*3.MDSPLT HBW='IF J301=0 THEN 0 ELSE (J201/J301)*10000',
J913.I*3.MDSPLT HNW='IF J302=0 THEN 0 ELSE (J202/J302)*10000',
J914.I*3.MDSPLT NHB='IF J303=0 THEN 0 ELSE (J203/J303)*10000',
J915.I*3.MDSPLT TOT='IF J911=0 THEN 0 ELSE (J204/J911)*10000' &END
&SELECT REPORT2=901,-915,PRINT2=1,-89 &END
/*
//*-----

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//UFMTR EXEC V87UFMTR,CLASS=Q,CORE=1024K,
//  J1='DSN=&&SQZ1',UNITJ1=3380
//UFMTR.SYSIN DD *
&PARAM ZONES=89, TABLES=101,104,105,106,107,
        TITLE1='AUTO    VEH',
        TITLE2='TRANSIT HBW',
        TITLE3='TRANSIT HNW',
        TITLE4='TRANSIT NHB',
        TITLE5='TRANSIT TOT' &END
&SELECT REPORT=3 &END
/*
//*-----
//UFMTR EXEC V87UFMTR,CLASS=Q,CORE=1024K,
//  J1='DSN=&&SQZ1',UNITJ1=3380
//UFMTR.SYSIN DD *
&PARAM ZONES=89, TABLES=108,109,110,111,
        TITLE1='TOTPERS HBW',
        TITLE2='TOTPERS HNW',
        TITLE3='TOTPERS NHB',
        TITLE4='TOTPERS TOT' &END
&SELECT REPORT=3 &END
/*
//*-----
//SQ4 EXEC V87USQEX,CLASS=Q,CORE=1024K,
//  J1='DSN=&&SQ1',UNITJ1=3380,
//  J9='DSN=&&SQ4',UNITJ9='3380,VOL=SER=DSK6A8'
//USQUEX.FT19F001 DD DISP=(NEW,PASS),SPACE=(CYL,(5,5),RLSE)
//USQUEX.SYSIN DD *
&PARAM ZONES=89,DISTS=26, TABLES=101,102,103 &END
&OPTION SQUEEZ=T &END
&EQUIV DIST= 1,Z=37,-39                                &END
&EQUIV DIST= 2,Z=1                                       &END
&EQUIV DIST= 3,Z=52,-56                                  &END
&EQUIV DIST= 4,Z=57,58,65,-67                            &END
&EQUIV DIST= 5,Z=68,-71                                  &END
&EQUIV DIST= 6,Z=61,-64,72,73                            &END
&EQUIV DIST= 7,Z=74,-79                                  &END
&EQUIV DIST= 8,Z=31,32,40,-42,44,49,-51                 &END
&EQUIV DIST= 9,Z=16,17,30,43,48                         &END
&EQUIV DIST=10,Z=15,45,-47,59,60                        &END
&EQUIV DIST=11,Z=19,-22,26,-29,33,34                    &END
&EQUIV DIST=12,Z=11,-14,18                              &END
&EQUIV DIST=13,Z=35,36                                  &END
&EQUIV DIST=14,Z=6,23,-25                                &END
&EQUIV DIST=15,Z=7,-10                                  &END
&EQUIV DIST=16,Z=2,-5                                    &END
&EQUIV DIST=17,Z=80                                      &END
&EQUIV DIST=18,Z=81                                      &END
&EQUIV DIST=19,Z=82                                      &END
&EQUIV DIST=20,Z=83                                      &END
&EQUIV DIST=21,Z=84                                      &END
&EQUIV DIST=22,Z=85                                      &END
&EQUIV DIST=23,Z=86                                      &END
&EQUIV DIST=24,Z=87                                      &END
&EQUIV DIST=25,Z=88                                      &END
&EQUIV DIST=26,Z=89                                      &END
/*
//*-----
//SQ5 EXEC V87USQEX,CLASS=Q,CORE=1024K,
//  J1='DSN=&&SQ2',UNITJ1=3380,

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// J9='DSN- &&SQ5',UNITJ9='3380,VOL=SER=DSK6A8'
//USQUEX.FT19F001 DD DISP=(NEW,PASS),SPACE=(CYL,(5,5),RLSE)
//USQUEX.SYSIN DD *
&PARAM ZONES=89,DISTS=26,TABLES=101,102,103,104 &END
&OPTION SQUEEZ=T &END
&EQUIV DIST= 1,Z=37,-39 &END
&EQUIV DIST= 2,Z=1 &END
&EQUIV DIST= 3,Z=52,-56 &END
&EQUIV DIST= 4,Z=57,58,65,-67 &END
&EQUIV DIST= 5,Z=68,-71 &END
&EQUIV DIST= 6,Z=61,-64,72,73 &END
&EQUIV DIST= 7,Z=74,-79 &END
&EQUIV DIST= 8,Z=31,32,40,-42,44,49,-51 &END
&EQUIV DIST= 9,Z=16,17,30,43,48 &END
&EQUIV DIST=10,Z=15,45,-47,59,60 &END
&EQUIV DIST=11,Z=19,-22,26,-29,33,34 &END
&EQUIV DIST=12,Z=11,-14,18 &END
&EQUIV DIST=13,Z=35,36 &END
&EQUIV DIST=14,Z=6,23,-25 &END
&EQUIV DIST=15,Z=7,-10 &END
&EQUIV DIST=16,Z=2,-5 &END
&EQUIV DIST=17,Z=80 &END
&EQUIV DIST=18,Z=81 &END
&EQUIV DIST=19,Z=82 &END
&EQUIV DIST=20,Z=83 &END
&EQUIV DIST=21,Z=84 &END
&EQUIV DIST=22,Z=85 &END
&EQUIV DIST=23,Z=86 &END
&EQUIV DIST=24,Z=87 &END
&EQUIV DIST=25,Z=88 &END
&EQUIV DIST=26,Z=89 &END
/*
//*-----
//SQ6 EXEC V87USQUEX,CLASS=Q,CORE=1024K,
// J1='DSN- &&SQ3',UNITJ1=3380,
// J9='DSN- &&SQ6',UNITJ9='3380,VOL=SER=DSK6A8'
//USQUEX.FT19F001 DD DISP=(NEW,PASS),SPACE=(CYL,(5,5),RLSE)
//USQUEX.SYSIN DD *
&PARAM ZONES=89,DISTS=26,TABLES=101,102,103 &END
&OPTION SQUEEZ=T &END
&EQUIV DIST= 1,Z=37,-39 &END
&EQUIV DIST= 2,Z=1 &END
&EQUIV DIST= 3,Z=52,-56 &END
&EQUIV DIST= 4,Z=57,58,65,-67 &END
&EQUIV DIST= 5,Z=68,-71 &END
&EQUIV DIST= 6,Z=61,-64,72,73 &END
&EQUIV DIST= 7,Z=74,-79 &END
&EQUIV DIST= 8,Z=31,32,40,-42,44,49,-51 &END
&EQUIV DIST= 9,Z=16,17,30,43,48 &END
&EQUIV DIST=10,Z=15,45,-47,59,60 &END
&EQUIV DIST=11,Z=19,-22,26,-29,33,34 &END
&EQUIV DIST=12,Z=11,-14,18 &END
&EQUIV DIST=13,Z=35,36 &END
&EQUIV DIST=14,Z=6,23,-25 &END
&EQUIV DIST=15,Z=7,-10 &END
&EQUIV DIST=16,Z=2,-5 &END
&EQUIV DIST=17,Z=80 &END
&EQUIV DIST=18,Z=81 &END
&EQUIV DIST=19,Z=82 &END
&EQUIV DIST=20,Z=83 &END

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&EQUIV DIST=21,Z=84                                &END
&EQUIV DIST=22,Z=85                                &END
&EQUIV DIST=23,Z=86                                &END
&EQUIV DIST=24,Z=87                                &END
&EQUIV DIST=25,Z=88                                &END
&EQUIV DIST=26,Z=89                                &END
/*
//*-----
//UMATRIX EXEC V87UMATX,CLASS=Q,CORE=2048K,
//  J1='DSN=&&SQ4',UNITJ1=3380,
//  J2='DSN=&&SQ5',UNITJ2=3380,
//  J3='DSN=&&SQ6',UNITJ2=3380,
//  J9='DSN=&&SQZ2',UNITJ9='3380,VOL=SER=DSK6A8'
//UMATRIX.FT19F001 DD DISP=(NEW,PASS),SPACE=(CYL,(5,5),RLSE)
//UMATRIX.SYSIN DD *
  &PARAM SIZE=26,
    J901.I*3.AUTO      VEH='J101',
    J902.I*3.LBUS      TOT='J102',
    J903.I*3.LH        TOT='J103',
    J904.I*3.TRANSIT   HBW='J201',
    J905.I*3.TRANSIT   HNW='J202',
    J906.I*3.TRANSIT   NHB='J203',
    J907.I*3.TRANSIT   TOT='J204',
    J908.I*3.TOTPERS   HBW='J301',
    J909.I*3.TOTPERS   HNW='J302',
    J910.I*3.TOTPERS   NHB='J303',
    J911.I*3.TOTPERS   TOT='J301+J302+J303',
    J912.I*3.MDSPLT   HBW='IF J301=0 THEN 0 ELSE (J201/J301)*10000',
    J913.I*3.MDSPLT   HNW='IF J302=0 THEN 0 ELSE (J202/J302)*10000',
    J914.I*3.MDSPLT   NHB='IF J303=0 THEN 0 ELSE (J203/J303)*10000',
    J915.I*3.MDSPLT   TOT='IF J911=0 THEN 0 ELSE (J204/J911)*10000' &END
  &SELECT REPORT2=901,-915,PRINT2=1,-26 &END
/*
//*-----
//UFMTR EXEC V87UFMTR,CLASS=Q,CORE=1024K,
//  J1='DSN=&&SQZ2',UNITJ1=3380
//UFMTR.SYSIN DD *
  &PARAM ZONES=26,TABLES=101,104,105,106,107,
    TITLE1='AUTO      VEH',
    TITLE2='TRANSIT HBW',
    TITLE3='TRANSIT HNW',
    TITLE4='TRANSIT NHB',
    TITLE5='TRANSIT TOT' &END
  &SELECT REPORT=3 &END
/*
//*-----
//UFMTR EXEC V87UFMTR,CLASS=Q,CORE=1024K,
//  J1='DSN=&&SQZ2',UNITJ1=3380
//UFMTR.SYSIN DD *
  &PARAM ZONES=26,TABLES=108,109,110,111,
    TITLE1='TOTPERS HBW',
    TITLE2='TOTPERS HNW',
    TITLE3='TOTPERS NHB',
    TITLE4='TOTPERS TOT' &END
  &SELECT REPORT=3 &END
/*
//*-----

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//KN630MSA JOB (5532931,5500,990807415),
//      'GFCC,813-882-4366',
//      MSGLEVEL=(1,1),NOTIFY=KN630MS,REGION=2048K,
//      CLASS=A,MSGCLASS=Q,TIME=(30)
/*ROUTE PRINT DIST7
/*JOBPARM FORMS=4366
/*-----
/*      DSN=KN630MS.MIY86.CNTL(HASSIGN)
/*-----
//UMATX EXEC V87UMATX,CLASS=Q,CORE=2048K,
//      J1='DSN=KN630MS.MIY86.HTTAB.DATA',UNITJ1=3380,
//      J9='DSN=&&VTAB',
//      UNITJ9='3380,VOL=SER=DSK6A8'
//UMATRIX.FT19F001 DD DISP=(NEW,PASS),SPACE=(CYL,(7,3),RLSE)
//UMATRIX.SYSIN DD *
&PARAM SIZE=1110,
      J901.I*3.VTAB='.5*(J101+TR(J101))' &END
&OPTION TRIO=F &END
/*
/*-----
//UROAD EXEC V87UROAD,CLASS=Q,CORE=2048K,
//      LIB='URD87.SUROAD.LOAD',
//      J1='DSN=&&VTAB',UNITJ1=3380,
//      J9='DSN=KN630MS.MIY86.FRHSKIMS.DATA',
//      UNITJ9='3380,VOL=SER=DSK6A8',
//      Z1='DSN=KN630MS.MIY86.ZLINK.DATA',UNITZ1=3380
//UROAD.FT05F001 DD DSN=KN630MS.MIY86.DATA(UROAD),DISP=SHR
//UROAD.FT19F001 DD DISP=(NEW,CATLG),SPACE=(CYL,(7,3),RLSE)
/*
/*-----
//UMATX EXEC V87UMATX,CLASS=Q,CORE=2048K,
//      Z1='DSN=KN630MS.MIY86.ZLINK.DATA',UNITZ1=3380
//UMATRIX.SYSIN DD *
&PARAM
Z1CAPBA.I*4='COMPRESS(Z1C,Z1BAMAP)',
Z1CNTBA.I*4='COMPRESS(Z1OV,Z1BAMAP)',
Z1VOLBA.I*4='COMPRESS(Z1V1,Z1BAMAP)',
Z1NLBA.I*1='COMPRESS(Z1NL,Z1BAMAP)',
Z1CAP.I*4.TWAY CAPAC='IF Z1A < Z1B AND Z1DC = 2 THEN
      (((Z1C*Z1NL)+(Z1CAPBA*Z1NLBA))/0.10)*0.75
      ELSE IF Z1DC = 1 THEN ((Z1C*Z1NL)/0.10)*0.75
      ELSE MV',
Z1CNT.I*4.TWAY COUNT='IF Z1A < Z1B AND Z1DC = 2 THEN Z1OV+Z1CNTBA
      ELSE IF Z1DC = 1 THEN Z1OV ELSE MV',
Z1VOL.I*4.TWAY VOLUME='IF Z1A < Z1B AND Z1DC = 2 THEN Z1V1+Z1VOLBA
      ELSE IF Z1DC = 1 THEN Z1V1 ELSE MV',
Z1VCR.R*4.V/CNT RATIO='Z1VOL/Z1CNT',
Z1VCP.R*4.V/CAP RATIO='Z1VOL/Z1CAP' &END
&SELECT DELETE='Z1CAPBA','Z1CNTBA','Z1VOLBA','Z1NLBA',
      REPORT5=1 &END
/*
/*-----

```

```

//KN630MSA JOB (5532931,5500,990807415),
//      'GFCC,813-882-4366',
//      MSGLEVEL=(1,1),NOTIFY=KN630MS,REGION=1024K,
//      CLASS=A,MSGCLASS=Q,TIME=(5)
/*ROUTE PRINT DIST7
/*-----
/*      DSN=KN630MS.MIY86.CNTL(HEVAL1)
/*-----
//UMATX EXEC V87UMATX,CLASS=Q,CORE=1024K,
//      A9='DSN=&&ZEVAL',UNITA9=DASD,
//      SPACEA9='(TRK,(20,10),RLSE)',
//      Z1='DSN=KN630MS.MIY86.ZLINK.DATA,VOL=SER=DSK6A8',
//      UNITSCR=DASD,UNITZ1=3380
//UMATRIX.SYSIN DD *
&SELECT PUNCH='Z1FT:I4',
          'Z1AT:I4',
          'Z1DC:I4',
          'Z1D:F8.3',
          'Z1CT1:F8.3',
          'Z1CNT:I8',
          'Z1VOL:I8',
          'Z1A:I4',
          'Z1B:I4',
          'Z1NL:I2',
          'Z1LG:I2',
          'Z1CAP:I8',
          'Z1FFT:F8.3',
          'Z1CC:I2',
          REPORT5=1 &END
/*
/*-----
//EVAL EXEC PGM=HEVAL84
//STEPLIB DD DSN=URD81.HEVAL84.LOAD,DISP=SHR
//GO.FT06F001 DD SYSOUT=Q
//GO.FT09F001 DD *
4.686, 4.686,18.196,18.196,19.028,18.196 ACCIDENT RATES
1.025, 1.025, 2.650, 2.650, 3.646, 2.650 INJURY RATES
0.019, 0.019, 0.032, 0.032, 0.030, 0.032 FATALITY RATES
100., 1000.,50000. ACCIDENT COST RATES
12.56, 19.78, 19.78, 19.78, 19.78, 19.78 CARBON MONOXIDE EMISSION RATES
12.56, 15.88, 15.88, 15.88, 15.88, 15.88 "
12.56, 12.79, 12.79, 12.79, 12.79, 12.79 "
10.43, 10.66, 10.66, 10.66, 10.66, 10.66 "
9.34, 10.66, 10.66, 10.66, 10.66, 10.66 "
8.44, 10.66, 10.66, 10.66, 10.66, 10.66 "
7.94, 10.66, 10.66, 10.66, 10.66, 10.66 "
7.62, 10.66, 10.66, 10.66, 10.66, 10.66 "
7.35, 10.66, 10.66, 10.66, 10.66, 10.66 "
7.35, 10.66, 10.66, 10.66, 10.66, 10.66 "
1.59, 2.06, 2.06, 2.06, 2.06, 2.06 HYDROCARBON EMISSION RATES
1.59, 1.81, 1.81, 1.81, 1.81, 1.81 "
1.59, 1.56, 1.56, 1.56, 1.56, 1.56 "
1.36, 1.37, 1.37, 1.37, 1.37, 1.37 "
1.27, 1.37, 1.37, 1.37, 1.37, 1.37 "
1.18, 1.37, 1.37, 1.37, 1.37, 1.37 "
1.09, 1.37, 1.37, 1.37, 1.37, 1.37 "
1.02, 1.37, 1.37, 1.37, 1.37, 1.37 "
1.00, 1.37, 1.37, 1.37, 1.37, 1.37 "
0.95, 1.37, 1.37, 1.37, 1.37, 1.37 "
1.29, 1.21, 1.21, 1.21, 1.21, 1.21 NITROUS-OXIDE EMISSION RATES

```

1.29,	1.22,	1.22,	1.22,	1.22,	1.22	"
1.29,	1.31,	1.31,	1.31,	1.31,	1.31	"
1.36,	1.39,	1.39,	1.39,	1.39,	1.39	"
1.45,	1.39,	1.39,	1.39,	1.39,	1.39	"
1.52,	1.39,	1.39,	1.39,	1.39,	1.39	"
1.61,	1.39,	1.39,	1.39,	1.39,	1.39	"
1.72,	1.39,	1.39,	1.39,	1.39,	1.39	"
1.77,	1.39,	1.39,	1.39,	1.39,	1.39	"
1.81,	1.39,	1.39,	1.39,	1.39,	1.39	"
.06899,	.09244,	.09244,	.09244,	.09244,	.09244	FUEL USE RATES
.06899,	.09102,	.09102,	.09102,	.09102,	.09102	"
.06899,	.09428,	.09428,	.09428,	.09428,	.09428	"
.06830,	.09497,	.09497,	.09497,	.09497,	.09497	"
.06869,	.09312,	.09312,	.09312,	.09312,	.09312	"
.07070,	.09326,	.09326,	.09326,	.09326,	.09326	"
.07164,	.09326,	.09326,	.09326,	.09326,	.09326	"
.07427,	.09326,	.09326,	.09326,	.09326,	.09326	"
.08006,	.09326,	.09326,	.09326,	.09326,	.09326	"
.08638,	.09326,	.09326,	.09326,	.09326,	.09326	"
.09269,	.09326,	.09326,	.09326,	.09326,	.09326	"
1000.,	1000.,	1000.,	1000.,	0.,	1000.	CONSTRUCTION COST RATES
2000.,	2000.,	2000.,	2000.,	0.,	2000.	"
3000.,	3000.,	3000.,	3000.,	0.,	3000.	"
0.,	1500.,	1500.,	1500.,	0.,	0.	"
0.,	0.,	1500.,	1500.,	0.,	0.	"
0.,	3000.,	3000.,	3000.,	0.,	0.	"
2000.,	1500.,	1200.,	1000.,	0.,	1000.	"
4000.,	3000.,	2400.,	2000.,	0.,	2000.	"
6000.,	4500.,	3600.,	3000.,	0.,	3000.	"
0.,	0.,	0.,	0.,	0.,	0.	"
.0936,	.1408,	.1408,	.1408,	.1408,	.1408	USER COST RATES
.0936,	.1413,	.1413,	.1413,	.1413,	.1413	"
.0936,	.1498,	.1498,	.1498,	.1498,	.1498	"
.0944,	.1548,	.1548,	.1548,	.1548,	.1548	"
.0967,	.1564,	.1564,	.1564,	.1564,	.1564	"
.0992,	.1564,	.1564,	.1564,	.1564,	.1564	"
.1015,	.1564,	.1564,	.1564,	.1564,	.1564	"
.1077,	.1564,	.1564,	.1564,	.1564,	.1564	"
.1134,	.1564,	.1564,	.1564,	.1564,	.1564	"
.1234,	.1564,	.1564,	.1564,	.1564,	.1564	"
.1234,	.1564,	.1564,	.1564,	.1564,	.1564	"
500.,	500.,	500.,	500.,	500.,	500.	MAINTENANCE COST RATES
500.,	500.,	500.,	500.,	500.,	500.	"
500.,	500.,	500.,	500.,	500.,	500.	"
500.,	500.,	500.,	500.,	500.,	500.	"
500.,	500.,	500.,	500.,	500.,	500.	"
500.,	500.,	500.,	500.,	500.,	500.	"
500.,	500.,	500.,	500.,	500.,	500.	"
500.,	500.,	500.,	500.,	500.,	500.	"
500.,	500.,	500.,	500.,	500.,	500.	"
500.,	500.,	500.,	500.,	500.,	500.	"
500.,	500.,	500.,	500.,	500.,	500.	"
//GO.FT10F001 DD DISP=(OLD,PASS),DSN=&&ZEVAL						
//GO.FT11F001 DD *						
HRLDX=&&ZEVAL/MIY86.ZLINK.DATA						
RATES=1979 UROAD & CUTS						
DADE COUNTY <---- STUDY AREA						
VALIDATE=TRUE						
ANALYSIS=FALSE						
86 <---- YEAR ALTERNATE						
/*						

```

/*-----
//COMPARE EXEC SAS,REGION=2540K
//SAS.WORK DD SPACE=(TRK,(100,50))
//SAS.FT11F001 DD SYSOUT=Q
//SAS.FT12F001 DD SYSOUT=Q
//SAS.SYSOUT DD SYSOUT=Q
//NEWDATA DD DSN=Z&ZEVAL,DISP=(OLD,DELETE)
//SAS.SYSIN DD *
    DATA MAIN;
    INFILE NEWDATA;
    INPUT FACTYP 9 AREATYP 13 DIRCDE 17 DIST 18-25 3 CTIME 26-33 3
        COUNT 34-41 VOLUME 42-49 ANODE 50-53 BNODE 54-57
        NLANE 59 SCRLNE 60-61 CAPACITY 62-69 FFTIME 70-77 3
        CONSCDE 79-80;
    IF ANODE GT BNODE AND DIRCDE EQ 2 THEN DELETE;
    IF DIRCDE NE 0;
    IF CTIME NE 0;
    IF COUNT NE 0;
    IF COUNT GE 0 AND COUNT LE 5000 THEN VGRP = 0;
    IF COUNT GT 5000 AND COUNT LE 10000 THEN VGRP = 1;
    IF COUNT GT 10000 AND COUNT LE 15000 THEN VGRP = 2;
    IF COUNT GT 15000 AND COUNT LE 20000 THEN VGRP = 3;
    IF COUNT GT 20000 AND COUNT LE 30000 THEN VGRP = 4;
    IF COUNT GT 30000 AND COUNT LE 40000 THEN VGRP = 5;
    IF COUNT GT 40000 AND COUNT LE 50000 THEN VGRP = 6;
    IF COUNT GT 50000 AND COUNT LE 75000 THEN VGRP = 7;
    IF COUNT GT 75000 AND COUNT LE 100000 THEN VGRP = 8;
    IF COUNT GT 100000 THEN VGRP = 9;
    SUMSQR=(COUNT-VOLUME)**2;
    PROC SORT DATA=MAIN;
        BY VGRP;
    PROC PLOT;
        PLOT VOLUME*COUNT;
    PROC MEANS MAXDEC=2;
        VAR VOLUME COUNT SUMSQR;
        BY VGRP;
    OUTPUT OUT=TEST1
        N= VNO CNO SNO
        MEAN= VMEAN CMEAN SMEAN
        SUM= VSUM CSUM SSUM;
    DATA TEST1;
    SET TEST1;
    RMSE=SQRT(SSUM/(CNO-1));
    RMSP=(RMSE/CMEAN)*100;
    PROC PRINT;
        VAR RMSE RMSP;
    PROC SORT DATA=MAIN;
        BY FACTYP;
    PROC PLOT;
        PLOT VOLUME*COUNT;
        BY FACTYP;
    PROC MEANS MAXDEC=2;
        VAR VOLUME COUNT SUMSQR;
        BY FACTYP;
    OUTPUT OUT=TEST2
        N= VNO CNO SNO
        MEAN= VMEAN CMEAN SMEAN
        SUM= VSUM CSUM SSUM;
    DATA TEST2;
    SET TEST2;

```

```

RMSE=SQRT(SSUM/(CNO-1));
RMSP=(RMSE/CMEAN)*100;
PROC PRINT;
    VAR RMSE RMSP;
PROC SORT DATA=MAIN;
    BY AREATYP;
PROC PLOT;
    PLOT VOLUME*COUNT;
    BY AREATYP;
PROC MEANS MAXDEC=2;
    VAR VOLUME COUNT SUMSQR;
    BY AREATYP;
    OUTPUT OUT=TEST3
        N= VNO CNO SNO
        MEAN= VMEAN CMEAN SMEAN
        SUM= VSUM CSUM SSUM;
DATA TEST3;
SET TEST3;
RMSE=SQRT(SSUM/(CNO-1));
RMSP=(RMSE/CMEAN)*100;
PROC PRINT;
    VAR RMSE RMSP;

```

/*

//*-----

```

//KN630MSA JOB (5532931,5500,990807415),
//      'GFCC,813-882-4366',
//      MSGLEVEL=(1,1),NOTIFY=KN630MS,REGION=1024K,
//      CLASS=A,MSGCLASS=Q,TIME=(5)
/*ROUTE PRINT DIST7
/*-----
/*      DSN=KN630MS.MIY86.CNTL(HEVAL2)
/*-----
//UMATX EXEC V87UMATX,CLASS=Q,CORE=1024K,
//      A9='DSN=&&ZEVAL',UNITA9=DASD,
//      SPACEA9='(TRK,(20,10),RLSE)',
//      Z1='DSN=KN630MS.MIY86.ZLINK.DATA,VOL=SER=DSK6A8',
//      UNITSCR=DASD,UNITZ1=3380
//UMATRIX.SYSIN DD *
  &SELECT PUNCH='Z1FT:I4',
              'Z1AT:I4',
              'Z1DC:I4',
              'Z1D:F8.3',
              'Z1CT1:F8.3',
              'Z1CNT:I8',
              'Z1VOL:I8',
              'Z1A:I4',
              'Z1B:I4',
              'Z1NL:I2',
              'Z1LG:I2',
              'Z1CAP:I8',
              'Z1FFT:F8.3',
              'Z1CC:I2',
              REPORT5=1 &END
/*
/*-----
//EVAL EXEC PGM=HEVAL84
//STEPLIB DD DSN=URD81.HEVAL84.LOAD,DISP=SHR
//GO.FT06F001 DD SYSOUT=Q
//GO.FT09F001 DD *
  4.686, 4.686,18.196,18.196,19.028,18.196 ACCIDENT RATES
  1.025, 1.025, 2.650, 2.650, 3.646, 2.650 INJURY RATES
  0.019, 0.019, 0.032, 0.032, 0.030, 0.032 FATALITY RATES
  100., 1000.,50000. ACCIDENT COST RATES
  12.56, 19.78, 19.78, 19.78, 19.78, 19.78 CARBON MONOXIDE EMISSION RATES
  12.56, 15.88, 15.88, 15.88, 15.88, 15.88 "
  12.56, 12.79, 12.79, 12.79, 12.79, 12.79 "
  10.43, 10.66, 10.66, 10.66, 10.66, 10.66 "
  9.34, 10.66, 10.66, 10.66, 10.66, 10.66 "
  8.44, 10.66, 10.66, 10.66, 10.66, 10.66 "
  7.94, 10.66, 10.66, 10.66, 10.66, 10.66 "
  7.62, 10.66, 10.66, 10.66, 10.66, 10.66 "
  7.35, 10.66, 10.66, 10.66, 10.66, 10.66 "
  7.35, 10.66, 10.66, 10.66, 10.66, 10.66 "
  1.59, 2.06, 2.06, 2.06, 2.06, 2.06 HYDROCARBON EMISSION RATES
  1.59, 1.81, 1.81, 1.81, 1.81, 1.81 "
  1.59, 1.56, 1.56, 1.56, 1.56, 1.56 "
  1.36, 1.37, 1.37, 1.37, 1.37, 1.37 "
  1.27, 1.37, 1.37, 1.37, 1.37, 1.37 "
  1.18, 1.37, 1.37, 1.37, 1.37, 1.37 "
  1.09, 1.37, 1.37, 1.37, 1.37, 1.37 "
  1.02, 1.37, 1.37, 1.37, 1.37, 1.37 "
  1.00, 1.37, 1.37, 1.37, 1.37, 1.37 "
  0.95, 1.37, 1.37, 1.37, 1.37, 1.37 "
  1.29, 1.21, 1.21, 1.21, 1.21, 1.21 NITROUS-OXIDE EMISSION RATES

```

1.29,	1.22,	1.22,	1.22,	1.22,	1.22	"
1.29,	1.31,	1.31,	1.31,	1.31,	1.31	"
1.36,	1.39,	1.39,	1.39,	1.39,	1.39	"
1.45,	1.39,	1.39,	1.39,	1.39,	1.39	"
1.52,	1.39,	1.39,	1.39,	1.39,	1.39	"
1.61,	1.39,	1.39,	1.39,	1.39,	1.39	"
1.72,	1.39,	1.39,	1.39,	1.39,	1.39	"
1.77,	1.39,	1.39,	1.39,	1.39,	1.39	"
1.81,	1.39,	1.39,	1.39,	1.39,	1.39	"
.06899,	.09244,	.09244,	.09244,	.09244,	.09244	FUEL USE RATES
.06899,	.09102,	.09102,	.09102,	.09102,	.09102	"
.06899,	.09428,	.09428,	.09428,	.09428,	.09428	"
.06830,	.09497,	.09497,	.09497,	.09497,	.09497	"
.06869,	.09312,	.09312,	.09312,	.09312,	.09312	"
.07070,	.09326,	.09326,	.09326,	.09326,	.09326	"
.07164,	.09326,	.09326,	.09326,	.09326,	.09326	"
.07427,	.09326,	.09326,	.09326,	.09326,	.09326	"
.08006,	.09326,	.09326,	.09326,	.09326,	.09326	"
.08638,	.09326,	.09326,	.09326,	.09326,	.09326	"
.09269,	.09326,	.09326,	.09326,	.09326,	.09326	"
1000.,	1000.,	1000.,	1000.,	0.,	1000.	CONSTRUCTION COST RATES
2000.,	2000.,	2000.,	2000.,	0.,	2000.	"
3000.,	3000.,	3000.,	3000.,	0.,	3000.	"
0.,	1500.,	1500.,	1500.,	0.,	0.	"
0.,	0.,	1500.,	1500.,	0.,	0.	"
0.,	3000.,	3000.,	3000.,	0.,	0.	"
2000.,	1500.,	1200.,	1000.,	0.,	1000.	"
4000.,	3000.,	2400.,	2000.,	0.,	2000.	"
6000.,	4500.,	3600.,	3000.,	0.,	3000.	"
0.,	0.,	0.,	0.,	0.,	0.	"
.0936,	.1408,	.1408,	.1408,	.1408,	.1408	USER COST RATES
.0936,	.1413,	.1413,	.1413,	.1413,	.1413	"
.0936,	.1498,	.1498,	.1498,	.1498,	.1498	"
.0944,	.1548,	.1548,	.1548,	.1548,	.1548	"
.0967,	.1564,	.1564,	.1564,	.1564,	.1564	"
.0992,	.1564,	.1564,	.1564,	.1564,	.1564	"
.1015,	.1564,	.1564,	.1564,	.1564,	.1564	"
.1077,	.1564,	.1564,	.1564,	.1564,	.1564	"
.1134,	.1564,	.1564,	.1564,	.1564,	.1564	"
.1234,	.1564,	.1564,	.1564,	.1564,	.1564	"
.1234,	.1564,	.1564,	.1564,	.1564,	.1564	"
500.,	500.,	500.,	500.,	500.,	500.	MAINTENANCE COST RATES
500.,	500.,	500.,	500.,	500.,	500.	"
500.,	500.,	500.,	500.,	500.,	500.	"
500.,	500.,	500.,	500.,	500.,	500.	"
500.,	500.,	500.,	500.,	500.,	500.	"
500.,	500.,	500.,	500.,	500.,	500.	"
500.,	500.,	500.,	500.,	500.,	500.	"
500.,	500.,	500.,	500.,	500.,	500.	"
500.,	500.,	500.,	500.,	500.,	500.	"
500.,	500.,	500.,	500.,	500.,	500.	"
//GO.FT10F001 DD DISP=(OLD,PASS),DSN=&ZEVAL						
//GO.FT11F001 DD *						
HRLDX=&ZEVAL/MIY86.ZLINK.DATA						
RATES=1979 UROAD & CUTS						
DADE COUNTY <---- STUDY AREA						
VALIDATE=FALSE						
ANALYSIS=TRUE						
86 <---- YEAR ALTERNATE						
/*						

```

/*-----
//COMPARE EXEC SAS,REGION=2540K
//SAS.WORK DD SPACE=(TRK,(100,50))
//SAS.FT11F001 DD SYSOUT=Q
//SAS.FT12F001 DD SYSOUT=Q
//SAS.SYSOUT DD SYSOUT=Q
//NEWDATA DD DSN=&&ZEVAL,DISP=(OLD,DELETE)
//SAS.SYSIN DD *
    DATA MAIN;
    INFILE NEWDATA;
    INPUT FACTYP 9 AREATYP 13 DIRCDE 17 DIST 18-25 3 CTIME 26-33 3
        COUNT 34-41 VOLUME 42-49 ANODE 50-53 BNODE 54-57
        NLANE 59 SCRLNE 60-61 CAPACITY 62-69 FFTIME 70-77 3
        CONSCDE 79-80;
    IF ANODE GT BNODE AND DIRCDE EQ 2 THEN DELETE;
    IF DIRCDE NE 0;
    IF CTIME NE 0;
    IF COUNT NE 0;
    IF COUNT GE 0 AND COUNT LE 5000 THEN VGRP = 0;
    IF COUNT GT 5000 AND COUNT LE 10000 THEN VGRP = 1;
    IF COUNT GT 10000 AND COUNT LE 15000 THEN VGRP = 2;
    IF COUNT GT 15000 AND COUNT LE 20000 THEN VGRP = 3;
    IF COUNT GT 20000 AND COUNT LE 30000 THEN VGRP = 4;
    IF COUNT GT 30000 AND COUNT LE 40000 THEN VGRP = 5;
    IF COUNT GT 40000 AND COUNT LE 50000 THEN VGRP = 6;
    IF COUNT GT 50000 AND COUNT LE 75000 THEN VGRP = 7;
    IF COUNT GT 75000 AND COUNT LE 100000 THEN VGRP = 8;
    IF COUNT GT 100000 THEN VGRP = 9;
    SUMSQR=(COUNT-VOLUME)**2;
    PROC SORT DATA=MAIN;
        BY VGRP;
    PROC PLOT;
        PLOT VOLUME*COUNT;
    PROC MEANS MAXDEC=2;
        VAR VOLUME COUNT SUMSQR;
        BY VGRP;
    OUTPUT OUT=TEST1
        N= VNO CNO SNO
        MEAN= VMEAN CMEAN SMEAN
        SUM= VSUM CSUM SSUM;
    DATA TEST1;
    SET TEST1;
    RMSE=SQRT(SSUM/(CNO-1));
    RMSP=(RMSE/CMEAN)*100;
    PROC PRINT;
        VAR RMSE RMSP;
    PROC SORT DATA=MAIN;
        BY FACTYP;
    PROC PLOT;
        PLOT VOLUME*COUNT;
        BY FACTYP;
    PROC MEANS MAXDEC=2;
        VAR VOLUME COUNT SUMSQR;
        BY FACTYP;
    OUTPUT OUT=TEST2
        N= VNO CNO SNO
        MEAN= VMEAN CMEAN SMEAN
        SUM= VSUM CSUM SSUM;
    DATA TEST2;
    SET TEST2;

```



```

RMSE=SQRT(SSUM/(CNO-1));
RMSP=(RMSE/CMEAN)*100;
PROC PRINT;
    VAR RMSE RMSP;
PROC SORT DATA=MAIN;
    BY AREATYP;
PROC PLOT;
    PLOT VOLUME*COUNT;
    BY AREATYP;
PROC MEANS MAXDEC=2;
    VAR VOLUME COUNT SUMSQR;
    BY AREATYP;
    OUTPUT OUT=TEST3
        N= VNO CNO SNO
        MEAN= VMEAN CMEAN SMEAN
        SUM= VSUM CSUM SSUM;
DATA TEST3;
SET TEST3;
RMSE=SQRT(SSUM/(CNO-1));
RMSP=(RMSE/CMEAN)*100;
PROC PRINT;
    VAR RMSE RMSP;

```

/*

/**-----

```

//KN630MSA JOB (5532931,5500,990807415),
//      'GFCC,813-882-4366',
//      MSGLEVEL=(1,1),NOTIFY=KN630MS,REGION=2048K,
//      CLASS=A,MSGCLASS=Q,TIME=(25)
/*ROUTE PRINT DIST7
/*JOBPARM FORMS=4366
/**-----
/**      DSN=KN630MS.MIY86.CNTL(TASSIGN1)
/**-----
//STEP1 EXEC V87UMATX,CLASS=Q,
//      J1='DSN=KN630MS.MIY86.HTTAB.DATA',UNITJ1=3380,
//      J9='DSN=&&TABS',UNITJ9='3380,VOL=SER=DSK6A8'
//UMATRIX.FT19F001 DD SPACE=(CYL,(7,3),RLSE),DISP=(NEW,PASS)
//UMATRIX.SYSIN DD *
&PARAM SIZE=1110,
      J9001.I*3.LOCAL BUS='J102',
      J9002.I*3.L-H WALK='J106',
      J9003.I*3.L-H AUTO='J110' &END
/*
/**-----
//STEP2 EXEC V87ULOAD,CLASS=Q,
//      NET1='DSN=KN630MS.MIY86.TNETAM1.DATA',
//      NET2='DSN=KN630MS.MIY86.TNETAM2.DATA',
//      NET3='DSN=KN630MS.MIY86.TNETAM3.DATA',
//      NET4='DSN=KN630MS.MIY86.TNETAM4.DATA',
//      PATH='DSN=KN630MS.MIY86.TPATHAM1.DATA',
//      J1='DSN=&&TABS',
//      UNITNET=3380,UNITPAT=3380,UNITJ1=3380,
//      LEGS='DSN=&&LL1',
//      DISPLEG='(NEW,PASS,DELETE)',
//      UNITLEG='3380,VOL=SER=DSK6A8,SPACE=(CYL,(5,2),RLSE)'
//ULOAD.SYSIN DD *
&PARAM TABLE=1001,SPAN=24          &END
&OPTION WALK=T,RIDE=T,FSPLIT=T      &END
&SELECT REPORT=5                    &END
/*
//SORT.SORTOUT DD DSN=&&LL1S,SPACE=(CYL,(5,2),RLSE),
//      UNIT=3380,VOL=SER=DSK6A8,DISP=(NEW,PASS)
/*
/**-----
//STEP3 EXEC V87ULOAD,CLASS=Q,
//      NET1='DSN=KN630MS.MIY86.TNETAM1.DATA',
//      NET2='DSN=KN630MS.MIY86.TNETAM2.DATA',
//      NET3='DSN=KN630MS.MIY86.TNETAM3.DATA',
//      NET4='DSN=KN630MS.MIY86.TNETAM4.DATA',
//      PATH='DSN=KN630MS.MIY86.TPATHAM2.DATA',
//      J1='DSN=&&TABS',
//      UNITNET=3380,UNITPAT=3380,UNITJ1=3380,
//      LEGS='DSN=&&LL2',
//      DISPLEG='(NEW,PASS,DELETE)',
//      UNITLEG='3380,VOL=SER=DSK6A8,SPACE=(CYL,(5,2),RLSE)'
//ULOAD.SYSIN DD *
&PARAM TABLE=1002,SPAN=24          &END
&OPTION WALK=T,RIDE=T,FSPLIT=T      &END
&SELECT REPORT=5                    &END
/*
//SORT.SORTOUT DD DSN=&&LL2S,SPACE=(CYL,(5,2),RLSE),
//      UNIT=3380,VOL=SER=DSK6A8,DISP=(NEW,PASS)
/*
/**-----

```

```

//STEP4 EXEC V87ULOAD,CLASS=Q,
// NET1='DSN=KN63OMS.MIY86.TNETAM1.DATA',
// NET2='DSN=KN63OMS.MIY86.TNETAM2.DATA',
// NET3='DSN=KN63OMS.MIY86.TNETAM3.DATA',
// NET4='DSN=KN63OMS.MIY86.TNETAM4.DATA',
// PATH='DSN=KN63OMS.MIY86.TPATHAM3.DATA',
// J1='DSN=&&TABS',
// UNITNET=3380,UNITPAT=3380,UNITJ1=3380,
// LEGS='DSN=&&LL3',
// DISPLEG='(NEW,PASS,DELETE)',
// UNITLEG='3380,VOL=SER=DSK6A8,SPACE=(CYL,(5,2),RLSE)'
//ULOAD.SYSIN DD *
&PARAM TABLE=1003,SPAN=24 &END
&OPTION WALK=T,RIIDE=T,FSPLIT=T &END
&SELECT REPORT=5 &END
/*
//SORT.SORTOUT DD DSN=&&LL3S,SPACE=(CYL,(5,2),RLSE),
// UNIT=3380,VOL=SER=DSK6A8,DISP=(NEW,PASS)
/*
//*-----
//STEP5 EXEC V87ULOAD,CLASS=Q,
// NET1='DSN=KN63OMS.MIY86.TNETAM1.DATA',
// NET2='DSN=KN63OMS.MIY86.TNETAM2.DATA',
// NET3='DSN=KN63OMS.MIY86.TNETAM3.DATA',
// NET4='DSN=KN63OMS.MIY86.TNETAM4.DATA',
// PATH='DSN=KN63OMS.MIY86.TPATHAM3.DATA',
// UNITNET=3380,UNITPAT=3380,
// LEGS='DSN=&&LL1S',LEGS2='DSN=&&LL2S',LEGS3='DSN=&&LL3S',
// DISPLEG='SHR',UNITLEG=3380
//ULOAD.SYSIN DD *
&PARAM SPAN=24 &END
&OPTION WALK=F,RIIDE=T,FSPLIT=T &END
&SELECT REPORT=2,-6 &END
/*
//SORT.SORTOUT DD UNIT=3380,VOL=SER=DSK6A8,
// DISP=(NEW,CATLG),SPACE=(CYL,(5,2),RLSE),
// DSN=KN63OMS.MIY86.TLEGSAM.DATA
//UPRAS.LEGS DD DISP=(OLD,KEEP)
/*
//*-----

```

```

//KN630MSA JOB (5532931,5500,990807415),
//      'GFCC,813-882-4366',
//      MSGLEVEL=(1,1),NOTIFY=KN630MS,REGION=2048K,
//      CLASS=A,MSGCLASS=Q,TIME=(25)
/*ROUTE PRINT DIST7
/*JOBPARM FORMS=4366
/*-----
/*      DSN=KN630MS.MIY86.CNTL(TASSIGN2)
/*-----
/*STEP1 EXEC V87UMATX,CLASS=Q,
//      J1='DSN=KN630MS.MIY86.HTTAB.DATA',UNITJ1=3380,
//      J9='DSN=&&TABS',UNITJ9='3380,VOL=SER=DSK6A8'
//UMATRIX.FT19F001 DD SPACE=(CYL,(7,3),RLSE),DISP=(NEW,PASS,DELETE)
//UMATRIX.SYSIN DD *
//      &PARAM SIZE=1110,
//      J9001.I*3.LOCAL BUS='J103+J104',
//      J9002.I*3.L-H WALK='J107+J108',
//      J9003.I*3.L-H AUTO='J111+J112' &END
/*
/*-----
/*STEP2 EXEC V87ULOAD,CLASS=Q,
//      NET1='DSN=KN630MS.MIY86.TNETMD1.DATA',
//      NET2='DSN=KN630MS.MIY86.TNETMD2.DATA',
//      NET3='DSN=KN630MS.MIY86.TNETMD3.DATA',
//      NET4='DSN=KN630MS.MIY86.TNETMD4.DATA',
//      PATH='DSN=KN630MS.MIY86.TPATHMD1.DATA',
//      J1='DSN=&&TABS',
//      UNITNET=3380,UNITPAT=3380,UNITJ1=3380,
//      LEGS='DSN=&&LL1',
//      DISPLEG='(NEW,PASS,DELETE)',
//      UNITLEG='3380,VOL=SER=DSK6A8,SPACE=(CYL,(5,2),RLSE)'
//ULOAD.SYSIN DD *
//      &PARAM TABLE=1001,SPAN=24 &END
//      &OPTION WALK=T,RIIDE=T,FSPLIT=T &END
//      &SELECT REPORT=5 &END
/*
//SORT.SORTOUT DD DSN=&&LL1S,SPACE=(CYL,(5,2),RLSE),
//      UNIT=3380,VOL=SER=DSK6A8,DISP=(NEW,PASS)
/*
/*-----
/*STEP3 EXEC V87ULOAD,CLASS=Q,
//      NET1='DSN=KN630MS.MIY86.TNETMD1.DATA',
//      NET2='DSN=KN630MS.MIY86.TNETMD2.DATA',
//      NET3='DSN=KN630MS.MIY86.TNETMD3.DATA',
//      NET4='DSN=KN630MS.MIY86.TNETMD4.DATA',
//      PATH='DSN=KN630MS.MIY86.TPATHMD2.DATA',
//      J1='DSN=&&TABS',
//      UNITNET=3380,UNITPAT=3380,UNITJ1=3380,
//      LEGS='DSN=&&LL2',
//      DISPLEG='(NEW,PASS,DELETE)',
//      UNITLEG='3380,VOL=SER=DSK6A8,SPACE=(CYL,(5,2),RLSE)'
//ULOAD.SYSIN DD *
//      &PARAM TABLE=1002,SPAN=24 &END
//      &OPTION WALK=T,RIIDE=T,FSPLIT=T &END
//      &SELECT REPORT=5 &END
/*
//SORT.SORTOUT DD DSN=&&LL2S,SPACE=(CYL,(5,2),RLSE),
//      UNIT=3380,VOL=SER=DSK6A8,DISP=(NEW,PASS)
/*
/*-----

```

```

//STEP4 EXEC V87ULOAD,CLASS=Q,
// NET1='DSN=KN63OMS.MIY86.TNETMD1.DATA',
// NET2='DSN=KN63OMS.MIY86.TNETMD2.DATA',
// NET3='DSN=KN63OMS.MIY86.TNETMD3.DATA',
// NET4='DSN=KN63OMS.MIY86.TNETMD4.DATA',
// PATH='DSN=KN63OMS.MIY86.TPATHMD3.DATA',
// J1='DSN=&&TABS',
// UNITNET=3380,UNITPAT=3380,UNITJ1=3380,
// LEGS='DSN=&&LL3',
// DISPLEG='(NEW,PASS,DELETE)',
// UNITLEG='3380,VOL=SER=DSK6A8,SPACE=(CYL,(5,2),RLSE)'
//ULOAD.SYSIN DD *
&PARAM TABLE=1003,SPAN=24 &END
&OPTION WALK=T,RIDE=T,FSPLIT=T &END
&SELECT REPORT=5 &END
/*
//SORT.SORTOUT DD DSN=&&LL3S,SPACE=(CYL,(5,2),RLSE),
// UNIT=3380,VOL=SER=DSK6A8,DISP=(NEW,PASS)
/*
//*-----
//STEP5 EXEC V87ULOAD,CLASS=Q,
// NET1='DSN=KN63OMS.MIY86.TNETMD1.DATA',
// NET2='DSN=KN63OMS.MIY86.TNETMD2.DATA',
// NET3='DSN=KN63OMS.MIY86.TNETMD3.DATA',
// NET4='DSN=KN63OMS.MIY86.TNETMD4.DATA',
// PATH='DSN=KN63OMS.MIY86.TPATHMD3.DATA',
// UNITNET=3380,UNITPAT=3380,
// LEGS='DSN=&&LL1S',LEGS2='DSN=&&LL2S',LEGS3='DSN=&&LL3S',
// DISPLEG='SHR',UNITLEG=3380
//ULOAD.SYSIN DD *
&PARAM SPAN=24 &END
&OPTION WALK=F,RIDE=T,FSPLIT=T &END
&SELECT REPORT=2,-6 &END
/*
//SORT.SORTOUT DD UNIT=3380,VOL=SER=DSK6A8,
// DISP=(NEW,CATLG),SPACE=(CYL,(5,2),RLSE),
// DSN=KN63OMS.MIY86.TLEGSMD.DATA
//UPRAS.LEGS DD DISP=(OLD,KEEP)
/*
//*-----

```

```

//KN630MSA JOB (5532931,5500,990807415),
//      'GFCC,(813)882-4366',
//      MSGLEVEL=(1,1),NOTIFY=KN630MS,REGION=2048K,
//      CLASS=A,MSGCLASS=Q,TIME=(20)
/*ROUTE PRINT DIST7
/* -----
/* FILE = KN630MS.MIY86.CNTL(HPLTA)
/* -----
//STEP1 EXEC V87H PLOT,CORE=512K,CLASS=Q,LIB='URD87.PLOT.LOAD',
//      Z1='DSN=KN630MS.MIY86.ZLINK.DATA,VOL=SER=DSK6A8',
//      UNITZ1=3380,
//      Z2='DSN=KN630MS.MIY86.ZNODE.DATA,VOL=SER=DSK6A8',
//      UNITZ2=3380,
//      PLOTTER='DSN=&&PFILE',
//      UNITPLO='DASD,SPACE=(TRK,(10,10))'
//H PLOT.SYSIN DD *
      &PLOT POST='NL','FT',
      PLOTN=T,
      PLOTL=T,
      PLOTXY=66,34.0,
      WINDOW=1.50,1.00,16.50,12.50,
      SCALE=2.65000,
      TITLE1='DADE: DEEP SOUTH - MIY86',
      TITLE2='LINK LABEL--# OF LANES & FACILITY TYPE',
      TSIZE=.49,.28,LASIZE=.10,NASIZE=.10 &END
&PLOT POST='NL','FT',
      PLOTN=T,
      PLOTL=T,
      PLOTXY=66,34.0,
      WINDOW=4.00,12.10,27.00,23.60,
      SCALE=2.65000,
      TITLE1='DADE: SOUTH - MIY86',
      TITLE2='LINK LABEL--# OF LANES & FACILITY TYPE',
      TSIZE=.49,.28,LASIZE=.10,NASIZE=.10 &END
/*
//PLT      EXEC PGM=PEGPLT30,
//      PARM='GFTE,5500,730,DIST7,H PLOT,TCNG,STD,SCALE(,100,)'
//STEPLIB DD DSN=SYS1.LIBFORT,DISP=SHR
//FT05F001 DD DSN=&&PFILE,DISP=(OLD,DELETE)
//FT06F001 DD SYSOUT=Q
/*

```

```

//KN630MSA JOB (5532931,5500,990807415),
//      'GFCC,(813)882-4366',
//      MSGLEVEL=(1,1),NOTIFY=KN630MS,REGION=2048K,
//      CLASS=A,MSGCLASS=Q,TIME=(20)
/*ROUTE PRINT DIST7
/* -----
/* FILE = KN630MS.MIY86.CNTL(HPLTC)
/* -----
//STEP1 EXEC V87HPLLOT,CORE=512K,CLASS=Q,LIB='URD87.PLOT.LOAD',
//      Z1='DSN=KN630MS.MIY86.ZLINK.DATA,VOL=SER=DSK6A8',
//      UNITZ1=3380,
//      Z2='DSN=KN630MS.MIY86.ZNODE.DATA,VOL=SER=DSK6A8',
//      UNITZ2=3380,
//      PLOTTER='DSN=&&PFILE',
//      UNITPLO='DASD,SPACE=(TRK,(10,10))'
//HPLLOT.SYSIN DD *
&PLOT POST='NL','FT',
      PLOTN=T,
      PLOTL=T,
      PLOTXY=65,34.0,
      WINDOW=23.00,26.40,25.00,27.90,
      SCALE=21.00000,
      TITLE1='DADE: CBD NORTH - MIY86',
      TITLE2='LINK LABEL--# OF LANES & FACILITY TYPE',
      TSIZE=.49,.28,LASIZE=.10,NASIZE=.10 &END
&PLOT POST='NL','FT',
      PLOTN=T,
      PLOTL=T,
      PLOTXY=65,34.0,
      WINDOW=23.00,25.00,25.00,26.50,
      SCALE=21.00000,
      TITLE1='DADE: CBD SOUTH - MIY86',
      TITLE2='LINK LABEL--# OF LANES & FACILITY TYPE',
      TSIZE=.49,.28,LASIZE=.10,NASIZE=.10 &END
/*
//PLT      EXEC PGM=PEGPLT30,
//      PARM='GFTE,5500,730,DIST7,HPLLOT,TCNG,STD,SCALE(,100,)'
//STEPLIB DD DSN=SYS1.LIBFORT,DISP=SHR
//FT05F001 DD DSN=&&PFILE,DISP=(OLD,DELETE)
//FT06F001 DD SYSOUT=Q
/*

```

```

//KN630MSA JOB (5532931,5500,990807415),
//      'GFCC,(813)882-4366',
//      MSGLEVEL=(1,1),NOTIFY=KN630MS,REGION=2048K,
//      CLASS=A,MSGCLASS=Q,TIME=(20)
/*ROUTE PRINT DIST7
/* -----
/* FILE = KN630MS.MIY86.CNTL(HPLTD)
/* -----
//STEP1 EXEC V87HPLLOT,CORE=512K,CLASS=Q,LIB='URD87.PLOT.LOAD',
//      Z1='DSN=KN630MS.MIY86.ZLINK.DATA,VOL=SER=DSK6A8',
//      UNITZ1=3380,
//      Z2='DSN=KN630MS.MIY86.ZNODE.DATA,VOL=SER=DSK6A8',
//      UNITZ2=3380,
//      PLOTTER='DSN=&&PFILE',
//      UNITPLO='DASD,SPACE=(TRK,(10,10))'
//HPLLOT.SYSIN DD *
&PLOT POST='NL','FT',
      PLOTN=T,
      PLOTL=T,
      PLOTXY=60,34.0,
      WINDOW= 18.50,26.00,25.00,32.00,
      BLANK=23.00,26.00,25.00,27.90,
      SCALE=5.25000,
      TITLE1='DADE: CENTRAL INSET NORTH - MIY86',
      TITLE2='LINK LABEL--# OF LANES & FACILITY TYPE',
      TSIZE=.49,.28,LASIZE=.10,NASIZE=.10 &END
&PLOT POST='NL','FT',
      PLOTN=T,
      PLOTL=T,
      PLOTXY=60,34.0,
      WINDOW= 18.50,21.00,25.00,27.00,
      BLANK=23.00,25.00,25.00,27.00,
      SCALE=5.25000,
      TITLE1='DADE: CENTRAL INSET SOUTH - MIY86',
      TITLE2='LINK LABEL--# OF LANES & FACILITY TYPE',
      TSIZE=.49,.21,LASIZE=.10,NASIZE=.10 &END
/*
//PLT EXEC PGM=PEGPLT30,
//      PARM='GFTE,5500,730,DIST7,HPLLOT,TCNG,STD,SCALE(,,100,)'
//STEPLIB DD DSN=SYS1.LIBFORT,DISP=SHR
//FT05F001 DD DSN=&&PFILE,DISP=(OLD,DELETE)
//FT06F001 DD SYSOUT=Q
/*

```



```

//KN630MSA JOB (5532931,5500,990807415),
//      'GFCC,(813)882-4366',
//      MSGLEVEL=(1,1),NOTIFY=KN630MS,REGION=2048K,
//      CLASS=A,MSGCLASS=Q,TIME=(20)
/*ROUTE PRINT DIST7
/* -----
/* FILE = KN630MS.MIY86.CNTL(HPLTAVOL)
/* -----
//STEP1 EXEC V87H PLOT,CORE=512K,CLASS=Q,LIB='URD87.PLOT.LOAD',
//      Z1='DSN=KN630MS.MIY86.ZLINK.DATA,VOL=SER=DSK6A8',
//      UNITZ1=3380,
//      Z2='DSN=KN630MS.MIY86.ZNODE.DATA,VOL=SER=DSK6A8',
//      UNITZ2=3380,
//      PLOTTER='DSN=&&PFILE',
//      UNITPLO='DASD,SPACE=(TRK,(10,10))'
//H PLOT.SYSIN DD *
&PLOT POST='V1',
      PLOTN=T,
      PLOTL=T,
      PLOTXY=66,34.0,
      WINDOW=1.50,1.00,16.50,12.50,
      SCALE=2.65000,
      TITLE1='DADE: DEEP SOUTH - MIY86',
      TITLE2='LINK LABEL--VOLUMES',
      TSIZE=.49,.28,LASIZE=.10,NASIZE=.10 &END
&PLOT POST='V1',
      PLOTN=T,
      PLOTL=T,
      PLOTXY=66,34.0,
      WINDOW=4.00,12.10,27.00,23.60,
      SCALE=2.65000,
      TITLE1='DADE: SOUTH - MIY86',
      TITLE2='LINK LABEL--VOLUMES',
      TSIZE=.49,.28,LASIZE=.10,NASIZE=.10 &END
/*
//PLT EXEC PGM=PEGPLT30,
//      PARM='GFTE,5500,730,DIST7,H PLOT,TCNG,STD,SCALE(,,100,)'
//STEPLIB DD DSN=SYS1.LIBFORT,DISP=SHR
//FT05F001 DD DSN=&&PFILE,DISP=(OLD,DELETE)
//FT06F001 DD SYSOUT=Q
/*

```

```

//KN630MSA JOB (5532931,5500,990807415),
//      'GFCC,(813)882-4366',
//      MSGLEVEL=(1,1),NOTIFY=KN630MS,REGION=2048K,
//      CLASS=A,MSGCLASS=Q,TIME=(20)
/*ROUTE PRINT DIST7
/** -----
/** FILE = KN630MS.MIY86.CNTL(HPLTBVOL)
/** -----
//STEP1 EXEC V87H PLOT,CORE=512K,CLASS=Q,LIB='URD87.PLOT.LOAD',
//      Z1='DSN=KN630MS.MIY86.ZLINK.DATA,VOL=SER=DSK6A8',
//      UNITZ1=3380,
//      Z2='DSN=KN630MS.MIY86.ZNODE.DATA,VOL=SER=DSK6A8',
//      UNITZ2=3380,
//      PLOTTER='DSN=&&PFILE',
//      UNITPLO='DASD,SPACE=(TRK,(10,10))'
//H PLOT.SYSIN DD *
&PLOT POST='V1',
      PLOTN=T,
      PLOTL=T,
      PLOTXY=66,34.0,
      WINDOW= 5.50,23.50,29.50,35.00,
      BLANK=23.20,25.20,25.00,27.70,
      SCALE=2.65000,
      TITLE1='DADE: CENTRAL - MIY86',
      TITLE2='LINK LABEL--VOLUMES',
      TSIZE=.49,.28,LASIZE=.10,NASIZE=.10 &END
&PLOT POST='V1',
      PLOTN=T,
      PLOTL=T,
      PLOTXY=66,34.0,
      WINDOW= 5.00,33.50,29.50,45.00,
      SCALE=2.65000,
      TITLE1='DADE: NORTH - MIY86',
      TITLE2='LINK LABEL--VOLUMES',
      TSIZE=.49,.28,LASIZE=.10,NASIZE=.10 &END
/*
//PLT      EXEC PGM=PEGPLT30,
//      PARM='GFTE,5500,730,DIST7,H PLOT,TCNG,STD,SCALE(,,100,)'
//STEPLIB DD DSN=SYS1.LIBFORT,DISP=SHR
//FT05F001 DD DSN=&&PFILE,DISP=(OLD,DELETE)
//FT06F001 DD SYSOUT=Q
/*

```

```

//KN630MSA JOB (5532931,5500,990807415),
//      'GFCC,(813)882-4366',
//      MSGLEVEL=(1,1),NOTIFY=KN630MS,REGION=2048K,
//      CLASS=A,MSGCLASS=Q,TIME=(20)
/*ROUTE PRINT DIST7
/** -----
/** FILE = KN630MS.MIY86.CNTL(HPLTCVOL)
/** -----
//STEP1 EXEC V87H PLOT,CORE=512K,CLASS=Q,LIB='URD87.PLOT.LOAD',
//      Z1='DSN=KN630MS.MIY86.ZLINK.DATA,VOL=SER=DSK6A8',
//      UNITZ1=3380,
//      Z2='DSN=KN630MS.MIY86.ZNODE.DATA,VOL=SER=DSK6A8',
//      UNITZ2=3380,
//      PLOTTER='DSN=&&PFILE',
//      UNITPLO='DASD,SPACE=(TRK,(10,10))'
//H PLOT.SYSIN DD *
    &PLOT POST='V1',
        PLOTN=T,
        PLOTL=T,
        PLOTXY=65,34.0,
        WINDOW=23.00,26.40,25.00,27.90,
        SCALE=21.00000,
        TITLE1='DADE: CBD NORTH - MIY86',
        TITLE2='LINK LABEL--VOLUMES',
        TSIZE=.49,.28,LASIZE=.10,NASIZE=.10 &END
    &PLOT POST='V1',
        PLOTN=T,
        PLOTL=T,
        PLOTXY=65,34.0,
        WINDOW=23.00,25.00,25.00,26.50,
        SCALE=21.00000,
        TITLE1='DADE: CBD SOUTH - MIY86',
        TITLE2='LINK LABEL--VOLUMES',
        TSIZE=.49,.28,LASIZE=.10,NASIZE=.10 &END
/*
//PLT      EXEC PGM=PEGPLT30,
//      PARM='GFTE,5500,730,DIST7,H PLOT,TCNG,STD,SCALE(,,100,)'
//STEPLIB DD DSN=SYS1.LIBFORT,DISP=SHR
//FT05F001 DD DSN=&&PFILE,DISP=(OLD,DELETE)
//FT06F001 DD SYSOUT=Q
/*

```

```

//KN630MSA JOB (5532931,5500,990807415),
//      'GFCC,(813)882-4366',
//      MSGLEVEL=(1,1),NOTIFY=KN630MS,REGION=2048K,
//      CLASS=A,MSGCLASS=Q,TIME=(20)
/*ROUTE PRINT DIST7
/* -----
/* FILE = KN630MS.MIY86.CNTL(HPLTDVOL)
/* -----
//STEP1 EXEC V87H PLOT,CORE=512K,CLASS=Q,LIB='URD87.PLOT.LOAD',
//      Z1='DSN=KN630MS.MIY86.ZLINK.DATA,VOL=SER=DSK6A8',
//      UNITZ1=3380,
//      Z2='DSN=KN630MS.MIY86.ZNODE.DATA,VOL=SER=DSK6A8',
//      UNITZ2=3380,
//      PLOTTER='DSN=&&PFILE',
//      UNITPLO='DASD,SPACE=(TRK,(10,10))'
//H PLOT.SYSIN DD *
&PLOT POST='V1',
      PLOTN=T,
      PLOTL=T,
      PLOTXY=60,34.0,
      WINDOW= 18.50,26.00,25.00,32.00,
      BLANK=23.00,26.00,25.00,27.90,
      SCALE=5.25000,
      TITLE1='DADE: CENTRAL INSET NORTH - MIY86',
      TITLE2='LINK LABEL--VOLUMES',
      TSIZE=.49,.28,LASIZE=.10,NASIZE=.10 &END
&PLOT POST='V1',
      PLOTN=T,
      PLOTL=T,
      PLOTXY=60,34.0,
      WINDOW= 18.50,21.00,25.00,27.00,
      BLANK=23.00,25.00,25.00,27.00,
      SCALE=5.25000,
      TITLE1='DADE: CENTRAL INSET SOUTH - MIY86',
      TITLE2='LINK LABEL--VOLUMES',
      TSIZE=.49,.28,LASIZE=.10,NASIZE=.10 &END
/*
//PLT      EXEC PGM=PEGPLT30,
//      PARM='GFTE,5500,730,DIST7,H PLOT,TCNG,STD,SCALE(,100,)'
//STEPLIB DD DSN=SYS1.LIBFORT,DISP=SHR
//FT05F001 DD DSN=&&PFILE,DISP=(OLD,DELETE)
//FT06F001 DD SYSOUT=Q
/*

```

```

//KN630MSA JOB (5532931,5500,990807415),
//  'GFCC,813-882-4366',
//  MSGLEVEL=(1,1),NOTIFY=KN630MS,REGION=2048K,
//  CLASS=A,MSGCLASS=Q,TIME=(6)
/*ROUTE PRINT DIST7
//*-----
/* DSN=KN630MS.MIY86.CNTL(DELETE)
//*-----
//DELETE  PROC DSET=DUMMY,PACK=DSK6A8
//T1      EXEC PGM=IEFBR14
//DD1     DD UNIT=3380,VOL=SER=&PACK,
//         DISP=(OLD,UNCATLG),DSN=&DSET
//DD2     DD UNIT=3380,VOL=SER=&PACK,
//         DISP=(OLD,DELETE),DSN=&DSET
//        PEND
//*-----
//EXTERNAL EXEC DELETE,DSET='KN630MS.MIY86.EETAB.DATA'
//*-----
//GEN     EXEC DELETE,DSET='KN630MS.MIY86.PROD.DATA'
//GEN     EXEC DELETE,DSET='KN630MS.MIY86.ATTR.DATA'
//*-----
//HNET    EXEC DELETE,DSET='KN630MS.MIY86.ZLINK.DATA'
//HNET    EXEC DELETE,DSET='KN630MS.MIY86.ZNODE.DATA'
//HNET    EXEC DELETE,DSET='KN630MS.MIY86.FHSKIMS.DATA'
//*-----
//DISTRIB EXEC DELETE,DSET='KN630MS.MIY86.PTRIPS.DATA'
//DISTRIB EXEC DELETE,DSET='KN630MS.MIY86.RHSKIMS.DATA'
//DISTRIB EXEC DELETE,DSET='KN630MS.MIY86.VTTAB.DATA'
//*-----
//AUTCNPGM EXEC DELETE,DSET='KN630MS.MIY86.AUTCON.LOAD'
//*-----
//AUTCON  EXEC DELETE,DSET='KN630MS.MIY86.ALINKSAM.DATA'
//AUTCON  EXEC DELETE,DSET='KN630MS.MIY86.ALINKSMD.DATA'
//*-----
//TNET    EXEC DELETE,DSET='KN630MS.MIY86.TNETAM1.DATA'
//TNET    EXEC DELETE,DSET='KN630MS.MIY86.TNETAM2.DATA'
//TNET    EXEC DELETE,DSET='KN630MS.MIY86.TNETAM3.DATA'
//TNET    EXEC DELETE,DSET='KN630MS.MIY86.TNETAM4.DATA'
//TNET    EXEC DELETE,DSET='KN630MS.MIY86.TNETMD1.DATA'
//TNET    EXEC DELETE,DSET='KN630MS.MIY86.TNETMD2.DATA'
//TNET    EXEC DELETE,DSET='KN630MS.MIY86.TNETMD3.DATA'
//TNET    EXEC DELETE,DSET='KN630MS.MIY86.TNETMD4.DATA'
//*-----
//TPATH   EXEC DELETE,DSET='KN630MS.MIY86.TFAREAM1.DATA'
//TPATH   EXEC DELETE,DSET='KN630MS.MIY86.TFAREAM2.DATA'
//TPATH   EXEC DELETE,DSET='KN630MS.MIY86.TFAREAM3.DATA'
//TPATH   EXEC DELETE,DSET='KN630MS.MIY86.TFAREMD1.DATA'
//TPATH   EXEC DELETE,DSET='KN630MS.MIY86.TFAREMD2.DATA'
//TPATH   EXEC DELETE,DSET='KN630MS.MIY86.TFAREMD3.DATA'
//TPATH   EXEC DELETE,DSET='KN630MS.MIY86.TPATHAM1.DATA'
//TPATH   EXEC DELETE,DSET='KN630MS.MIY86.TPATHAM2.DATA'
//TPATH   EXEC DELETE,DSET='KN630MS.MIY86.TPATHAM3.DATA'
//TPATH   EXEC DELETE,DSET='KN630MS.MIY86.TPATHMD1.DATA'
//TPATH   EXEC DELETE,DSET='KN630MS.MIY86.TPATHMD2.DATA'
//TPATH   EXEC DELETE,DSET='KN630MS.MIY86.TPATHMD3.DATA'
//TPATH   EXEC DELETE,DSET='KN630MS.MIY86.TSKIMAM1.DATA'
//TPATH   EXEC DELETE,DSET='KN630MS.MIY86.TSKIMAM2.DATA'
//TPATH   EXEC DELETE,DSET='KN630MS.MIY86.TSKIMAM3.DATA'
//TPATH   EXEC DELETE,DSET='KN630MS.MIY86.TSKIMMD1.DATA'
//TPATH   EXEC DELETE,DSET='KN630MS.MIY86.TSKIMMD2.DATA'

```

```
//TPATH      EXEC DELETE,DSET='KN63OMS.MIY86.TSKIMMD3.DATA'  
//*------  
//LOSSUM     EXEC DELETE,DSET='KN63OMS.MIY86.SUMZDATA.DATA'  
//LOSSUM     EXEC DELETE,DSET='KN63OMS.MIY86.SUMTABS.DATA'  
//LOSSUM     EXEC DELETE,DSET='KN63OMS.MIY86.SUMTFARE.DATA'  
//LOSSUM     EXEC DELETE,DSET='KN63OMS.MIY86.SUMTSKIM.DATA'  
//LOSSUM     EXEC DELETE,DSET='KN63OMS.MIY86.SUMSTAT.DATA'  
//*------  
//MODEPGM    EXEC DELETE,DSET='KN63OMS.MIY86.MODESPLT.LOAD'  
//*------  
//MODESPLT   EXEC DELETE,DSET='KN63OMS.MIY86.MODETRPS.DATA'  
//*------  
//MODESUM    EXEC DELETE,DSET='KN63OMS.MIY86.HTTAB.DATA'  
//*------  
//HASSIGN    EXEC DELETE,DSET='KN63OMS.MIY86.FRHSKIMS.DATA'  
//*------  
//TASSIGN    EXEC DELETE,DSET='KN63OMS.MIY86.TLEGSAM.DATA'  
//TASSIGN    EXEC DELETE,DSET='KN63OMS.MIY86.TLEGSMD.DATA'  
//*------  
/*
```

APPENDIX C
USER-WRITTEN PROGRAMS

URD87.GENMODEL.LOAD	FDOT
URD87.PHNET.LOAD	FDOT
URD87.FHNET.LOAD	FDOT
URD87.SUROAD.LOAD	FDOT
URD87.UPSICMODL.LOAD	FDOT
URD87.PDISTRIB.LOAD	FDOT
*KN63OMS.MIY86.AUTCON.LOAD	MDTA
*KN63OMS.MIY86.MODESPLT.LOAD	GANNETT FLEMING
URD87.HEVAL84.LOAD	FDOT

*These two User-written program source codes are included in this Appendix. Other program source codes can be obtained from FDOT.

```

//KN630MSA JOB (5532931,5500,990807415),
//      'GFCC,813-882-4366',REGION=1056K,
//      MSGLEVEL=(1,1),MSGCLASS=Q,CLASS=A,
//      NOTIFY=KN630MS,TIME=(1)
/*ROUTE PRINT DIST7
//*-----
//*   DSN = KN630MS.MIY86.CNTL(AUTCNPGM)
//*-----
//USERCODE EXEC V87UCODE,CLASS=Q,
//      LIB='KN630MS.MIY86.AUTCON.LOAD',
//      NAME='UMODEL',VOLLIB='DSK6A8',UNITLIB='3380',
//      DISPLIB='(NEW,CATLG,DELETE)',
//      SPACELI='(TRK,(40,5,1),RLSE)'
//USERCODE.SYSIN DD *
./ CHANGE LIST=ALL,NAME=UMODEL
./ NUMBER INSERT=YES,SEQ1=00399000,NEW1=00399001,INCR=1
C**** MODE 13C *****
      REAL RPLACE,MULT,RTIME(12)
      REAL INTRAT,TERMTO,TERSTA
      INTEGER*4 STA(104),SZH(104),PRIORT
      INTEGER*4 LOC(12),POINT(12),NODE(104,1200),USE(104)/104*0/
      REAL BDIF,LDIF,MAXTT,TIME(12),DIST(12)
C*****
      DATA NZONN/0/,NREAD/-1/,QED/-1/
C*****
96      FORMAT(25X,'&END')
97      FORMAT('  N=',(T7,10(I5,', ')))
98      FORMAT(' &ROUTE M=2,ONEWAY=T,')
900     FORMAT(5X,2I5)
901     FORMAT('1',2I5,1X,'2',4X,F5.1,5X,F5.1,T66,'2')
902     FORMAT('1',2I5,1X,'2',4X,F5.1,5X,F5.1,T66,'2')
950     FORMAT(1X,'EXCEEDED LAST BLANK NODE')
1004    FORMAT(1I5)
2601    FORMAT(' **** AUTO CONNECTORS TO LOT AT',I6,
*        ' (NEAREST ZONE IS',I5,') ****')
C*****
      MAXTT=UPARMS(1)
      PRIORT=UPARMS(2)
      INTRAT=UPARMS(3)
      TERMTO=UPARMS(4)
      TERSTA=UPARMS(5)
      LZN=UPARMS(6)
      NNOAC=UPARMS(7)
      FBLANK=UPARMS(8)
      LBLANK=UPARMS(9)
C*****
      IF(PRIORT.LE.0) PRIORT=10000
      C=0
      L=0
715     L=L+1
      READ(4,900,END=716) STA(L),SZH(L)
      GO TO 715
716     CONTINUE
      NOSTAT=L-1
./ NUMBER INSERT=YES,SEQ1=00416000,NEW1=00416001,INCR=1
C**** MODE 13D *****
      IF(IZ.GT.LZN) GO TO 2500
      IF(IZ-NZONN) 1001,1002,1003
C*****
1003    READ(3,1004,END=1002) NZONN

```



```

        IF(NREAD.EQ.-1) QED=NZONN
        NREAD=NREAD+1
        IF(NREAD.EQ.0) GO TO 1003
        IF(IZ.LT.NZONN) GO TO 1001
1002    IF(NREAD.EQ.QED) NZONN=10000
        IF(QED.NE.-1) GO TO 2500
C*****
1001    CONTINUE
C*****
100    CONTINUE
        POINT(1)=SZH(1)
        LOC(1)=1
        POINT(2)=SZH(2)
        LOC(2)=2
        POINT(3)=SZH(3)
        LOC(3)=3
C*****
        ILOC=1
        IPT=SZH(1)
C*****
        DO 103 J=1,NOSTAT
        IF(NNOAC.LT.1) GO TO 206
        DO 205 NNN=1,NNOAC
        RPLACE=STA(J)
        IF(RPLACE.EQ.UPARMS(10+NNN)) GO TO 103
205    CONTINUE
206    IF(PRIORT.GT.8191) GO TO 1492
        IF(J.GT.PRIORT) GO TO 1492
        IF(INT(SZH(J),PVAR(1)).GT.INT(IPT,PVAR(1))) GO TO 1492
        IPT=SZH(J)
        ILOC=J
C*****
1492    CONTINUE
        IF(J.EQ.1) GO TO 101
        IF(J.LT.4) GO TO 103
        IF(INT(SZH(J),PVAR(1)).GE.INT(POINT(3),PVAR(1))) GO TO 103
        POINT(3)=SZH(J)
        LOC(3)=J
101    CONTINUE
        DO 103 P=1,2
        DO 103 Q=1,2
        IF(INT(POINT(4-Q),PVAR(1)).GT.INT(POINT(3-Q),PVAR(1))) GO TO 103
        TEMP=POINT(3-Q)
        TLOC=LOC(3-Q)
        POINT(3-Q)=POINT(4-Q)
        LOC(3-Q)=LOC(4-Q)
        POINT(4-Q)=TEMP
        LOC(4-Q)=TLOC
103    CONTINUE
C*****
        III=-1
        IF(LOC(1).GT.PRIORT.AND.LOC(2).GT.PRIORT) III=1
        IF(III.GT.0) POINT(3)=IPT
        IF(III.GT.0) LOC(3)=ILOC
C*****
        DO 750 KK=1,3
        RTIME(KK)=INT(POINT(KK),PVAR(1))
750    CONTINUE
        M=3
C*****

```

```

      IF(III.GT.0) GO TO 1494
C*****
      BDIF=RTIME(3)-RTIME(1)
      IF(BDIF.GT.MAXTT) M=2
C*****
1494  CONTINUE
      IF(M.EQ.2.AND.LOC(1).GT.PRIORT) GO TO 1495
      LDIF=RTIME(2)-RTIME(1)
      IF(LDIF.GT.MAXTT) M=1
C*****
      IF(.NOT.(M.EQ.1.AND.LOC(1).GT.PRIORT)) GO TO 1495
      M=2
      LOC(2)=LOC(3)
      POINT(2)=POINT(3)
1495  CONTINUE
C*****
      DO 700 K=1,M
      TIME(K)=RTIME(K)
700   CONTINUE
      IF(RTIME(3).GT.(UPARMS(50)*2)) GO TO 402
      IF(RTIME(3).GT.UPARMS(50)) GO TO 403
      DO 601 K=1,M
      LK=LOC(K)
      TIME(K)=TIME(K)+TERMTO+TERSTA
      IF(IZ.EQ.SZH(LK)) TIME(K)=TIME(K)+INTRAT
      DIST(K)=INT(POINT(K),PVAR(2))/10.
      IF(DIST(K).GE. 0.1) WRITE(1,901) IZ,STA(LK),DIST(K),TIME(K)
      NODE(LK,USE(LK)+1)=IZ*(-1)
      NODE(LK,USE(LK)+2)=STA(LK)
      USE(LK)=USE(LK)+2
601   CONTINUE
      GO TO 2500
403   CONTINUE
      DO 602 K=1,M
      LK=LOC(K)
      TIME(K)=TIME(K)+TERMTO+TERSTA
      IF(IZ.EQ.SZH(LK)) TIME(K)=TIME(K)+INTRAT
      C=C+1
      DMNOD1=FBLANK+C
      IF(DMNOD1.GT.LBLANK) GO TO 999
      DIST(K)=(INT(POINT(K),PVAR(2))/20.+.05
      TIME(K)=(TIME(K)/2.+.05
      IF(DIST(K).GE. 0.1) WRITE(1,902) IZ,DMNOD1,DIST(K),TIME(K)
      IF(DIST(K).GE. 0.1) WRITE(1,901) DMNOD1,STA(LK),DIST(K),TIME(K)
      NODE(LK,USE(LK)+1)=IZ*(-1)
      NODE(LK,USE(LK)+2)=DMNOD1
      NODE(LK,USE(LK)+3)=STA(LK)
      USE(LK)=USE(LK)+3
602   CONTINUE
      GO TO 2500
402   CONTINUE
      DO 603 K=1,M
      LK=LOC(K)
      TIME(K)=TIME(K)+TERMTO+TERSTA
      IF(IZ.EQ.SZH(LK)) TIME(K)=TIME(K)+INTRAT
      C=C+3
      DMNOD1=FBLANK+C-2
      DMNOD2=FBLANK+C-1
      DMNOD3=FBLANK+C
      IF(DMNOD3.GT.LBLANK) GO TO 999

```

```

DIST(K)=(INT(POINT(K),PVAR(2))/40.)+.05
TIME(K)=(TIME(K)/4.)+.05
IF(DIST(K) .GE. 0.1) WRITE(1,902) IZ,DMNOD1,DIST(K),TIME(K)
IF(DIST(K) .GE. 0.1) WRITE(1,901) DMNOD1,DMNOD2,DIST(K),TIME(K)
IF(DIST(K) .GE. 0.1) WRITE(1,902) DMNOD2,DMNOD3,DIST(K),TIME(K)
IF(DIST(K) .GE. 0.1) WRITE(1,901) DMNOD3,STA(LK),DIST(K),TIME(K)
NODE(LK,USE(LK)+1)=IZ*(-1)
NODE(LK,USE(LK)+2)=DMNOD1
NODE(LK,USE(LK)+3)=DMNOD2
NODE(LK,USE(LK)+4)=DMNOD3
NODE(LK,USE(LK)+5)=STA(LK)
USE(LK)=USE(LK)+5
603  CONTINUE
GO TO 2500
999  CONTINUE
WRITE(6,950)
STOP
2500 IF(LZN.NE.IZ) RETURN1
LG=0
DO 2700 K=1,NOSTAT
WRITE(2,2601) STA(K),SZH(K)
M=USE(K)
IF(M.EQ.0) GO TO 2700
NST=1
2610 LG=LG+1
WRITE(2,98)
NEND=M
IF(NEND-NST.LT.200) GO TO 2616
NEND=NST+200
DO 2615 IJK=1,5
I=(NEND-IJK)+1
IF(NODE(K,I).GE.0) GO TO 2615
NEND=I-1
GO TO 2616
2615 CONTINUE
STOP 7
2616 NODE(K,NST)=IABS(NODE(K,NST))
WRITE(2,97) (NODE(K,LL),LL=NST,NEND)
WRITE(2,96)
NST=NEND+1
IF(NEND.NE.M) GO TO 2610
2700 CONTINUE
ENDFILE 1
ENDFILE 2
3000 CONTINUE
/*
/**-----

```

```

//KN630MSA JOB (5532931,5500,990807415),
//      'GFCC,813-882-4366',
//      MSGLEVEL=(1,1),NOTIFY=KN630MS,REGION=600K,
//      CLASS=A,MSGCLASS=Q,TIME=(5)
//*-----
//*      DSN=KN630MS.MIY86.CNTL(MODEPGM)
//*-----
//MODELOAD EXEC V87UCODE,COND=(0,NE),CLASS=Q,
//      LIB='KN630MS.MIY86.MODESPLT.LOAD',
//      NAME='UMODEL',VOLLIB='DSK6A8',UNITLIB='3380',
//      DISPLIB='(NEW,CATLG)',UNITSCR='3380',
//      SPACELI='(TRK,(40,5,1),RLSE)'
//USERCODE.SYSIN DD *
./ CHANGE LIST=ALL,NAME=UMODEL
./ NUMBER INSERT=YES,SEQ1=00329000,NEW1=00329001,INCR=1
C MOD13A *****
C
C DATA TYPE STATEMENTS
C
      REAL KIM(12,3,4)
      REAL AK(3),BK(3),CK(3),DK(3),EK(3)
      INTEGER ISTAT(100,6)
      REAL RSTAT(100,2)
      DOUBLE PRECISION DSTAT(100,2)
C
      INTEGER INZN
      REAL AOC
      REAL OC2WK,OC2NW,OC2NH
      REAL OC3WK,OC3NW,OC3NH
      REAL ASPPK,ASPM
      INTEGER SN1,SN2
      REAL KRAIL,KEBUS,PCNDA,PCNSR
      REAL PTNNW,PTNNH,RWCAP,RTCAP,RDFAC
C
      REAL DENOM,PRCWK,PRCNW,SHARE,TEMP
      REAL WK(12,2),WT(12,2),IVT(12,2),IMT(12,2)
      REAL PC(12,3),OC(12,3)
      REAL PRTR(4),MPTAB(12,4),PSUM(4),MSUM(12)
      REAL DU(12),FRAC(12),PONEN(12),SACC(100,30),TSACC(45)
      REAL PRATIO(100,2)
      REAL*8 MPTOT(12,4),ALL,AOP1,AOP2,AOP3,AOP4
C
      INTEGER I,M,N,P,V
      INTEGER M1,M2,M3,M4,M5,M6,M7,M8,M9,N1,N2,V1,V2,V3,V4
      INTEGER PER,PENTER,POOL2,POOL3,SN1,SN2,SNPKD,SNMDD,SNPKO,SNMDO
      INTEGER PARKDM(100,3),PPLMIN(100,2)
C
      DOUBLE PRECISION INAME(4),PNAM(4),MNAME(13)
      DATA INAME/'1ST INC','2ND INC','3RD INC','4TH INC'/
      DATA MNAME/'MODE 1','MODE 2','MODE 3','MODE 4',
& 'MODE 5','MODE 6','MODE 7','MODE 8',
& 'MODE 9','MODE 10','MODE 11','MODE 12','TOTAL '/
      DATA PNAME/'HBW ','HBNW ','NHB ','TOTAL'/
      DATA TSTATC,TDEM1,TDEM2,TDEM3/4*0/
C
C READ CONSTANTS
C
      COUNT=0
      POT=0
      DO 1 M=1,12

```

```

      READ(1,501) ((KIM(M,P,I),I=1,4),P=1,2),KIM(M,3,1)
501  FORMAT(7X,9F7.0)
      1  CONTINUE
C
      DO 3 M=1,12
      DO 2 I=2,4
      KIM(M,3,I)=KIM(M,3,1)
      2  CONTINUE
      3  CONTINUE
C
C READ COEFFICIENTS
C
      DO 11 P=1,3
      READ(2,511) AK(P),BK(P),CK(P),DK(P),EK(P)
511  FORMAT(7X,5F7.0)
      11  CONTINUE
C
C READ STATION DATA
C
      SN1=UPARMS(11)
      SN2=UPARMS(12)
      DO 21 N=1,SN2
      READ(3,521) (ISTAT(N,V),V=1,6),(RSTAT(N,V),V=1,2),
      & (DSTAT(N,V),V=1,2)
521  FORMAT(6I5,2F5.0,2A8)
      21  CONTINUE
C
C WRITE USER-CODED PARAMETERS
C
      WRITE(6,531)
531  FORMAT('MIAMI URBAN TRANSPORTATION PLANNING',/,
      & ' MODE CHOICE MODEL',//,' USER-CODED PARAMETERS (UPARMS)',//)
C
      INZN = UPARMS(1)
      WRITE(6,532) INZN
532  FORMAT('NUMBER OF INTERNAL ZONES = ',I4,/)
C
      AOC = UPARMS(2)
      WRITE(6,533) AOC
533  FORMAT('AUTO OPERATING COST = ',F5.2,' CENTS/MILE',/)
C
      OC2WK = UPARMS(3)
      WRITE(6,534) OC2WK
534  FORMAT('02+ CARPOOL OCCUPANCY, HBW = ',F5.2,' PERSONS')
C
      OC2NW = UPARMS(4)
      WRITE(6,535) OC2NW
535  FORMAT('02+ CARPOOL OCCUPANCY, HBNW = ',F5.2,' PERSONS')
C
      OC2NH = UPARMS(5)
      WRITE(6,536) OC2NH
536  FORMAT('02+ CARPOOL OCCUPANCY, NHB = ',F5.2,' PERSONS')
C
      OC3WK = UPARMS(6)
      WRITE(6,537) OC3WK
537  FORMAT('03+ CARPOOL OCCUPANCY, HBW = ',F5.2,' PERSONS')
C
      OC3NW = UPARMS(7)
      WRITE(6,538) OC3NW
538  FORMAT('03+ CARPOOL OCCUPANCY, HBNW = ',F5.2,' PERSONS')

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```

C      OC3NH = UPARMS(8)
      WRITE(6,539) OC3NH
539   FORMAT('03+ CARPOOL OCCUPANCY, NHB = ',F5.2,' PERSONS',/)
C
      ASPPK = UPARMS(9)
      WRITE(6,540) ASPPK
540   FORMAT('O AVERAGE AUTO ACCESS SPEED, PEAK = ',F5.2,' MPH')
C
      ASPMD = UPARMS(10)
      WRITE(6,541) ASPMD
541   FORMAT('O AVERAGE AUTO ACCESS SPEED, MIDDAY = ',F5.2,' MPH',/)
C UPARMS(11)
      WRITE(6,542) SN1
542   FORMAT('O HIGHEST METRORAIL STATION NUMBER = ',I5)
C UPARMS(12)
      WRITE(6,543) SN2
543   FORMAT('O HIGHEST EXPRESS BUS STOP NUMBER = ',I5,/)
C
      KRAIL = UPARMS(13)
      WRITE(6,544) KRAIL
544   FORMAT('O P-N-R MODE CONSTANT ADJUSTMENT, METRORAIL = ',F7.4)
C
      KEBUS = UPARMS(14)
      WRITE(6,545) KEBUS
545   FORMAT('O P-N-R MODE CONSTANT ADJUSTMENT, EXP. BUS = ',F7.4,/)
C
      PTNNW = UPARMS(15)
      WRITE(6,546) PTNNW
546   FORMAT('O P-N-R LOT TURNOVER RATE, HBNW = ',F7.4)
C
      PTNNH = UPARMS(16)
      WRITE(6,547) PTNNH
547   FORMAT('O P-N-R LOT TURNOVER RATE, NHB = ',F7.4,/)
C UPARMS(91)
      POOL2 = 40
      POOL3 = 40
      IF (UPARMS(91) .GT. 1.0) GOTO 31
      WRITE (6,548) UPARMS(91)
548   FORMAT('OUPARMS(91)=',F3.1,' SO, NO HOV LANES')
      31 CONTINUE
      IF (UPARMS(91) .NE. 2.0) GOTO 32
      WRITE (6,549) UPARMS(91)
549   FORMAT('OUPARMS(91)=',F3.1,
      & ' SO, 2 OR 3+ CARPOOLS CAN USE HOV LANES')
      POOL2 = 50
      POOL3 = 50
      32 CONTINUE
      IF (UPARMS(91) .NE. 3.0) GOTO 33
      WRITE (6,550) UPARMS(91)
550   FORMAT('OUPARMS(91)=',F3.1,
      & ' SO, ONLY 3+ CARPOOLS CAN USE HOV LANES')
      POOL3 = 50
      33 CONTINUE
      RDFAC=UPARMS(92)
      WRITE(6,560) RDFAC
560   FORMAT(' ', ' FACTOR FOR INTERNAL ROUNDING',F7.2/)
C
C WRITE CONSTANTS
C

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```

DO 47 I=1,4
WRITE(6,561)
561 FORMAT('1MIAMI URBAN TRANSPORTATION PLANNING',/,
& ' MODE CHOICE MODEL',//,' LOGIT EQUATION CONSTANTS')
WRITE(6,562) INAME(I)
562 FORMAT(//,1X,A8)
C
WRITE(6,563) (MNAME(M),M=1,3)
563 FORMAT(/,16X,A8,2(6X,A8),/,1X,51(' - '))
DO 42 P = 1,3
WRITE(6,564) PNAME(P), (KIM(M,P,I),M=1,3)
564 FORMAT(1X,A8,1X,3F14.4)
42 CONTINUE
C
WRITE(6,565) MNAME(4)
565 FORMAT(///,15X,A8,/,1X,23(' - '))
DO 43 P = 1,3
WRITE(6,566) PNAME(P), (KIM(4,P,I))
566 FORMAT(1X,A8,1X,F14.4)
43 CONTINUE
C
WRITE(6,567) MNAME(5),MNAME(6)
567 FORMAT(///,15X,A8,6X,A8,/,1X,36(' - '))
DO 44 P = 1,3
WRITE(6,568) PNAME(P), (KIM(M,P,I),M=5,6)
568 FORMAT(1X,A8,2F14.4)
44 CONTINUE
C
WRITE(6,569) (MNAME(M),M=7,10)
569 FORMAT(///,15X,A8,3(6X,A8),/,1X,64(' - '))
DO 45 P = 1,3
WRITE(6,570) PNAME(P), (KIM(M,P,I),M=7,10)
570 FORMAT(1X,A8,4F14.4)
45 CONTINUE
C
WRITE(6,571) MNAME(11),MNAME(12)
571 FORMAT(///,15X,A8,6X,A8,/,1X,36(' - '))
DO 46 P = 1,3
WRITE(6,572) PNAME(P), (KIM(M,P,I),M=11,12)
572 FORMAT(1X,A8,2F14.4)
46 CONTINUE
WRITE(6,573)
573 FORMAT(//,
& ' MODE 1 = DRIVE ALONE',/,
& ' MODE 2 = 2 PERSON CARPOOL',/,
& ' MODE 3 = 3+ PERSON CARPOOL',/,
& ' MODE 4 = LOCAL BUS',/,
& ' MODE 5 = LINE-HAUL, WALK/LOCAL BUS ACCESS, METRORAIL ',/,
& ' MODE 6 = LINE-HAUL, WALK/LOCAL BUS ACCESS, EXPRESS BUS',/)
WRITE(6,574)
574 FORMAT(
& ' MODE 7 = LINE-HAUL, P/R ACCESS, METRORAIL, DRIVE ALONE ',/,
& ' MODE 8 = LINE-HAUL, P/R ACCESS, METRORAIL, SHARED RIDE ',/,
& ' MODE 9 = LINE-HAUL, P/R ACCESS, EXP. BUS, DRIVE ALONE ',/,
& ' MODE 10 = LINE-HAUL, P/R ACCESS, EXP. BUS, SHARED RIDE ',/,
& ' MODE 11 = LINE-HAUL, K/R ACCESS, METRORAIL ',/,
& ' MODE 12 = LINE-HAUL, K/R ACCESS, EXPRESS BUS')
47 CONTINUE
C
C WRITE COEFFICIENTS

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C
    WRITE(6,581)
581  FORMAT('1MIAMI URBAN TRANSPORTATION PLANNING',/,
    & ' MODE CHOICE MODEL',/,/,
    & ' LOGIT EQUATION COEFFICIENTS',/,/,
    & 18X,'AK          BK          CK          DK          EK',/,1X,63('-'))
    DO 51 P=1,3
    WRITE(6,582) PNAM(P),AK(P),BK(P),CK(P),DK(P),EK(P)
582  FORMAT(1X,A8,2X,5F10.4)
    51  CONTINUE

C
C WRITE STATION DATA
C
    WRITE(6,583)
583  FORMAT('1MIAMI URBAN TRANSPORTATION PLANNING',/,
    & ' MODE CHOICE MODEL',/,/, ' STATION DATA',/,/,
    & 5X,'V1',4X,'V2',4X,'V3',4X,'V4',4X,'V5',4X,'V6',4X,'V7',
    & 4X,'V8',9X,'V9',/,3X,64('-'))
    DO 52 N=1,SN2
    WRITE(6,584) (ISTAT(N,V),V=1,6),(RSTAT(N,1),V=1,2),
    & (DSTAT(N,V),V=1,2)
584  FORMAT(1X,6(2X,I4),2(2X,F4.2),2X,2A8)
    52  CONTINUE
    WRITE(6,585)
585  FORMAT(/,
    & '          V1 = STATION NUMBER',/,
    & '          V2 = STATION NODE NUMBER',/,
    & '          V3 = STATION ZONE NUMBER',/,
    & '          V4 = PARK-RIDE LOT CAPACITY ',/,
    & '          V5 = LONG TERM PARKING COST (9 HOUR, CENTS)',/,
    & '          V6 = SHORT TERM PARKING COST (3 HOUR, CENTS)',/,
    & '          V7 = WALK TIME; P/R LOT TO STATION ',/,
    & '          V8 = WALK TIME; K/R LOT TO STATION ',/,
    & '          V9 = STATION NAME')

C
./ NUMBER INSERT=YES,SEQ1=00349000,NEW1=00349001,INCR=1
C MOD13B*****
C
C HIGHWAY TERMINAL TIME, ATTRACTION END
C
    DO 71 I=1,ZONES
    Z(5,I) = Z(4,I)
    71  CONTINUE

C
./ NUMBER INSERT=YES,SEQ1=00399000,NEW1=00399001,INCR=1
C MOD13C*****
C
C INITIALIZATION
C
    DO 81 M=1,12
    DO 81 P=1,4
    MSUM(M)=0.
    PSUM(P)=0.
    MPTOT(M,P) = 0.
    81  CONTINUE

C
    ALL = 0.

C
    DO 82 N=1,SN2
    DO 82 V=1,30

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      SACC(N,V) = 0.0
82  CONTINUE
C
      DO 83 M=1,45
      TSACC(M) = 0.0
83  CONTINUE
C
./ NUMBER INSERT=YES,SEQ1=00442000,NEW1=00442001,INCR=1
C MOD13E*****
C
C PERSON TRIP BY PURPOSE
C
      PRTR(4)=0.0
      DO 91 P=1,3
      PRTR(P) = X(P)
      PRTR(4)= PRTR(4) + X(P)
91  CONTINUE
      ALL = ALL + PRTR(4)
C
C PERSON TRIP BY MODE AND BY PURPOSE
C
      DO 101 M=1,12
      DO 101 P=1,4
      MPTAB(M,P)=0.0
101  CONTINUE
C
C EXTERNAL ZONES
C
      IF((IZ.GT.INZN) .OR. (JZ.GT.INZN)) GOTO 102
      GOTO 104
102  CONTINUE
      DO 103 P=1,3
      MPTAB(1,P)=PRTR(P)
      MPTAB(1,4)=MPTAB(1,4)+MPTAB(1,P)
103  CONTINUE
      GOTO 9999
104  CONTINUE
C
C WALK TIME, WK(MODE,PERIOD)
C
C PEAK PERIOD (HBW)
      WK(1,1) = X(47) + X(48)
      WK(2,1) = WK(1,1)
      WK(3,1) = WK(1,1)
      WK(4,1) = X(5)
      WK(5,1) = X(9)
      WK(6,1) = X(9)
      SNPKD= X(21)
      SNPKO= X(51)
      WK(7,1) = X(15) + RSTAT(SNPKD,1)
      WK(8,1) = X(15) + RSTAT(SNPKD,1)
      WK(9,1) = X(15) + RSTAT(SNPKD,1)
      WK(10,1) = X(15) + RSTAT(SNPKD,1)
      WK(11,1) = X(15) + RSTAT(SNPKD,2)
      WK(12,1) = X(15) + RSTAT(SNPKD,2)
C MIDDAY PERIOD (HBNW & NHB)
      WK(1,2) = X(47) + X(48)
      WK(2,2) = WK(1,2)
      WK(3,2) = WK(1,2)
      WK(4,2) = X(23)

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      WK(5,2) = X(27)
      WK(6,2) = X(27)
      SNMDD= X(39)
      SNMDO= X(52)
      WK(7,2) = X(33) + RSTAT(SNMDD,1)
      WK(8,2) = X(33) + RSTAT(SNMDD,1)
      WK(9,2) = X(33) + RSTAT(SNMDD,1)
      WK(10,2) = X(33) + RSTAT(SNMDD,1)
      WK(11,2) = X(33) + RSTAT(SNMDD,2)
      WK(12,2) = X(33) + RSTAT(SNMDD,2)

C
C WAIT TIME, WT(MODE,PERIOD)
C
C PEAK PERIOD (HBW)
      WT(1,1) = 0.
      WT(2,1) = 0.
      WT(3,1) = 0.
      WT(4,1) = X(6)
      WT(5,1) = X(10)
      WT(6,1) = X(10)
      WT(7,1) = X(16)
      WT(8,1) = X(16)
      WT(9,1) = X(16)
      WT(10,1) = X(16)
      WT(11,1) = X(16)
      WT(12,1) = X(16)
C MIDDAY PERIOD (HBNW & NHB)
      WT(1,2) = 0.
      WT(2,2) = 0.
      WT(3,2) = 0.
      WT(4,2) = X(24)
      WT(5,2) = X(28)
      WT(6,2) = X(28)
      WT(7,2) = X(34)
      WT(8,2) = X(34)
      WT(9,2) = X(34)
      WT(10,2) = X(34)
      WT(11,2) = X(34)
      WT(12,2) = X(34)

C
C IN-VEHICLE TIME, IVT(MODE,PERIOD)
C
C PEAK PERIOD (HBW)
      IVT(1,1) = X(40)
      IVT(2,1) = X(POOL2)
      IVT(3,1) = X(POOL3)
      IVT(4,1) = X(7)
      IVT(5,1) = X(11) + X(12)
      IVT(6,1) = X(11) + X(13)
      IVT(7,1) = X(17) + X(18) + X(20)
      IVT(8,1) = X(17) + X(18) + X(20)
      IVT(9,1) = X(17) + X(19) + X(20)
      IVT(10,1) = X(17) + X(19) + X(20)
      IVT(11,1) = X(17) + X(18) + X(20)
      IVT(12,1) = X(17) + X(19) + X(20)
C MIDDAY PERIOD (HBNW & NHB)
      IVT(1,2) = X(42)
      IVT(2,2) = X(42)
      IVT(3,2) = X(42)
      IVT(4,2) = X(25)

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```

        IMT(9,2) = X(37)
        IMT(10,2) = X(37)
        IMT(12,2) = X(37)
        GOTO 134
132    IMT(7,2) = 0.0
        IMT(8,2) = 0.0
        IMT(9,2) = 0.0
        IMT(10,2) = 0.0
        IMT(11,2) = 0.0
        IMT(12,2) = 0.0
        GOTO 134
133    IMT(9,2) = 0.0
        IMT(10,2) = 0.0
        IMT(12,2) = 0.0
134    CONTINUE
C
C PARKING COST, PC(MODE,PURPOSE)
C
C AUTO MODES
139    PC(1,1) = X(45)/2.
        PC(1,2) = X(46)/2.
        PC(1,3) = X(46)
        PC(2,1) = PC(1,1)/2.
        PC(2,2) = PC(1,2)/2.
        PC(2,3) = PC(1,3)/2.
        PC(3,1) = PC(1,1)/OC3WK
        PC(3,2) = PC(1,2)/OC3NW
        PC(3,3) = PC(1,3)/OC3NH
C TRANSIT MODES
        DO 141 M=4,12
        DO 141 P=1,3
        PC(M,P) = 0.
141    CONTINUE
        IF(X(20).LT.0.1) GOTO 142
        PRCWK = ISTAT(SNPKD,5)
        PC(7,1) = PRCWK/2.
        PC(8,1) = PC(7,1)/OC2WK
        PC(9,1) = PRCWK/2.
        PC(10,1) = PC(9,1)/OC2WK
142    CONTINUE
        IF(X(38).LT.0.1) GOTO 144
        PRCNW = ISTAT(SNMDD,6)
        PC(7,2) = PRCNW/2.
        PC(7,3) = PC(7,2)
        PC(8,2) = PC(7,2)/OC2NW
        PC(8,3) = PC(7,2)/OC2NH
        PC(9,2) = PRCNW/2.
        PC(9,3) = PC(9,2)
        PC(10,2) = PC(9,2)/OC2NW
        PC(10,3) = PC(9,2)/OC2NH
144    CONTINUE
C
C PARKING AVAILABILITY CHECK
C
        IF(ISTAT(SNPKD,4).GT.1) GOTO 147
        IMT(7,1)=0.0
        IMT(8,1)=0.0
        IMT(9,1)=0.0
        IMT(10,1)=0.0
        IMT(7,2)=0.0

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```

      IVT(5,2) = X(29) + X(30)
      IVT(6,2) = X(29) + X(31)
      IVT(7,2) = X(35) + X(36) + X(38)
      IVT(8,2) = X(35) + X(36) + X(38)
      IVT(9,2) = X(35) + X(37) + X(38)
      IVT(10,2) = X(35) + X(37) + X(38)
      IVT(11,2) = X(35) + X(36) + X(38)
      IVT(12,2) = X(35) + X(37) + X(38)
C
C IN-MODE TIME, IMT(MODE,PERIOD)
C
C PEAK PERIOD (HBW)
      IMT(1,1) = X(40)
      IMT(2,1) = X(POOL2)
      IMT(3,1) = X(POOL3)
      IMT(4,1) = X(7)
      IMT(5,1) = X(12)
      IF(X(12).GT.0.0) GOTO 120
      IMT(6,1) = X(13)
      GOTO 121
120  CONTINUE
      IMT(6,1) = 0.0
121  CONTINUE
      IF(X(20).LT.0.1) GOTO 122
      IMT(7,1) = X(18)
      IMT(8,1) = X(18)
      IMT(11,1) = X(18)
      IF(X(18).GT.0.0) GOTO 123
      IMT(9,1) = X(19)
      IMT(10,1) = X(19)
      IMT(12,1) = X(19)
      GOTO 124
122  IMT(7,1) = 0.0
      IMT(8,1) = 0.0
      IMT(9,1) = 0.0
      IMT(10,1) = 0.0
      IMT(11,1) = 0.0
      IMT(12,1) = 0.0
      GOTO 124
123  IMT(9,1) = 0.0
      IMT(10,1) = 0.0
      IMT(12,1) = 0.0
124  CONTINUE
C MIDDAY PERIOD (HBNW & NHB)
      IMT(1,2) = X(42)
      IMT(2,2) = X(42)
      IMT(3,2) = X(42)
      IMT(4,2) = X(25)
      IMT(5,2) = X(30)
      IF(X(30).GT.0.0) GOTO 130
      IMT(6,2) = X(31)
      GOTO 131
130  CONTINUE
      IMT(6,2) = 0.0
131  CONTINUE
      IF(X(38).LT.0.1) GOTO 132
      IMT(7,2) = X(36)
      IMT(8,2) = X(36)
      IMT(11,2) = X(36)
      IF(X(36).GT.0.0) GOTO 133

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```

      IMT(8,2)=0.0
      IMT(9,2)=0.0
      IMT(10,2)=0.0
147  CONTINUE
C
C OTHER COST, OC(MODE,PURPOSE)
C
C AUTO MODES
      OC(1,1) = AOC * X(41)/10.
      OC(1,2) = AOC * X(43)/10.
      OC(1,3) = AOC * X(43)/10.
      OC(2,1) = OC(1,1)/2.
      OC(2,2) = OC(1,2)/2.
      OC(2,3) = OC(1,3)/2.
      OC(3,1) = OC(1,1)/OC3WK
      OC(3,2) = OC(1,2)/OC3NW
      OC(3,3) = OC(1,3)/OC3NH
C TRANSIT MODES
      OC(4,1) = X(4)
      OC(4,2) = X(22)
      OC(4,3) = X(22)
      OC(5,1) = X(8)
      OC(5,2) = X(26)
      OC(5,3) = X(26)
      OC(6,1) = X(8)
      OC(6,2) = X(26)
      OC(6,3) = X(26)
      OC(7,1) = X(14) + (X(20)/60.)*ASPPK*AOC
      OC(7,2) = X(32) + (X(38)/60.)*ASPMO*AOC
      OC(7,3) = X(32) + (X(38)/60.)*ASPMO*AOC
      OC(8,1) = X(14) + (X(20)/60.)*ASPPK*AOC/OC2WK
      OC(8,2) = X(32) + (X(38)/60.)*ASPMO*AOC/OC2NW
      OC(8,3) = X(32) + (X(38)/60.)*ASPMO*AOC/OC2NH
      OC(9,1) = OC(7,1)
      OC(9,2) = OC(7,2)
      OC(9,3) = OC(7,3)
      OC(10,1) = OC(8,1)
      OC(10,2) = OC(8,2)
      OC(10,3) = OC(8,3)
      OC(11,1) = X(14) + (X(20)/60.)*ASPPK*AOC*2.0
      OC(11,2) = X(32) + (X(38)/60.)*ASPMO*AOC*2.0
      OC(11,3) = X(32) + (X(38)/60.)*ASPMO*AOC*2.0
      OC(12,1) = OC(11,1)
      OC(12,2) = OC(11,2)
      OC(12,3) = OC(11,3)
C
C MODE CHOICE CALCULATIONS FOR EACH PURPOSE
C
      I=X(49)
      IF(I.EQ.0.OR.I.GT.4) I=2
C
      DO 9998 P=1,3
      PER = 1
      IF(P.GE.2) PER = 2
      DO 152 M=1,12
      IF(IMT(M,PER).LT.0.1) GOTO 151
      DU(M) = AK(P) * WK(M,PER)
      & + BK(P) * WT(M,PER)
      & + CK(P) * IVT(M,PER)
      & + DK(P) * PC(M,P)

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&      + EK(P) * OC(M,P)
&      + KIM(M,P,I)
      IF((DU(M).LT.174.).AND.(DU(M).GT.-174.)) GOTO 152
      WRITE(6,671) DU(M),IZ,JZ,M,P
671  FORMAT( 'DU(M)=' ,F6.2, ' IZ=' ,I4, ' JZ=' ,I4, ' M=' ,I4, ' P=' ,I4,/,
&      ' RESET')
      IF(DU(M).GT. 174.) DU(M) = 174.
      IF(DU(M).LT. -174.) DU(M) = -174.
      GOTO 152
151  CONTINUE
      DU(M) = 174.
152  CONTINUE
C
C      INTRAZONAL PATHS ARE ASSUMED ALL WALK
C
      IF(IZ.NE.JZ) GOTO 707
      DU(1)=0.01
707  CONTINUE
C
C      SUB MODAL SPLIT, DETERMINE % SR & % DA
C
      PCNDA = 0.0
      PCNSR = 0.0
      IF(IMT(7,PER).LT.0.1) GOTO 153
      PCNDA = EXP((-1)*DU(7))/(EXP((-1)*DU(7))+EXP((-1)*DU(8)))
      PCNSR = 1.0 - PCNDA
      DU(7) = DU(7)*PCNDA + DU(8)*PCNSR + KRAIL
      DU(8) = 174.0
      GOTO 154
153  CONTINUE
      IF(IMT(9,PER).LT.0.1) GOTO 154
      PCNDA = EXP((-1)*DU(9))/(EXP((-1)*DU(9))+EXP((-1)*DU(10)))
      PCNSR = 1.0 - PCNDA
      DU(9) = DU(9)*PCNDA + DU(10)*PCNSR + KEBUS
      DU(10) = 174.0
154  CONTINUE
C
      DENOM = 0.0
      DO 155 M=1,12
      PONEN(M) = EXP((-1.) * DU(M))
155  DENOM = DENOM + PONEN(M)
      DO 156 M=1,12
      SHARE = PONEN(M)/DENOM
      MPTAB(M,P) = SHARE * PRTR(P)
      IF(MPTAB(M,P).GT.0.AND.IMT(M,PER).LT.0.1) MPTAB(M,P)=0.0
      MPTAB(M,P)=MPTAB(M,P)*RDFAC
156  CONTINUE
C
      MPTAB(7,P) = MPTAB(7,P) * PCNDA
      MPTAB(8,P) = MPTAB(7,P) * PCNSR
      MPTAB(9,P) = MPTAB(9,P) * PCNDA
      MPTAB(10,P) = MPTAB(9,P) * PCNSR
C
9998  CONTINUE
C
C      TRIPS FOR EACH MODE
C
      DO 157 M=1,12
      DO 157 P=1,3
      MPTAB(M,4) = MPTAB(M,4) + MPTAB(M,P)

```

157 CONTINUE

C

9999 CONTINUE

C

C STATION ACCESS SUMMARY

C

C HBW, METRORAIL

IF(SNPKO.NE.0) SACC(SNPKO,1) = SACC(SNPKO,1) + MPTAB(5,1)
IF(SNPKD.NE.0) SACC(SNPKD,2) = SACC(SNPKD,2) + MPTAB(7,1)
IF(SNPKD.NE.0) SACC(SNPKD,3) = SACC(SNPKD,3) + MPTAB(8,1)
IF(SNPKD.NE.0) SACC(SNPKD,4) = SACC(SNPKD,4) + MPTAB(11,1)
SACC(SNPKD,5) = SACC(SNPKD,1) + SACC(SNPKD,2) +
& SACC(SNPKD,3) + SACC(SNPKD,4)
SACC(SNPKO,5) = SACC(SNPKO,1) + SACC(SNPKO,2) +
& SACC(SNPKO,3) + SACC(SNPKO,4)

C HBW, EXPRESS BUS

IF(SNPKO.NE.0) SACC(SNPKO,6) = SACC(SNPKO,6) + MPTAB(6,1)
IF(SNPKD.NE.0) SACC(SNPKD,7) = SACC(SNPKD,7) + MPTAB(9,1)
IF(SNPKD.NE.0) SACC(SNPKD,8) = SACC(SNPKD,8) + MPTAB(10,1)
IF(SNPKD.NE.0) SACC(SNPKD,9) = SACC(SNPKD,9) + MPTAB(12,1)
SACC(SNPKD,10) = SACC(SNPKD,6) + SACC(SNPKD,7) +
& SACC(SNPKD,8) + SACC(SNPKD,9)
SACC(SNPKO,10) = SACC(SNPKO,6) + SACC(SNPKO,7) +
& SACC(SNPKO,8) + SACC(SNPKO,9)

C HBNW, METRORAIL

IF(SNMDO.NE.0) SACC(SNMDO,11) = SACC(SNMDO,11) + MPTAB(5,2)
IF(SNMDD.NE.0) SACC(SNMDD,12) = SACC(SNMDD,12) + MPTAB(7,2)
IF(SNMDD.NE.0) SACC(SNMDD,13) = SACC(SNMDD,13) + MPTAB(8,2)
IF(SNMDD.NE.0) SACC(SNMDD,14) = SACC(SNMDD,14) + MPTAB(11,2)
SACC(SNMDD,15) = SACC(SNMDD,11) + SACC(SNMDD,12) +
& SACC(SNMDD,13) + SACC(SNMDD,14)
SACC(SNMDO,15) = SACC(SNMDO,11) + SACC(SNMDO,12) +
& SACC(SNMDO,13) + SACC(SNMDO,14)

C HBNW, EXPRESS BUS

IF(SNMDO.NE.0) SACC(SNMDO,16) = SACC(SNMDO,16) + MPTAB(6,2)
IF(SNMDD.NE.0) SACC(SNMDD,17) = SACC(SNMDD,17) + MPTAB(9,2)
IF(SNMDD.NE.0) SACC(SNMDD,18) = SACC(SNMDD,18) + MPTAB(10,2)
IF(SNMDD.NE.0) SACC(SNMDD,19) = SACC(SNMDD,19) + MPTAB(12,2)
SACC(SNMDD,20) = SACC(SNMDD,16) + SACC(SNMDD,17) +
& SACC(SNMDD,18) + SACC(SNMDD,19)
SACC(SNMDO,20) = SACC(SNMDO,16) + SACC(SNMDO,17) +
& SACC(SNMDO,18) + SACC(SNMDO,19)

C NHB, METRORAIL

IF(SNMDO.NE.0) SACC(SNMDO,21) = SACC(SNMDO,21) + MPTAB(5,3)
IF(SNMDD.NE.0) SACC(SNMDD,22) = SACC(SNMDD,22) + MPTAB(7,3)
IF(SNMDD.NE.0) SACC(SNMDD,23) = SACC(SNMDD,23) + MPTAB(8,3)
IF(SNMDD.NE.0) SACC(SNMDD,24) = SACC(SNMDD,24) + MPTAB(11,3)
SACC(SNMDD,25) = SACC(SNMDD,21) + SACC(SNMDD,22) +
& SACC(SNMDD,23) + SACC(SNMDD,24)
SACC(SNMDO,25) = SACC(SNMDO,21) + SACC(SNMDO,22) +
& SACC(SNMDO,23) + SACC(SNMDO,24)

C NHB, EXPRESS BUS

IF(SNMDO.NE.0) SACC(SNMDO,26) = SACC(SNMDO,26) + MPTAB(6,3)
IF(SNMDD.NE.0) SACC(SNMDD,27) = SACC(SNMDD,27) + MPTAB(9,3)
IF(SNMDD.NE.0) SACC(SNMDD,28) = SACC(SNMDD,28) + MPTAB(10,3)
IF(SNMDD.NE.0) SACC(SNMDD,29) = SACC(SNMDD,29) + MPTAB(12,3)
SACC(SNMDD,30) = SACC(SNMDD,26) + SACC(SNMDD,27) +
& SACC(SNMDD,28) + SACC(SNMDD,29)
SACC(SNMDO,30) = SACC(SNMDO,26) + SACC(SNMDO,27) +
& SACC(SNMDO,28) + SACC(SNMDO,29)

```

C
C OUTPUT TRIP TABLES
C
      DO 171 P=1,3
      PNTER = 12*(P-1)
      TABSO(PNTER+1)=MPTAB(1,P)
      TABSO(PNTER+2)=MPTAB(2,P)
      TABSO(PNTER+3)=MPTAB(3,P)
      TABSO(PNTER+4)=MPTAB(4,P)
      TABSO(PNTER+5)=MPTAB(5,P)
      TABSO(PNTER+6)=MPTAB(6,P)
      TABSO(PNTER+7)=MPTAB(7,P)
      TABSO(PNTER+8)=MPTAB(8,P)
      TABSO(PNTER+9)=MPTAB(9,P)
      TABSO(PNTER+10)=MPTAB(10,P)
      TABSO(PNTER+11)=MPTAB(11,P)
      TABSO(PNTER+12)=MPTAB(12,P)
171  CONTINUE
C
C TRIPS BY MODE AND BY PURPOSE
C
      DO 181 M=1,12
      DO 181 P=1,4
181  MPTOT(M,P) = MPTOT(M,P) + MPTAB(M,P)
C
C TRIP END SUMMARIES
C
      DO 191 P=1,4
      TETAB(1,P) = MPTAB(1,P) + MPTAB(2,P) + MPTAB(3,P)
      TETAB(2,P) = MPTAB(4,P)
      TETAB(3,P) = MPTAB(5,P) + MPTAB(6,P) + MPTAB(7,P) + MPTAB(8,P)
      & + MPTAB(9,P) + MPTAB(10,P) + MPTAB(11,P) + MPTAB(12,P)
191  CONTINUE
C
      DO 193 P=1,4
      TEMP = 0.0
      DO 192 M=1,12
      TEMP = TEMP + MPTAB(M,P)
192  CONTINUE
      TEPERS(P) = TEMP
193  CONTINUE
C
./ NUMBER INSERT=YES,SEQ1=00460000,NEW1=00460001,INCR=1
C MOD13F*****
C
C WRITE MODE CHOICE SUMMARY
C
      DO 201 P=1,3
      DO 201 M=1,12
      PSUM(P) = PSUM(P) + MPTOT(M,P)
201  CONTINUE
C
      DO 202 M=1,12
      DO 202 P=1,3
      MSUM(M) = MSUM(M) + MPTOT(M,P)
202  CONTINUE
C
      DO 203 P=1,3
      PSUM(4) = PSUM(4) + PSUM(P)
203  CONTINUE

```


C

```

      WRITE(6,781)
781  FORMAT('1MIAMI URBAN TRANSPORTATION PLANNING',/,
    & ' MODE CHOICE MODEL',/,/,
    & ' PERSON TRIPS BY MODE AND BY PURPOSE',/))
      WRITE(6,782) (MNAME(M),M=1,13)
782  FORMAT(11X,12(1X,A7,1X),3X,A7,/,1X,127('-'))
      DO 212 P = 1,3
      WRITE(6,783) PNAME(P),(MPTOT(M,P),M=1,12),PSUM(P)
      DO 211 M = 1,12
      FRAC(M) = MPTOT(M,P)/PSUM(P)
211  CONTINUE
      WRITE(6,784) (FRAC(M),M=1,12)
212  CONTINUE
      WRITE(6,783) PNAME(4),(MSUM(M),M=1,12),PSUM(4)
      DO 213 M = 1,12
      FRAC(M) = MSUM(M)/PSUM(4)
213  CONTINUE
      WRITE(6,784) (FRAC(M),M=1,12)
783  FORMAT(1X,A8,1X,13F9.0)
784  FORMAT(10X,12F9.4,/)
      AOP1 = (MPTOT(1,1)+MPTOT(2,1)+MPTOT(3,1))/
    & (MPTOT(1,1)+MPTOT(2,1)/2.+MPTOT(3,1)/OC3WK)
      AOP2 = (MPTOT(1,2)+MPTOT(2,2)+MPTOT(3,2))/
    & (MPTOT(1,2)+MPTOT(2,2)/2.+MPTOT(3,2)/OC3NW)
      AOP3 = (MPTOT(1,3)+MPTOT(2,3)+MPTOT(3,3))/
    & (MPTOT(1,3)+MPTOT(2,3)/2.+MPTOT(3,3)/OC3NH)
      AOP4 = (MSUM(1)+MSUM(2)+MSUM(3))/
    & (MSUM(1)+MSUM(2)/2.+MPTOT(3,1)/OC3WK
    & +MPTOT(3,2)/OC3NW +MPTOT(3,3)/OC3NH)
      WRITE(6,785) ALL,
    & PNAME(1),AOP1,
    & PNAME(2),AOP2,
    & PNAME(3),AOP3,
    & PNAME(4),AOP4
785  FORMAT(//,1X,F15.0,' TRIPS INPUT TO THE MODEL',///,
    & ' PURPOSE',4X,'VEHICLE OCCUPANCY',/,
    & 4(1X,A8,1X,'=',F15.4,/,),///,
    & ' MODE 1 = DRIVE ALONE',/,
    & ' MODE 2 = 2 PERSON CARPOOL',/,
    & ' MODE 3 = 3+ PERSON CARPOOL',/,
    & ' MODE 4 = LOCAL BUS',/,
    & ' MODE 5 = LINE-HAUL, WALK/LOCAL BUS ACCESS, METRORAIL ',/,
    & ' MODE 6 = LINE-HAUL, WALK/LOCAL BUS ACCESS, EXPRESS BUS',/,
    & ' MODE 7 = LINE-HAUL, P/R ACCESS, METRORAIL, DRIVE ALONE ',/,
    & ' MODE 8 = LINE-HAUL, P/R ACCESS, METRORAIL, SHARED RIDE ',/,
    & ' MODE 9 = LINE-HAUL, P/R ACCESS, EXP. BUS, DRIVE ALONE ',/,
    & ' MODE 10 = LINE-HAUL, P/R ACCESS, EXP. BUS, SHARED RIDE ',/,
    & ' MODE 11 = LINE-HAUL, K/R ACCESS, METRORAIL ',/,
    & ' MODE 12 = LINE-HAUL, K/R ACCESS, EXPRESS BUS')

```

C

C DIVIDE STATION ACCESS TOTALS BY 2, ONE DIRECTIONAL P & A FORMAT

C

```

      DO 333 K=1,SN2
      DO 334 J=1,30
      SACC(K,J)=SACC(K,J)/2.0
334  CONTINUE
333  CONTINUE

```

C

C WRITE STATION ACCESS SUMMARY

C

```

DO 226 P=1,3
PNTER = 10 * (P-1)
M1 = 1 + PNTER
M2 = 5 + PNTER
M3 = 6 + PNTER
M4 = 10 + PNTER
M5 = 31 + PNTER/2
M6 = 35 + PNTER/2
N1 = SN1 + 1
N2 = SN2
V1 = 1 + PNTER
V2 = 5 + PNTER
V3 = 6 + PNTER
V4 = 10 + PNTER
WRITE(6,801) PNAME(P)
801  FORMAT('MIAMI URBAN TRANSPORTATION PLANNING',/,
& ' MODE CHOICE MODEL',/,/, ' STATION ACCESS SUMMARY',/,/,
& ' DAILY ONE DIRECTIONAL P & A FORMAT ',/,/
& 1X,'****',A5,/,/,10X,
& 'STATION NAME      W/LBUS   PNR-DA   PNR-SR      KNR      TOTAL',
& /,1X,63(' '),/,/)
DO 221 N=1,SN1
WRITE(6,802) ISTAT(N,1),(DSTAT(N,V),V=1,2),(SACC(N,V),V=V1,V2)
802  FORMAT(1X,I3,4X,2A8,5(1X,F7.0))
221  CONTINUE
DO 222 M=M1,M2
DO 222 N=1,SN1
TSACC(M) = TSACC(M) + SACC(N,M)
222  CONTINUE
WRITE(6,803) (TSACC(M),M=M1,M2)
803  FORMAT(/,8X,'METRORAIL TOTAL',1X,5(1X,F7.0),/)

```

C

```

DO 223 N=N1,N2
WRITE(6,804) ISTAT(N,1),(DSTAT(N,V),V=1,2),(SACC(N,V),V=V3,V4)
804  FORMAT(1X,I3,4X,2A8,5(1X,F7.0))
223  CONTINUE
DO 224 M=M3,M4
DO 224 N=N1,N2
TSACC(M) = TSACC(M) + SACC(N,M)
224  CONTINUE
WRITE(6,805) (TSACC(M),M=M3,M4)
805  FORMAT(/,8X,'EXP.   BUS TOTAL',1X,5(1X,F7.0),/,/)
DO 225 M=1,5
M7 = M + 30 + PNTER/2
M8 = M + PNTER
M9 = M + 5 + PNTER
TSACC(M7) = TSACC(M8) + TSACC(M9)
225  CONTINUE
WRITE(6,806) (TSACC(M),M=M5,M6)
806  FORMAT(8X,'GRAND      TOTAL',1X,5(1X,F7.0))
226  CONTINUE

```

C

C WRITE PARK-AND-RIDE LOT PARKING CAPACITY / DEMAND SUMMARY

C

```

DO 231 N=1,SN1
PARKDM(N,1) = SACC(N,2) + SACC(N,3)/OC2WK
PARKDM(N,2) = (SACC(N,12) + SACC(N,13)/OC2NW)/PTNNW
&          +(SACC(N,22) + SACC(N,23)/OC2NH)/PTNNH
PARKDM(N,3) = PARKDM(N,1) + PARKDM(N,2)

```

```

      PPLMIN(N,1) = ISTAT(N,4) - PARKDM(N,1)
      PRATIO(N,1) = FLOAT(PARKDM(N,1))/FLOAT(ISTAT(N,4))
      PPLMIN(N,2) = ISTAT(N,4) - PARKDM(N,3)
      PRATIO(N,2) = FLOAT(PARKDM(N,3))/FLOAT(ISTAT(N,4))
231  CONTINUE
C
      DO 232 N=N1,N2
      PARKDM(N,1) = SACC(N,6) + SACC(N,8)/OC2WK
      PARKDM(N,2) = (SACC(N,17) + SACC(N,18)/OC2NW)/PTNNW
&      + (SACC(N,27) + SACC(N,28)/OC2NH)/PTNNH
      PARKDM(N,3) = PARKDM(N,1) + PARKDM(N,2)
      PPLMIN(N,1) = ISTAT(N,4) - PARKDM(N,1)
      PRATIO(N,1) = FLOAT(PARKDM(N,1))/FLOAT(ISTAT(N,4))
      PPLMIN(N,2) = ISTAT(N,4) - PARKDM(N,3)
      PRATIO(N,2) = FLOAT(PARKDM(N,3))/FLOAT(ISTAT(N,4))
232  CONTINUE
C
      WRITE(6,811)
811  FORMAT('1MIAMI URBAN TRANSPORTATION PLANNING',/,
& ' MODE CHOICE MODEL',/,/, ' PARKING CAPACITY / DEMAND SUMMARY',
& //,9X,'STATION NAME   CAPACITY °-----DEMAND-----°-----',
& ' DEMAND VS CAPACTY -----°',/,
& ' ',34X,'WORK  NONWORK  TOTAL',2X,
& '(1)-(2) (2)/(1) (1)-(4) (4)/(1)',/, ' ',26X,
& '(1) (2) (3) (4) (5) (6) (7) (8)',
& /,1X,88(' '))
      DO 233 N=1,SN2
      WRITE(6,812) ISTAT(N,1), (DSTAT(N,V),V=1,2), ISTAT(N,4),
& (PARKDM(N,M),M=1,3),
& PPLMIN(N,1), PRATIO(N,1), PPLMIN(N,2), PRATIO(N,2)
812  FORMAT(1X,I3,3X,2A8,4(1X,I7),2(1X,I7,1X,F7.3))
233  CONTINUE
      DO 240 N=1,SN2
      TSTATC = ISTAT(N,4) + TSTATC
      TDEM1 = PARKDM(N,1) + TDEM1
      TDEM2 = PARKDM(N,2) + TDEM2
      TDEM3 = PARKDM(N,3) + TDEM3
240  CONTINUE
      TWDIFF = TSTATC - TDEM1
      TTDIFF = TSTATC - TDEM3
      RWCAP = (FLOAT(TDEM1))/(FLOAT(TSTATC))
      RTCAP = (FLOAT(TDEM3))/(FLOAT(TSTATC))
      WRITE(6,821) TSTATC, TDEM1, TDEM2, TDEM3, TWDIFF, RWCAP, TTDIFF,
& RTCAP
821  FORMAT(' ',/,/, ' ', ' PARKING SUMMARY', 6X, 4(1X,I7), 2(1X,I7,F8.3))
C
C WRITE TRIP END SUMMARIES
C
      WRITE(6,820)
820  FORMAT('1MIAMI URBAN TRANSPORTATION PLANNING',/,
& ' MODE CHOICE MODEL',/,/, ' TRIP END SUMMARIES',/,/,/,
& ' SUMMARIES:',/,/,
& ' 1 = HOME BASED WORK',/,/,
& ' 2 = HOME BASED NON-WORK',/,/,
& ' 3 = NON-HOME BASED',/,/,
& ' 4 = TOTAL',/,/,
& ' TABLES:',/,/,
& ' 1 = AUTO MODES',/,/,
& ' 2 = LOCAL BUS',/,/,
& ' 3 = LINE-HAUL MODES',/,/,

```

/* & ' TOTAL (PERSON TRIPS) ')

APPENDIX D
INPUT DATA FILES

1	ZDATA1
2	ZDATA2
3	ZDATA3
4	ZDATA4
5	LINKS*
6	XY*
7	FF
8	UROADPK
9	UROADM
10	UROAD
11	STATDAT
12	CENTROID
13	CBDWALK
14	GENWALK
15	SDLAYUPD
16	ROUTEAM
17	ROUTEMD
18	INETAM
19	INETMD
20	OPTLNKAM
21	OPTLNKMD

* These two files are included in the attached diskette.

KN630MS.MIY86.DATA(ZDATA1)

1	1	3	0	0	8	0100	0	0	0	0	0	0	0	0	0	0	0
1	2	111	26	21	163	7 48 45	4014	26	20	3703	28	72	0	677	75	814	
1	3	1249	14	11	3118	1 38 61	66	14	12	111	3	80	16	54	76	66	
1	4	0	0	0	0	0 0 0	0	0	0	0	0	0	0	0	0	0	
1	5	0	0	0	0	0 0 0	0	0	0	0	0	0	0	0	0	0	
2	6	0	0	0	0	0 0 0	0	0	0	0	0	0	0	0	0	0	
37	7	0	0	0	0	0 0 0	58	0	0	144	0100	0	0	0	0	0	
2	8	0	0	0	0	0 0 0	400	0	0	556	48	52	0	0	0	0	
2	9	0	0	0	0	0 0 0	52	0	0	130	15	70	15	0	0	0	
2	10	0	0	0	0	0 0 0	980	12	11	1500	43	52	5	543	63	544	
2	11	37	19	16	95	27 43 30	786	18	16	1214	22	33	46	185	63	186	
2	12	11	9	9	28	30 40 30	1531	11	9	2375	39	38	22	421	63	422	
2	13	0	0	0	0	0 0 0	1687	14	12	2357	48	51	1	849	63	851	
2	14	0	0	0	0	0 0 0	2024	13	11	2530	48	46	6	2029	63	2034	
2	15	27	7	7	66	28 48 24	4940	7	6	7620	44	51	5	757	63	758	
2	16	0	0	0	0	0 0 0	1112	18	15	1526	50	43	7	0	0	0	
2	17	225	12	11	618	6 44 50	144	12	11	222	27	47	26	0	0	0	
2	18	48	6	4	149	29 51 20	2226	7	6	3411	58	35	6	5	60	5	
2	19	130	5	5	386	40 51 9	3857	6	5	5659	59	36	5	563	63	565	
2	20	0	0	0	0	0 0 0	1574	15	12	1726	55	42	2	2229	63	2234	
2	21	0	0	0	0	0 0 0	2427	10	8	2740	66	33	1	3617	63	3624	
2	22	0	0	0	0	0 0 0	3049	6	5	4495	56	38	5	80	63	80	
2	23	27	4	4	72	34 58 7	2688	2	2	4200	53	42	5	102	63	102	
2	24	450	10	9	1100	6 57 37	1174	10	9	1616	19	79	2	102	63	102	
2	25	434	11	9	1311	11 37 52	74	11	9	112	27	63	10	17	65	18	
2	26	52	12	10	145	7 33 61	428	11	9	692	61	31	8	0	0	0	
2	27	0	0	0	0	0 0 0	2039	26	21	2097	77	20	3	2721	63	2726	
2	28	0	0	0	0	0 0 0	3653	25	21	3992	72	25	3	607	63	608	
2	29	381	7	6	1148	6 32 61	889	7	6	1343	52	38	10	78	63	78	
2	30	23	22	17	46	83 17 0	1379	20	17	1431	53	42	5	2975	63	2981	
3	31	0	0	0	0	0 0 0	675	14	10	747	79	17	3	2743	63	2749	
3	32	563	8	6	1500	7 51 42	919	8	6	1404	40	49	11	17	65	18	
3	33	674	3	2	2224	6 38 56	429	3	2	812	29	49	22	137	63	138	
3	34	928	4	3	2773	4 21 75	91	4	3	175	3	21	76	0	0	0	
3	35	13	31	23	27	12 55 33	7149	28	18	8030	40	50	10	2064	63	2069	
3	36	12	8	8	31	18 46 36	2083	10	6	2812	34	59	7	2520	63	2525	
3	37	34	15	9	86	34 48 18	2645	14	9	3574	57	33	10	188	63	189	
4	38	396	8	7	972	7 37 57	1778	8	7	2757	40	50	10	29	62	29	
4	39	400	6	5	1073	6 32 62	2099	6	5	3552	35	52	13	71	62	70	
4	40	368	12	10	915	6 32 62	2630	12	10	4062	17	60	23	352	63	352	
4	41	589	5	3	1858	6 32 61	1309	5	4	2508	21	53	26	0	0	0	
4	42	53	26	21	102	26 41 34	3370	27	20	3929	56	42	3	752	63	754	
4	43	163	32	25	253	34 50 16	1622	32	25	1670	43	49	7	1153	67	1227	
4	44	975	9	7	2239	7 73 20	17	12	12	26	7	73	20	0	0	0	
4	45	328	13	10	740	6 32 62	2851	13	10	4246	34	62	3	78	67	83	
4	46	214	34	27	318	12 60 28	800	33	26	784	33	58	9	0	0	0	
4	47	0	0	0	0	0 0 0	1812	32	25	2064	28	56	16	1250	67	1331	
5	48	0	0	0	0	0 0 0	0	0	0	0	0	0	0	0	0	0	
5	49	47	19	15	69	0 89 11	2342	20	16	2518	28	63	10	903	63	906	
5	50	0	0	0	0	0 0 0	1500	7	6	2399	28	66	6	825	63	827	
5	51	7	14	14	15	16 67 16	4292	15	12	6713	21	66	13	619	63	621	
5	52	0	0	0	0	0 0 0	0	0	0	0	0	0	0	2803	63	2810	
5	53	234	12	9	409	6 56 38	33	12	9	43	28	48	24	0	0	0	
5	54	0	0	0	0	0 0 0	1303	19	15	2098	68	11	21	605	63	606	
5	55	317	9	8	592	1 39 60	5	0	0	8	0	80	20	0	0	0	
6	56	54	6	6	121	21 20 59	925	5	5	1392	21	59	20	0	0	0	
6	57	34	9	9	65	13 29 58	386	8	7	495	28	63	9	104	52	86	

[illegible]

[illegible]

18 178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 179	122	8	7	281	6	32	61	90	8	7	175	26	47	26	0	0	0	0
18 180	16	0	0	38	6	31	63	0	0	0	0	0	0	0	0	0	0	0
18 181	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 182	5	0	0	12	0	40	60	0	0	0	0	0	0	0	0	0	0	0
18 183	9	0	0	20	11	33	56	0	0	0	0	0	0	0	0	0	0	0
18 184	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 185	6	0	0	13	0	33	67	0	0	0	0	0	0	0	0	0	0	0
13 186	121	3	3	500	6	32	62	294	4	3	688	1	32	67	0	0	0	0
19 187	351	17	15	1094	6	33	61	1072	17	15	1710	27	47	27	102	52	85	0
19 188	0	0	0	0	0	0	0	183	8	7	391	27	47	26	208	52	173	0
19 189	669	4	3	2192	6	32	62	633	4	3	1372	27	47	26	0	0	0	0
19 190	751	2	1	2681	1	21	78	14	0	0	40	0	21	79	0	0	0	0
19 191	30	0	0	107	3	33	64	202	0	0	574	7	67	26	0	0	0	0
19 192	173	1	1	542	6	32	62	1240	1	1	3080	3	48	48	0	0	0	0
19 193	500	0	0	1798	6	32	62	994	0	0	2833	19	37	44	0	0	0	0
19 194	48	0	0	178	2	38	60	1277	1	1	3718	8	44	47	0	0	0	0
19 195	25	4	4	100	4	38	58	1027	3	2	3287	4	39	57	0	0	0	0
19 196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 197	383	4	3	1229	6	32	62	298	4	3	632	27	47	26	0	0	0	0
19 198	90	4	4	332	6	32	61	771	4	4	1463	0	46	54	0	0	0	0
19 199	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 201	0	0	0	0	0	0	0	108	10	10	175	0	61	39	0	0	0	0
20 202	60	0	0	270	7	32	61	144	0	0	360	26	48	26	0	0	0	0
20 203	317	3	3	1145	6	32	62	171	3	3	504	0	52	48	0	0	0	0
20 204	15	0	0	70	7	33	60	85	0	0	303	27	47	26	0	0	0	0
21 205	0	0	0	0	0	0	0	1450	7	6	3975	5	51	44	0	0	0	0
21 206	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 207	0	0	0	0	0	0	0	98	8	7	123	0	74	26	0	0	0	0
21 208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 209	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 211	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 212	129	10	10	397	6	53	41	1364	10	10	3245	27	53	20	0	0	0	0
21 213	484	4	4	1432	11	49	40	0	0	0	0	0	0	0	0	0	0	0
21 214	124	3	3	372	6	32	62	456	3	3	1051	25	44	31	19	53	16	0
21 215	349	3	3	952	6	47	47	306	3	3	643	7	79	14	0	0	0	0
21 216	820	5	5	2709	3	40	57	0	0	0	0	0	0	0	16	50	13	0
21 217	0	0	0	0	0	0	0	78	0	0	196	25	50	25	0	0	0	0
21 218	836	6	5	3182	7	45	48	0	0	0	0	0	0	0	0	0	0	0
22 219	669	4	3	2150	10	51	39	0	0	0	0	0	0	0	0	0	0	0
22 220	600	0	0	1770	15	43	42	0	0	0	0	0	0	0	0	0	0	0
22 221	224	2	2	700	5	48	47	0	0	0	0	0	0	0	0	0	0	0
22 222	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 223	493	10	10	1662	6	32	62	318	10	10	786	7	67	26	104	52	86	0
22 224	322	3	3	962	23	35	42	0	0	0	0	0	0	0	0	0	0	0
22 225	0	0	0	0	0	0	0	26	12	12	30	9	30	61	7	57	6	0
22 226	499	8	7	1585	5	33	62	232	8	7	541	27	47	26	0	0	0	0
22 227	148	10	10	391	6	33	62	366	10	10	711	8	81	11	0	0	0	0
22 228	488	9	9	1521	6	32	62	450	9	9	1035	26	63	11	0	0	0	0
22 229	1053	8	8	3352	7	35	58	0	0	0	0	0	0	0	0	0	0	0
22 230	395	6	6	1295	6	32	62	46	7	7	135	28	46	26	0	0	0	0
22 231	269	10	10	798	7	32	62	343	10	9	917	7	79	14	0	0	0	0
22 232	248	10	9	770	6	32	62	66	9	9	186	27	47	27	0	0	0	0
22 233	465	8	8	1416	5	32	63	207	8	8	568	27	47	26	0	0	0	0
22 234	327	4	4	1012	16	52	32	7	0	0	16	14	57	29	0	0	0	0
22 235	911	8	7	2647	5	32	63	786	8	7	1616	25	62	13	0	0	0	0
22 236	682	5	5	1989	6	32	62	940	5	5	2470	36	45	19	0	0	0	0
22 237	969	7	7	2675	5	32	62	141	6	6	396	28	47	26	0	0	0	0

22	238	504	5	5	1362	8	42	49	6	0	0	17	17	50	33	0	0	0
22	239	579	2	2	1659	8	41	51	2	0	0	6	0	50	50	0	0	0
22	240	558	4	4	1707	5	42	53	3	0	0	8	0	33	67	0	0	0
22	241	677	2	2	1886	9	44	46	0	0	0	0	0	0	0	0	0	0
22	242	500	5	5	1481	6	32	62	298	5	4	654	27	51	22	0	0	0
22	243	950	3	2	2634	5	34	61	0	0	0	0	0	0	0	0	0	0
22	244	0	0	0	0	0	0	0	359	4	3	502	6	68	26	0	0	0
23	245	89	3	3	220	6	32	62	557	3	3	858	4	52	44	256	52	213
23	246	358	6	5	960	6	32	62	406	5	5	681	22	53	24	0	0	0
23	247	884	5	5	2304	6	32	62	129	5	4	210	27	47	26	168	52	139
23	248	276	4	4	774	6	32	62	131	5	5	318	27	47	25	0	0	0
23	249	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	250	1245	1	1	3395	7	39	54	18	0	0	43	6	39	55	0	0	0
23	251	94	0	0	309	0	32	68	0	0	0	0	0	0	0	0	0	0
23	252	682	2	1	2064	0	26	74	0	0	0	0	0	0	0	0	0	0
23	253	583	3	1	1922	6	32	62	198	3	2	365	17	33	50	0	0	0
23	254	141	1	1	382	17	47	36	1418	2	1	2140	54	44	2	0	0	0
23	255	30	10	7	95	8	59	33	572	11	6	1000	31	57	11	0	0	0
23	256	129	0	0	404	6	32	62	74	0	0	179	39	22	39	0	0	0
23	257	506	2	2	1375	6	32	62	118	3	2	247	22	69	8	0	0	0
23	258	866	4	3	2375	6	32	62	775	4	3	1643	11	60	29	0	0	0
23	259	836	4	3	2430	5	43	52	9	0	0	22	0	44	56	0	0	0
23	260	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	261	0	0	0	0	0	0	0	348	3	1	645	26	72	2	0	0	0
23	262	0	0	0	0	0	0	0	347	3	1	560	42	52	6	0	0	0
23	263	396	4	3	1141	6	32	62	546	4	3	1221	20	58	22	0	0	0
23	264	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	265	0	0	0	0	0	0	0	1300	10	9	1650	2	66	32	0	0	0
24	266	295	7	7	810	5	32	63	146	8	7	262	27	47	26	0	0	0
24	267	454	3	3	1263	6	32	62	750	3	3	1365	13	69	18	0	0	0
24	268	293	8	7	902	5	33	62	649	7	7	1310	4	63	32	0	0	0
24	269	513																

25	298	519	6	4	1291	6	32	62	88	6	5	176	27	47	27	0	0	0
25	299	10	10	10	24	0	56	44	0	0	0	0	0	0	0	0	0	0
25	300	0	0	0	0	0	0	0	143	0	0	357	33	33	33	0	0	0
25	301	500	4	4	1107	4	47	49	0	0	0	0	0	0	0	0	0	0
25	302	844	9	8	2154	6	43	51	38	11	11	100	6	44	51	0	0	0
25	303	9	0	0	24	11	33	56	0	0	0	0	0	0	0	0	0	0
25	304	10	0	0	22	10	30	60	15	0	0	30	40	53	7	0	0	0
25	305	833	3	3	2052	6	32	62	142	3	2	311	27	47	26	0	0	0
25	306	708	3	2	1809	4	35	61	31	3	3	65	3	77	20	0	0	0
25	307	932	9	8	1849	6	32	62	286	9	7	470	27	63	10	39	51	32
25	308	438	7	6	922	8	51	41	16	6	6	31	6	73	20	0	0	0
25	309	321	2	2	835	5	48	47	16	0	0	37	6	81	13	0	0	0
25	310	225	4	3	812	6	32	62	814	4	3	2564	51	44	5	0	0	0
25	311	0	0	0	0	0	0	0	9	0	0	15	11	22	67	0	0	0
26	312	301	2	1	841	6	32	62	688	2	1	1677	32	47	21	26	54	22
26	313	198	9	5	682	7	32	62	294	9	5	774	25	64	11	0	0	0
27	314	376	4	3	1031	6	59	34	173	4	3	463	27	47	26	0	0	0
27	315	332	3	3	1044	6	32	62	713	3	3	1887	51	42	7	0	0	0
27	316	195	2	2	601	6	32	62	236	2	2	611	27	49	24	0	0	0
27	317	706	6	6	1687	6	32	62	1218	6	6	3267	27	47	26	25	52	21
27	318	339	6	5	946	6	32	62	728	6	5	1987	36	54	10	25	52	21
26	319	641	7	5	2056	5	33	62	280	8	5	685	27	64	9	5	60	5
26	320	529	6	4	1797	6	32	62	157	6	4	407	27	47	26	0	0	0
26	321	600	6	5	1994	6	32	62	163	6	5	397	21	66	13	0	0	0
26	322	873	8	7	3138	5	32	63	305	9	8	801	27	47	26	25	52	21
27	323	126	8	7	445	7	75	18	267	7	7	928	35	58	6	0	0	0
27	324	200	0	0	781	6	32	62	404	0	0	1542	27	67	6	5	60	5
27	325	799	10	9	2265	6	51	43	745	10	9	2221	27	70	3	42	52	35
27	326	257	9	9	816	6	32	62	480	9	9	1604	27	66	8	21	52	18
27	327	17	6	6	24	6	68	25	0	0	0	0	0	0	0	0	0	0
27	328	492	5	4	1778	17	33	51	17	6	6	35	19	75	6	48	52	40
27	329	7	0	0	32	0	29	71	26	0	0	80	27	46	27	0	0	0
27	330	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	331	65	20	17	139	6	33	61	508	21	18	624	34	52	14	0	0	0
27	332	86	23	21	256	6	31	62	525	23	20	912	36	55	9	34	53	29
26	333	10	0	0	20	10	30	60	0	0	0	0	0	0	0	0	0	0
26	334	22	0	0	99	0	100	0	0	0	0	0	0	0	0	0	0	0
26	335	324	14	13	956	9	36	55	7	14	14	18	16	34	50	0	0	0
26	336	377	12	12	1205	1	37	62	0	0	0	0	0	0	0	0	0	0
26	337	33	24	24	84	4	32	64	62	23	21	135	27	48	25	0	0	0
26	338	1141	4	3	4044	11	40	49	40	3	3	146	13	38	48	0	0	0
26	339	829	6	6	2809	6	32	62	292	6	6	836	27	47	26	23	52	19
26	340	171	2	2	596	7	58	35	17	0	0	60	6	59	35	0	0	0
26	341	263	5	4	767	6	35	59	22	5	5	60	5	38	57	0	0	0
26	342	245	7	6	747	6	32	62	34	6	6	100	28	47	26	0	0	0
28	343	148	5	4	400	5	33	62	33	3	3	84	0	28	72	0	0	0
28	344	517	3	2	1725	6	32	62	199	3	2	613	27	59	14	0	0	0
28	345	32	0	0	139	0	16	84	0	0	0	0	0	0	0	0	0	0
28	346	470	1	1	1466	1	27	72	42	0	0	130	2	26	72	0	0	0
28	347	529	4	3	1898	9	30	60	57	4	4	254	9	31	60	0	0	0
28	348	192	4	4	643	6	32	61	825	4	4	2016	26	48	26	14	50	11
28	349	651	3	2	2144	2	32	66	69	3	3	209	1	33	66	0	0	0
28	350	155	0	0	607	0	48	52	0	0	0	0	0	0	0	0	0	0
28	351	826	2	1	2864	4	21	74	51	2	2	123	4	22	74	0	0	0
28	352	487	3	1	1704	0	29	71	18	0	0	44	0	28	72	0	0	0
28	353	502	2	1	1607	3	30	67	21	0	0	69	5	29	66	4	50	3
28	354	358	3	2	1063	6	32	62	98	2	2	266	12	32	56	0	0	0
28	355	441	1	1	1473	6	32	62	172	1	1	526	19	32	48	0	0	0
28	356	638	3	2	2238	6	32	62	394	3	3	1009	12	37	51	0	0	0
28	357	989	2	2	3384	6	32	62	499	2	2	1247	30	38	32	10	50	8

28	358	262	1	1	855	6	32	62	73	1	1	216	26	47	26	0	0	0
28	359	142	4	3	538	0	15	85	0	0	0	0	0	0	0	0	0	0
28	360	837	8	6	2840	5	33	62	96	7	6	328	27	47	26	0	0	0
29	361	1216	5	4	4110	2	25	73	20	5	5	65	0	26	74	0	0	0
29	362	1171	1	1	3901	3	22	75	16	0	0	42	0	25	75	0	0	0
29	363	820	2	1	2883	6	32	62	971	2	2	2712	4	46	49	0	0	0
29	364	194	11	10	638	4	49	46	4305	11	10	11270	4	49	46	0	0	0
29	365	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	366	0	0	0	0	0	0	0	590	3	2	1538	23	54	22	0	0	0
29	367	194	2	2	694	9	35	56	0	0	0	0	0	0	0	0	0	0
29	368	111	4	3	398	5	33	61	71	3	1	202	1	48	51	0	0	0
29	369	64	0	0	265	0	0	100	0	0	0	0	0	0	0	0	0	0
29	370	221	0	0	745	6	32	62	145	0	0	382	3	50	48	0	0	0
29	371	0	0	0	0	0	0	0	1231	2	1	3406	18	37	44	0	0	0
29	372	0	0	0	0	0	0	0	1349	9	6	3331	10	53	37	259	68	283
29	373	0	0	0	0	0	0	0	312	8	6	919	0	13	87	0	0	0
29	374	59	0	0	250	7	32	61	706	0	0	2336	27	47	26	0	0	0
29	375	298	8	6	1217	5	33	62	798	8	6	2548	27	47	26	0	0	0
29	376	542	1	1	1942	0	32	68	0	0	0	0	0	0	0	0	0	0
29	377	220	3	2	724	6	32	62	56	4	2	143	28	46	26	0	0	0
29	378	478	1	1	1820	6	32	62	490	1	1	1431	36	24	39	0	0	0
29	379	313	3	3	1090	6	32	62	556	3	3	1481	15	64	22	14	50	11
29	380	0	0	0	0	0	0	0	77	0	0	218	9	44	47	42	52	35
29	381	282	3	2	1018	6	32	62	455	3	2	1262	5	48	47	33	52	27
29	382	106	1	1	372	6	32	62	604	1	1	1530	29	44	27	18	50	14
29	383	215	2	1	923	6	32	62	428	2	2	1325	4	61	35	0	0	0
29	384	422	2	1	1461	6	32	62	2010	2	1	5022	19	51	30	44	52	37
29	385	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	68	45
31	386	0	0	0	0	0	0	0	317	6	5	538	2	17	81	0	0	0
30	387	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	388	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	389	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	390	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	391	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	392	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	393	0	0	0	0	0	0	0	1814	0	0	2719	24	51	25	0	0	0
30	394	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	395	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	396	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120	68	131
31	397	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	398	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	399	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	401	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	402	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	403	874	1	1	2525	6	32	62	238	2	1	475	27	47	27	0	0	0
32	404	934	2	1	2671	0	27	73	36	3	3	73	0	26	74	0	0	0
32	405	691	2	1	1757	6	32	62	309	2	1	556	11	59	30	6	67	6
32	406	131	5	3	278	6	32	61	162	5	4	291	11	57	33	89	69	98
32	407	235	4	3	678	8	45	46	0	0	0	0	0	0	0	0	0	0
32	408	243	9	6	583	5	32	63	329	9	6	547	9	70	22	0	0	0
32	409	35	11	9	83	13	61	26	439	10	7	732	15	60	26	364	68	397
32	410	703	6	5	1809	6	32	62	141	6	5	308	28	47	26	355	68	387
32	411	154	11	8	307	6	33	62	676	11	8	1151	6	63	31	308	68	336
33	412	465	4	3	1522	6	32	61	306	4	3	760	20	41	39	40	63	40
33	413	855	4	3	2849	6	32	62	174	3	3	441	2	89	9	16	63	16
33	414	344	2	1	1176	6	32	62	315	2	2	788	13	64	22	0	0	0
33	415	202	6	5	778	5	22	73	563	6	5	1582	39	38	24	0	0	0
33	416	86	6	5	218	6	32	62	1155	6	5	2150	27	46	26	78	63	78
33	417	563	4	3	1705	6	32	62	1680	4	3	4203	27	38	35	81	52	67

33 418	74	4	4	237	9	51	40	949	5	4	2442	25	50	25	18	50	14
33 419	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 420	765	3	2	2388	6	32	62	1168	3	2	3011	27	45	28	81	52	67
33 421	715	3	2	2121	6	32	62	260	3	2	624	31	55	14	0	0	0
33 422	185	11	9	596	6	33	62	364	11	9	947	8	40	52	6	50	5
33 423	105	11	10	344	6	33	62	64	11	9	170	26	48	26	0	0	0
33 424	256	3	2	806	8	37	55	21	5	5	52	11	35	55	0	0	0
33 425	385	0	0	1283	9	32	59	0	0	0	0	0	0	0	0	0	0
33 426	404	3	2	1357	5	11	84	0	0	0	0	0	0	0	0	0	0
34 427	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 428	451	7	6	1559	6	32	62	192	7	6	495	27	47	26	8	63	8
34 429	704	6	5	2082	6	32	62	432	6	5	982	27	47	27	65	63	66
34 430	303	10	9	866	6	32	62	257	10	9	550	28	47	26	0	0	0
34 431	0	0	0	0	0	0	0	245	10	9	498	24	46	30	0	0	0
34 432	41	12	10	112	6	33	61	157	11	10	321	27	47	26	0	0	0
34 433	24	8	8	62	4	32	64	122	9	7	242	22	49	29	0	0	0
34 434	85	2	2	253	6	33	61	75	1	1	167	27	47	25	0	0	0
34 435	147	1	1	596	6	32	62	154	2	2	458	28	47	26	0	0	0
34 436	288	6	5	1149	6	32	62	1017	6	5	2992	27	47	26	0	0	0
34 437	404	3	3	1064	6	32	62	449	3	3	1559	27	47	26	7	57	6
34 438	492	6	5	1448	5	32	62	229	6	5	645	27	47	26	22	64	22
34 439	954	6	5	3497	6	32	62	505	6	6	1474	28	47	26	0	0	0
34 440	68	6	6	226	6	31	63	140	5	5	373	27	37	36	0	0	0
34 441	132	6	5	452	5	32	62	97	6	5	275	28	47	26	0	0	0
34 442	522	3	2	1892	6	32	62	387	3	3	1159	38	59	3	0	0	0
34 443	292	4	4	1004	5	32	63	193	4	4	509	27	47	26	0	0	0
34 444	467	10	10	1422	6	32	62	1461	10	10	3421	27	47	26	13	62	13
34 445	325	3	3	945	6	32	62	194	3	3	433	12	75	12	0	0	0
34 446	191	0	0	651	5	32	63	143	0	0	374	27	47	26	0	0	0
34 447	801	3	2	2618	6	32	62	90	2	2	245	27	46	26	14	64	14
34 448	104	5	5	318	6	32	61	45	4	4	115	28	46	25	0	0	0
35 449	48	0	0	151	6	31	63	64	0	0	147	45	47	8	21	62	21
35 450	592	5	4	2260	6	32	61	309	5	4	862	27	47	26	0	0	0
35 451	613	6	5	1818	6	32	62	1247	6	4	3972	27	46	26	0	0	0
35 452	780	6	5	3617	6	32	62	365	6	5	1240	27	47	26	0	0	0
35 453	76	3	3	205	5	33	62	13	0	0	26	31	46	23	0	0	0
35 454	13	8	8	27	9	41	50	115	3	3	216	34	60	5	0	0	0
35 455	490	5	4	1662	6	32	62	782	5	4	2315	31	57	13	8	63	8
35 456	694	9	7	1975	6	32	62	838	9	7	2081	27	47	26	25	64	26
35 457	15	0	0	38	40	40	20	216	1	1	453	43	38	18	0	0	0
35 458	225	5	5	848	6	32	62	557	5	5	1752	27	47	26	18	50	14
35 459	204	4	3	639	5	53	42	664	4	4	1731	27	66	7	0	0	0
35 460	369	5	4	1351	6	32	61	325	5	4	882	27	47	26	0	0	0
35 461	77	4	4	326	5	73	22	217	4	3	682	27	47	26	198	52	165
35 462	238	3	3	739	6	62	32	1047	3	3	2407	40	53	7	10	50	8
35 463	305	4	4	862	6	66	28	708	4	4	1484	27	61	11	23	52	19
35 464	294	3	3	763	6	32	62	554	3	3	1069	19	61	21	15	53	13
35 465	0	0	0	0	0	0	0	425	2	2	677	48	44	7	0	0	0
35 466	487	12	10	1091	6	39	55	817	12	10	1292	18	80	2	17	53	14
35 467	188	9	7	404	5	62	33	672	9	7	1020	13	79	8	0	0	0
35 468	607	7	6	1281	6	49	44	1248	7	6	1860	15	73	12	153	52	128
35 469	393	5	4	1154	6	32	62	937	5	4	1941	27	58	15	395	52	328
35 470	454	4	3	1163	6	55	39	382	4	3	793	29	56	15	197	62	197
35 471	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 472	261	8	7	524	5	33	62	372	8	7	605	18	59	23	22	64	22
36 473	98	6	5	219	17	60	23	2075	6	5	3424	18	60	22	62	63	62
36 474	148	5	5	412	5	32	63	857	5	5	1820	51	44	5	175	63	176
36 475	69	13	13	189	7	32	61	261	12	12	728	43	49	8	4	75	5
36 476	215	12	12	727	6	32	63	463	12	12	1197	27	67	6	10	60	10
36 477	254	4	4	875	6	32	61	695	4	4	1834	35	57	8	0	0	0

36 478	17	6	6	65	6	31	63	75	8	8	215	27	47	26	0	0	0
36 479	32	9	9	99	7	31	62	30	10	10	92	26	48	26	0	0	0
36 480	18	6	6	49	12	23	65	712	8	8	1911	60	31	9	0	0	0
36 481	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	63	8
36 482	20	15	15	57	29	35	35	281	16	14	607	57	37	6	25	48	19
36 483	0	0	0	0	0	0	0	282	20	16	282	0	90	10	600	49	469
36 484	173	12	9	397	36	45	18	2344	12	9	3968	35	47	18	720	49	563
36 485	134	13	10	393	6	57	37	411	13	10	889	31	55	15	0	0	0
37 486	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 487	0	0	0	0	0	0	0	16	0	0	39	0	100	0	0	0	0
37 488	0	0	0	0	0	0	0	0	0	0	0	0	0	0	644	49	504
37 489	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 490	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 491	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 492	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 493	0	0	0	0	0	0	0	818	22	22	951	72	24	4	412	49	322
37 494	8	50	50	20	25	75	0	368	45	45	426	35	65	0	303	49	237
38 495	0	0	0	0	0	0	0	464	12	12	470	66	34	0	153	49	120
38 496	0	0	0	0	0	0	0	35	37	37	48	37	63	0	21	48	16
38 497	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 498	0	0	0	0	0	0	0	154	32	32	106	26	74	0	149	49	117
38 499	0	0	0	0	0	0	0	72	0	0	180	0	100	0	0	0	0
38 500	0	0	0	0	0	0	0	57	14	14	88	53	30	16	269	49	210
38 501	0	0	0	0	0	0	0	56	23	23	78	30	61	9	462	49	362
38 502	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 503	0	0	0	0	0	0	0	69	35	35	69	0	100	0	90	49	70
38 504	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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38 506	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 507	0	0	0	0	0	0	0	22	0	0	60	45	45	9	0	0	0
38 508	0	0	0	0	0	0	0	8	25	25	8	17	50	33	279	49	218
38 509	0	0	0	0	0	0	0	13	31	31	13	12	55	33	298	49	234
38 510	0	0	0	0	0	0	0	39	31	31	45	30	48	22	0	0	0
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38 512	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 513	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 514	0	0	0	0	0	0	0	65	29	29	65	54	46	0	0	0	0
38 515	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 516	0	0	0	0	0	0	0	95	0	0	95	54	42	4	230	49	179
38 517	0	0	0	0	0	0	0	52	31	31	52	36	55	9	0	0	0
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38 519	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 520	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 521	0	0	0	0	0	0	0	202	20	20	202	21	73	6	301	49	235
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38 523	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 524	5	0	0	7	0	40	60	0	0	0	0	0	0	0	0	0	0
39 525	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 526	0	0	0	0	0	0	0	42	0	0	61	48	48	5	34	50	27
39 527	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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39 532	0	0	0	0	0	0	0	685	13	13	796	74	22	5	81	63	82
39 533	0	0	0	0	0	0	0	620	27	27	1032	60	33	7	17	65	18
39 534	34	26	26	41	32	32	35	1474	27	27	1982	66	30	4	130	62	130
39 535	30	20	20	50	25	25	50	736	19	19	1397	64	25	11	40	63	40
39 536	159	19	19	257	6	78	16	1391	19	19	2740	27	64	9	33	64	34
39 537	0	0	0	0	0	0	0	646	6	6	2520	26	53	21	0	0	0

39 538	0	0	0	0	0	0	0	81	0	0	239	23	51	26	0	0	0
39 539	0	0	0	0	0	0	0	78	21	21	131	71	29	0	0	0	0
39 540	0	0	0	0	0	0	0	369	21	21	875	39	46	15	0	0	0
40 541	121	7	7	326	6	32	61	484	7	7	1043	61	34	5	214	63	214
40 542	133	10	10	251	6	32	62	160	10	10	242	4	73	22	182	63	182
40 543	4	0	0	8	25	50	25	206	2	2	325	17	64	18	0	0	0
40 544	85	4	4	245	6	32	62	722	3	3	1728	20	63	18	0	0	0
40 545	22	5	5	95	9	62	28	225	3	2	959	10	63	27	0	0	0
40 546	0	0	0	0	0	0	0	255	7	7	780	9	62	29	0	0	0
40 547	35	6	6	90	24	43	33	457	5	5	956	55	42	3	0	0	0
41 548	7	14	14	15	0	34	66	44	7	7	93	10	46	44	0	0	0
41 549	0	0	0	0	0	0	0	19	0	0	38	0100	0	0	15	60	14
41 550	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	64	11
41 551	0	0	0	0	0	0	0	94	0	0	234	0100	0	0	0	0	0
41 552	119	0	0	362	6	32	62	61	0	0	172	50	20	30	0	0	0
41 553	118	5	5	375	6	33	61	211	5	5	626	27	47	26	0	0	0
41 554	171	3	3	518	6	32	62	115	3	3	325	27	47	26	0	0	0
41 555	17	24	24	53	8	31	61	8	25	25	22	17	33	50	0	0	0
41 556	214	4	4	706	6	32	62	375	4	4	1057	34	48	18	39	62	38
41 557	266	5	5	953	6	32	62	296	5	5	909	27	47	26	0	0	0
41 558	310	3	3	1218	6	32	62	198	3	3	666	27	47	26	0	0	0
41 559	333	7	7	1029	5	32	62	256	7	7	678	27	47	26	0	0	0
41 560	207	2	2	559	6	32	62	1746	2	2	3704	50	40	10	0	0	0
41 561	139	6	5	434	6	78	16	492	5	5	1207	47	42	11	0	0	0
41 562	95	9	8	244	6	32	62	110	10	9	222	45	38	16	0	0	0
41 563	388	4	3	1186	6	32	62	1119	4	3	2835	26	54	21	0	0	0
41 564	102	4	4	295	6	31	63	469	4	4	1119	10	59	30	0	0	0
41 565	35	9	9	101	7	32	62	85	8	7	193	5	58	37	0	0	0
41 566	318	6	6	1114	6	32	62	334	6	5	918	48	48	4	0	0	0
41 567	393	1	1	1412	6	32	62	631	0	0	1779	28	52	20	4	75	5
41 568	498	4	3	1343	6	32	62	960	4	3	2632	23	51	26	0	0	0
41 569	113	3	3	347	6	32	62	142	2	2	430	11	8	81	0	0	0
42 570	43	0	0	43	5	33	62	64	0	0	190	27	47	27	0	0	0
42 571	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1149	68	1253
42 572	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 573	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 574	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 575	0	0	0	0	0	0	0	0	0	0	0	0	0	0	264	68	288
42 576	0	0	0	0	0	0	0	0	0	0	0	0	0	0	767	68	837
42 577	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 578	183	6	5	509	5	32	62	782	6	5	1973	6	68	26	337	68	368
44 579	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103	68	112
44 580	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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43 582	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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43 585	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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43 587	25	0	0	48	0	0100	0	0	0	0	0	0	0	0	0	0	0
43 588	51	10	6	141	4	50	46	1947	9	5	4275	4	78	18	0	0	0
43 589	173	10	8	565	3	43	53	4361	10	7	7907	3	69	28	0	0	0
43 590	0	0	0	0	0	0	0	2925	15	11	4523	2	53	45	0	0	0
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43 592	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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44 594	128	3	3	444	5	32	63	233	3	3	729	5	42	53	0	0	0
44 595	71	4	4	225	6	32	61	250	4	3	722	1	57	42	0	0	0
43 596	487	10	6	1890	6	32	62	118	10	6	361	28	47	26	0	0	0
43 597	155	12	6	438	3	42	55	1579	12	7	3528	3	42	55	0	0	0

43	598	1245	11	6	3674	1	21	78	127	10	6	297	2	21	77	0	0	0
43	599	537	5	3	1874	6	32	62	2123	5	3	5863	9	42	48	0	0	0
45	600	440	5	5	1458	6	32	62	102	5	5	196	26	47	26	0	0	0
45	601	653	10	10	1771	0	0	100	0	0	0	0	0	0	0	0	0	0
45	602	3	0	0	9	0	33	67	0	0	0	0	0	0	0	0	0	0
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46	614	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	615	161	0	0	369	6	32	62	0	0	0	0	0	0	0	0	0	0
46	616	172	8	7	513	5	33	62	0	0	0	0	0	0	0	0	0	0
46	617	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	618	552	10	9	1942	6	32	62	556	10	9	1296	0	53	47	0	0	0
47	619	0	0	0	0	0	0	0	1200	7	6	2368	1	46	53	0	0	0
47	620	648	6	5	2191	6	32	62	632	6	5	1416	0	38	62	0	0	0
47	621	199	0	0	398	6	32	62	0	0	0	0	0	0	0	0	0	0
47	622	275	10	9	1100	0	3	97	0	0	0	0	0	0	0	0	0	0
47	623	2398	5	4	8168	1	24	75	50	4	4	113	2	25	73	0	0	0
47	624	0	0	0	0	0	0	0	650	8	7	1940	17	47	36	0	0	0
47	625	381	0	0	1570	6	32	62	1191	0	0	3253	27	47	26	0	0	0
47	626	81	0	0	224	5	32	63	110	0	0	202	8	46	45	0	0	0
48	627	0	0	0	0	0	0	0	279	0	0	698	0	100	0	0	0	0
48	628	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	629	597	7	6	2308	6	32	61	394	7	6	1026	27	47	26	0	0	0
48	630	274	4	3	987	6	32	61	570	4	3	1381	2	43	55	0	0	0
48	631	1013	2	2	3772	6	32	62	465	2	2	1166	2	5	93	0	0	0
48	632	647	5	4	2336	6	32	62	387	5	5	939	27	46	26	0	0	0
48	633	1683	5	4	6102	6	32	62	1506	5	4	3816	27	47	27	0	0	0
48	634	655	7	5	2310	6	32	62	492	7	5	1267	7	31	62	0	0	0
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48	636	22	9	9	80	0	0	100	0	0	0	0	0	0	0	0	0	0
48	637	791	3	2	2925	6	32	62	181	3	2	495	27	47	26	0	0	0
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49	650	498	8	6	1287	5	33	62	69	7	6	177	27	46	27	0	0	0
49	651	283	0	0	713	8	46	46	0	0	0	0	0	0	0	0	0	0
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49	655	335	6	5	998	6	32	62	69	6	4	124	28	48	24	0	0	0
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49	664	304	7	5	856	6	32	62	539	7	5	956	40	47	13	12	67	13
49	665	536	3	2	1922	6	32	62	205	3	2	463	27	47	26	37	62	37
50	666	717	3	2	2297	6	32	62	375	3	2	981	15	49	35	59	63	59
50	667	1197	2	2	3758	6	32	62	680	2	2	1851	29	41	31	0	0	0
50	668	591	2	2	1770	6	32	62	310	2	2	759	21	65	13	40	63	40
50	669	484	4	4	1438	6	32	61	221	5	4	534	21	55	24	0	0	0
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50	671	631	2	2	1989	6	32	62	340	2	2	946	29	42	30	10	60	10
50	672	773	5	4	2220	6	32	62	1803	5	4	4293	17	55	28	47	68	51
50	673	0	0	0	0	0	0	0	2281	10	8	4357	9	57	34	0	0	0
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50	675	0	0	0	0	0	0	0	358	8	6	804	4	71	25	210	68	229
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50	679	529	3	2	1507	6	32	62	235	3	2	500	27	47	26	0	0	0
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50	681	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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51	703	267	4	4	701	24	51	25	3146	4	4	6863	47	40	14	88	63	88
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51	705	187	2	2	573	47	35	18	1775	2	2	4242	47	34	19	63	62	62
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51	707	179	6	6	505	50	36	14	2032	5	5	4269	50	36	14	350	63	350
52	708	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	709	13	31	31	35	11	44	44	156	29	26	331	36	40	24	69	49	54
52	710	0	0	0	0	0	0	0	110	0	0	162	45	30	25	600	49	469
52	711	0	0	0	0	0	0	0	312	8	7	302	27	47	26	0	0	0
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56	747	435	5	5	1253	6	32	62	631	5	4	1397	50	41	9	7	43	5
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56	749	208	8	7	337	6	47	46	58	7	7	88	28	67	5	0	0	0
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55	763	36	3	3	79	6	32	62	289	2	1	431	17	65	17	0	0	0
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57	773	144	0	0	420	6	32	62	23	0	0	46	13	39	48	0	0	0
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57 784	0	0	0	0	0	0	0	1	0	0	3	0	0	100	0	0	0
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57 787	355	2	2	911	7	41	52	4	0	0	9	0	50	50	0	0	0
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57 789	564	7	6	1399	5	33	62	831	7	6	1381	1	54	45	0	0	0
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57 791	496	2	1	1592	0	52	48	15	0	0	33	0	27	73	0	0	0
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58 793	295	8	7	801	9	18	73	0	0	0	0	0	0	0	0	0	0
58 794	131	7	6	395	5	32	62	221	7	6	424	27	47	26	0	0	0
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58 799	1057	0	0	3329	2	30	68	33	0	0	103	3	30	67	0	0	0
58 800	1029	2	1	3364	5	26	69	0	0	0	0	0	0	0	0	0	0
58 801	285	4	3	976	6	32	62	440	4	3	820	27	47	26	0	0	0
58 802	817	2	2	2787	3	16	80	0	0	0	0	0	0	0	0	0	0
58 803	431	15	14	1276	6	32	62	149	15	13	348	27	47	26	0	0	0
58 804	1191	5	5	3555	3	29	68	0	0	0	0	0	0	0	0	0	0
58 805	1061	1	1	3575	3	20	77	0	0	0	0	0	0	0	0	0	0
58 806	1423	1	1	4752	3	26	71	18	0	0	57	6	28	66	0	0	0
58 807	962	3	2	3231	1	25	74	20	5	5	63	0	26	74	0	0	0
58 808	1136	5	5	3595	0	25	75	28	4	4	70	0	26	74	0	0	0
58 809	0	0	0	0	0	0	0	1984	8	7	4321	0	40	60	0	0	0
59 810	262	7															

62 838	26	8	8	47	4	33	62	0	0	0	0	0	0	0	0	0	0
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62 840	43	28	28	124	0	39	61	0	0	0	0	0	0	0	0	0	0
62 841	22	18	18	73	0	33	67	0	0	0	0	0	0	0	0	0	0
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62 843	79	4	4	253	6	32	62	695	4	4	1469	27	47	26	0	0	0
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62 845	210	8	8	510	9	46	46	0	0	0	0	0	0	0	0	0	0
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62 848	5	0	0	14	0	0	100	0	0	0	0	0	0	0	0	0	0
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63 856	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 857	1000	8	8	3010	7	32	62	351	8	8	803	9	65	26	0	0	0
63 858	0	0	0	0	0	0	0	39	8	8	101	28	47	25	0	0	0
63 859	440	6	6	1286	6	32	62	774	6	6	1718	27	47	26	0	0	0
63 860	1455	8	8	4209	5	32	63	1170	8	8	2572	9	65	26	0	0	0
63 861	1447	8	8	3902	7	32	62	931	8	8	1909	27	47	26	0	0	0
64 862	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 863	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 864	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 865	24	8	8	133	4	32	64	100	8	7	612	27	47	26	0	0	0
64 866	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 867	1447	4	4	4852	3	36	60	0	0	0	0	0	0	0	0	0	0
64 868	86	8	8	271	7	32	62	255	8	8	615	27	47	26	0	0	0
64 869	66	8	8	171	3	29	67	0	0	0	0	0	0	0	0	0	0
65 870	256	4	4	753	5	32	63	254	4	4	471	8	61	30	0	0	0

66 898	25	12	8	61	9	64	27	1206	11	9	1645	8	64	28	0	0	0
66 899	144	0	0	526	0	13	87	0	0	0	0	0	0	0	0	0	0
66 900	95	9	8	277	1	69	30	1558	10	8	2336	1	69	30	0	0	0
66 901	265	4	3	898	2	18	80	8	0	0	14	0	25	75	0	0	0
66 902	201	4	4	559	6	18	76	11	0	0	16	9	18	73	0	0	0
66 903	145	8	7	445	14	53	33	1730	8	7	2730	14	52	34	0	0	0
67 904	523	8	7	1251	1	36	63	54	7	6	80	2	36	62	0	0	0
67 905	0	0	0	0	0	0	0	495	9	8	903	9	59	32	0	0	0
67 906	30	10	10	50	0	44	56	0	0	0	0	0	0	0	0	0	0
67 907	304	7	6	693	6	32	62	329	7	6	456	4	84	12	0	0	0
67 908	424	3	3	1080	6	32	62	166	3	2	258	27	47	26	0	0	0
67 909	38	8	8	73	12	57	31	366	8	7	430	13	55	32	10	60	10
67 910	528	6	5	1426	5	32	62	470	6	5	762	16	53	31	0	0	0
67 911	375	5	3	1031	5	26	69	0	0	0	0	0	0	0	0	0	0
67 912	264	13	9	725	6	32	62	688	13	9	878	3	63	33	0	0	0
67 913	399	8	6	1185	0	12	88	0	0	0	0	0	0	0	0	0	0
67 914	104	0	0	359	0	0	100	0	0	0	0	0	0	0	0	0	0
67 915	288	5	5	928	0	14	86	0	0	0	0	0	0	0	0	0	0
67 916	613	4	3	1912	0	22	78	0	0	0	0	0	0	0	0	0	0
67 917	259	4	3	689	6	32	61	592	4	3	959	1	44	55	0	0	0
67 918	218	8	6	629	3	28	68	20	10	10	34	22	67	11	50	62	50
67 919	25	0	0	86	4	32	64	76	0	0	159	5	42	53	0	0	0
67 920	429	2	2	1465	0	18	82	0	0	0	0	0	0	0	0	0	0
67 921	678	3	2	2131	0	15	85	0	0	0	0	0	0	0	0	0	0
67 922	425	3	2	1393	0	14	86	0	0	0	0	0	0	0	0	0	0
67 923	97	3	3	306	6	32	62	91	3	3	174	17	24	59	0	0	0
67 924	230	9	7	515	7	32	62	358	9	8	487	22	45	34	0	0	0
67 925	471	3	3	1270	0	13	87	0	0	0	0	0	0	0	0	0	0
67 926	900	1	1	3100	0	10	90	0	0	0	0	0	0	0	0	0	0
67 927	562	1	1	1841	0	9	91	0	0	0	0	0	0	0	0	0	0
67 928	314	7	5	932	0	17	83	0	0	0	0	0	0	0	0	0	0
68 929	287	8	6	963	0	20	80	0	0	0	0	0	0	0	57	63	58
68 930	696	4	3	2341	0	10	90	0	0	0	0	0	0	0	0	0	0
68 931	531	2	2	1786	0	14	86	0	0	0	0	0	0	0	0	0	0
68 932	5	0	0	16	0	40	60	0	0	0	0	0	0	0	0	0	0
68 933	319	6	5	1123	0	9	91	0	0	0	0	0	0	0	0	0	0
68 934	249	8	7	741	0	9	91	0	0	0	0	0	0	0	0	0	0
68 935	1254	5	4	3585	4	28	67	41	5	5	107	5	28	66	0	0	0
68 936	122	8	7	379	6	32	61	179	8	7	504	4	85	11	0	0	0
68 937	11	0	0	36	0	36	64	73	0	0	221	14	54	32	0	0	0
68 938	24	0	0	59	0	33	67	8	0	0	18	13	25	62	0	0	0
68 939	179	6	6	521	6	32	62	24	4	4	66	8	35	57	0	0	0
68 940	312	7	6	895	2	22	76	420	7	6	777	14	34	52	0	0	0
68 941	1170	3	3	3900	0	14	86	0	0	0	0	0	0	0	0	0	0
68 942	497	3	2	1753	0	7	93	0	0	0	0	0	0	0	0	0	0
68 943	550	2	2	1725	0	19	81	0	0	0	0	0	0	0	0	0	0
68 944	188	5	4	516	6	32	62	214	5	4	337	27	46	26	100	63	101
69 945	312	4	4	940	6	32	61	885	4	3	1646	4	95	1	0	0	0
69 946	434	3	3	1566	1	7	92	0	0	0	0	0	0	0	0	0	0
69 947	657	4	3	2630	4	31	65	0	0	0	0	0	0	0	0	0	0
69 948	1553	2	2	5547	6	32	62	246	2	2	542	3	63	34	0	0	0
69 949	1646	6	5	5145	0	32	68	0	0	0	0	0	0	0	0	0	0
69 950	934	4	3	2687	6	32	62	474	4	3	1344	2	58	40	0	0	0
69 951	1053	5	4	3344	31	45	24	104	5	4	324	32	44	24	8	63	8
69 952	1518	4	3	4717	1	29	69	0	0	0	0	0	0	0	0	0	0
69 953	546	2	2	1492	6	32	62	285	2	1	600	1	81	18	0	0	0
69 954	250	3	3	874	6	32	62	423	3	3	1454	27	47	26	0	0	0
70 955	241	0	0	618	6	32	62	38	0	0	85	26	47	26	0	0	0
70 956	1216	3	2	4004	0	27	73	0	0	0	0	0	0	0	0	0	0
70 957	896	1	1	2923	6	32	62	148	1	1	422	26	47	26	0	0	0

70 958	10	10	10	21	11	56	33	289	8	7	560	10	60	30	0	0	0
70 959	48	8	8	141	7	32	62	0	0	0	0	0	0	0	0	0	0
70 960	64	0	0	266	6	31	63	14	0	0	26	7	21	72	0	0	0
70 961	889	3	3	2751	1	28	71	54	4	4	146	2	27	71	0	0	0
70 962	728	4	3	2512	0	18	82	0	0	0	0	0	0	0	0	0	0
70 963	1033	1	1	3518	0	20	80	0	0	0	0	0	0	0	0	0	0
70 964	345	9	8	960	7	32	62	553	9	8	675	14	76	10	0	0	0
70 965	497	3	3	1780	0	16	84	53	4	4	82	0	16	84	0	0	0
70 966	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 967	0	0	0	0	0	0	0	140	0	0	230	11	55	34	0	0	0
70 968	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 969	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 970	11	0	0	18	9	36	55	0	0	0	0	0	0	0	0	0	0
71 971	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 972	73	14	12	274	16	0	84	5	20	20	14	25	0	75	0	0	0
71 973	74	7	5	175	9	10	82	0	0	0	0	0	0	0	0	0	0
71 974	210	3	2	759	6	32	62	141	3	3	451	21	46	33	9	67	10
71 975	496	5	5	1895	6	32	62	485	5	5	1640	22	52	26	29	62	29
71 976	393	6	6	1550	6	32	62	288	6	6	884	26	50	24	0	0	0
70 977	7	0	0	24	0	43	57	0	0	0	0	0	0	0	0	0	0
70 978	0	0	0	0	0	0	0	93	6	5	294	10	76	15	0	0	0
70 979	7	0	0	26	0	43	57	0	0	0	0	0	0	0	0	0	0
70 980	482	4	4	1531	6	36	57	235	4	4	653	27	47	26	100	63	101
69 981	0	0	0	0	0	0	0	122	0	0	446	33	51	16	0	0	0
72 982	659	8	7	1835	5	65	29	2559	8	7	5305	7	72	22	0	0	0
72 983	597	6	5	2052	6	32	62	317	6	5	809	27	47	26	0	0	0
72 984	946	2	2	3292	6	64	30	328	2	2	849	27	46	26	0	0	0
72 985	594	4	4	2251	0	55	45	0	0	0	0	0	0	0	0	0	0
72 986	1621	5	4	5535	2	69	28	0	0	0	0	0	0	0	0	0	0
72 987	306	4	4	887	7	68	25	0	0	0	0	0	0	0	0	0	0
72 988	33	0	0	94	6	58	36	0	0	0	0	0	0	0	0	0	0
72 989	36	0	0	79	0	72	28	0	0	0	0	0	0	0	0	0	0
72 990	119	7	6	373	5	49	45	132	7	6	307	12	59	29	0	0	0
73 991	201	8	8	439	5	51	44	117	9	8	215	19	49	32	12	67	13
73 992	77	0	0	141	26	48	26	0	0	0	0	0	0	0	0	0	0
73 993	73	0	0	171	0	64	36	0	0	0	0	0	0	0	0	0	0
73 994	61	7	7	310	35	21	44	0	0	0	0	0	0	0	0	0	0
73 995	59	0	0	97	0	34	66	0	0	0	0	0	0	0	0	0	0
73 996	12	0	0	33	0	58	42	0	0	0	0	0	0	0	0	0	0
73 997	14	0	0	39	7	29	64	0	0	0	0	0	0	0	0	0	0
73 998	48	0	0	137	0	31	69	0	0	0	0	0	0	0	0	0	0
73 999	131	6	5	372	5	32	63	226	6	5	477	13	47	40	0	0	0
731000	53	11	9	121	7	31	62	95	11	9	162	16	47	38	0	0	0
741001	87	9	7	249	7	32	62	81	9	6	178	27	47	25	0	0	0
741002	45	2	2	122	7	54	39	40	3	3	83	8	82	10	0	0	0
741003	36	8	6	106	6	33	60	254	8	6	580	23	47	30	0	0	0
741004	145	5	3	442	0	54	46	0	0	0	0	0	0	0	0	0	0
741005	149	8	6	441	0	43	57	0	0	0	0	0	0	0	0	0	0
741006	56	2	2	142	0	45	55	0	0	0	0	0	0	0	0	0	0
741007	66	12	9	163	9	57	34	0	0	0	0	0	0	0	0	0	0
741008	366	3	2	1065	1	47	52	29	3	3	64	0	50	50	0	0	0
741009	392	7	5	1027	6	29	65	0	0	0	0	0	0	0	14	64	14
741010	195	12	9	484	6	32	63	201	12	8	382	16	47	38	0	0	0
741011	90	9	7	289	0	54	46	0	0	0	0	0	0	0	0	0	0
751012	149	10	9	393	6	32	62	72	10	8	190	28	48	24	0	0	0
751013	235	11	11	627	0	0	100	0	0	0	0	0	0	0	0	0	0
751014	261	10	9	700	6	32	62	45	11	11	116	25	48	27	0	0	0
751015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
751016	145	6	6	469	0	32	68	0	0	0	0	0	0	0	0	0	0
751017	118	0	0	442	5	7	88	7	0	0	28	0	14	86	0	0	0

751018	68	4	4	272	6	32	61	32	3	3	121	26	48	26	0	0	0
761019	300	8	7	794	4	13	83	0	0	0	0	0	0	0	0	0	0
761020	955	9	7	2875	5	32	63	308	9	7	917	36	47	16	0	0	0
761021	608	5	5	1748	6	32	62	654	6	5	1859	19	63	18	0	0	0
761022	669	11	9	1427	6	33	62	563	11	9	1188	27	61	12	91	63	91
761023	180	7	6	453	6	32	62	614	7	5	1433	32	53	15	52	63	53
761024	172	8	6	490	5	33	62	80	8	6	212	1	87	12	0	0	0
761025	320	6	5	849	6	65	29	470	6	5	1156	27	61	13	34	62	34
761026	582	8	7	1751	5	70	25	354	8	7	986	27	60	13	7	57	6
761027	44	11	9	175	6	30	64	127	12	9	462	27	47	26	0	0	0
761028	170	5	4	584	5	33	62	375	5	4	1196	27	47	26	111	63	112
761029	31	16	13	64	19	54	27	335	15	12	533	19	53	28	61	62	61
761030	0	0	0	0	0	0	0	973	10	8	1067	6	67	27	112	63	112
761031	0	0	0	0	0	0	0	24	0	0	33	0	33	67	51	63	51
761032	364	8	6	939	5	32	63	1064	8	6	2087	10	64	26	64	63	64
761033	536	4	3	1510	4	31	65	42	5	5	89	2	33	65	0	0	0
761034	168	2	1	470	6	32	62	21	0	0	46	29	48	24	0	0	0
761035	590	5	4	2042	0	23	77	30	7	7	79	0	22	78	0	0	0
761036	29	0	0	130	7	31	62	10	0	0	30	30	50	20	0	0	0
771037	77	8	4	291	5	33	62	504	8	4	1268	13	50	37	39	62	38
771038	0	0	0	0	0	0	0	704	8	4	1188	3	63	34	153	63	154
771039	973	4	3	2619	6	32	62	688	4	3	2152	27	47	26	4	75	5
771040	616	10	5	1467	6	54	40	905	10	5	1437	27	56	18	0	0	0
771041	256	8	4	785	5	33	62	1239	8	4	2526	5	64	30	11	64	11
771042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
771043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
771044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
771045	1616	6	4	5196	3	35	62	0	0	0	0	0	0	0	0	0	0
771046	1414	8	6	4798	1	37	62	0	0	0	0	0	0	0	0	0	0
771047	478	4	3	1310	6	32	61	277	4	3	605	1	64	35	35	63	35
771048	0	0	0	0	0	0	0	258	0	0	698	22	57	21	189	62	189
771049	43	9	7	175	0	59	41	391	10	7	131						

[illegible]

KN630MS.MIY86.DATA(ZDATA2)

1	1	0	2	10	12	0	0	0	2	4
1	2	234	341	1106	1681	0	0	0	2	4
1	3	177	553	1024	1754	428	0	0	2	4
1	4	35	0	143	178	0	0	0	2	0
1	5	11	32	399	442	185	0	0	2	0
2	6	14	0	32	46	0	0	0	16	0
37	7	0	236	4300	4536	0	0	0	1	1
2	8	9	30	148	187	0	0	0	16	1
2	9	0	0	12	12	0	0	0	16	2
2	10	76	66	408	550	0	0	0	16	1
2	11	53	51	201	305	0	0	0	16	1
2	12	105	164	247	516	0	0	0	16	1
2	13	0	85	521	606	0	0	0	16	1
2	14	59	356	616	1031	0	0	0	16	1
2	15	55	76	757	888	0	0	0	16	1
2	16	21	209	1040	1270	0	0	0	16	1
2	17	30	9	241	280	0	0	0	16	4
2	18	85	96	239	420	130	0	0	16	1
2	19	128	204	682	1014	1386	0	0	16	1
2	20	71	112	524	707	0	0	0	16	1
2	21	201	1090	2400	3691	199	0	0	16	1
2	22	373	1570	3900	5843	0	0	0	16	1
2	23	136	414	630	1180	0	0	0	16	1
2	24	0	10	67	77	0	0	0	16	3
2	25	409	257	574	1240	0	0	0	16	4
2	26	0	181	672	853	0	0	0	16	1
2	27	0	354	1010	1364	0	0	0	16	1
2	28	167	219	788	1174	0	0	0	16	1
2	29	0	167	565	732	2759	0	0	16	2
2	30	204	85	864	1153	0	0	0	16	1
3	31	79	248	1370	1697	0	0	0	16	1
3	32	27	450	977	1454	750	0	0	16	3
3	33	179	645	5950	6774	1550	0	0	16	3
3	34	216	325	1650	2191	0	0	0	16	4
3	35	325	815	3500	4640	0	0	0	16	2
3	36	207	550	708	1465	0	0	0	16	1
3	37	31	450	828	1309	555	0	0	16	1
4	38	28	218	327	573	0	0	0	16	2
4	39	55	62	192	309	0	0	0	16	2
4	40	60	244	808	1112	518	0	0	16	3
4	41	0	43	99	142	0	0	0	16	3
4	42	164	112	550	826	331	0	0	16	1
4	43	105	570	651	1326	0	0	0	16	2
4	44	0	160	64	224	0	0	0	16	3
4	45	98	255	1470	1823	496	0	0	16	3
4	46	74	910	293	1277	0	0	0	16	3
4	47	15	162	1100	1277	0	0	0	16	4
5	48	0	0	124	124	0	0	0	16	0
5	49	9	53	140	202	0	0	0	16	3
5	50	0	63	338	401	0	0	0	16	2
5	51	6	0	44	50	0	0	0	16	2
5	52	9	149	330	488	0	0	0	16	0
5	53	0	30	40	70	0	0	0	16	1
5	54	10	65	413	488	0	0	0	16	2
5	55	5	0	101	106	0	0	0	16	4
6	56	23	21	74	118	0	10	20	14	2
6	57	58	320	1450	1828	0	10	20	14	1

6	58	9	173	217	399	0	0	0	14	0
6	59	50	202	148	400	0	0	0	14	4
6	60	63	47	421	531	0	0	0	14	2
6	61	0	20	8	28	0	0	0	14	0
6	62	0	0	590	590	7648	0	0	14	2
6	63	0	0	11	11	0	0	0	14	0
6	64	12	47	108	167	0	0	0	14	0
6	65	145	315	398	858	0	0	0	14	2
6	66	0	145	143	288	0	0	0	14	2
6	67	9	0	91	100	0	0	0	14	3
6	68	0	0	111	111	0	0	0	14	3
7	69	26	37	122	185	0	0	0	15	3
7	70	14	30	23	67	0	0	0	15	0
7	71	18	57	12	87	0	0	0	15	0
7	72	60	310	200	570	0	0	0	15	0
7	73	95	1100	373	1568	0	0	0	15	3
7	74	183	42	87	312	0	0	0	15	3
7	75	100	0	0	100	0	0	0	15	3
7	76	29	30	56	115	0	0	0	15	2
7	77	101	106	770	977	0	0	0	15	2
8	78	0	0	89	89	1943	0	0	15	3
8	79	52	88	314	454	1007	0	0	15	2
8	80	14	17	72	103	335	0	0	15	4
8	81	0	15	61	76	0	0	0	15	2
8	82	88	410	1120	1618	0	0	0	15	2
8	83	82	470	1650	2202	525	0	0	15	2
8	84	33	26	297	356	0	0	0	15	3
8	85	0	12	34	46	0	15	30	15	2
8	86	0	0	16	16	0	15	30	15	2
8	87	9	181	60	250	0	0	0	15	4
8	88	25	0	31	56	0	0	0	15	4
9	89	47	20	146	213	387	0	0	15	3
9	90	220	90	199	509	0	0	0	15	3
9	91	0	0	14	14	0	0	0	15	4
9	92	50	0	616	666	149	0	0	15	3
9	93	158	280	237	675	0	0	0	15	3
9	94	50	0	0	50	0	0	0	15	4
9	95	0	60	39	99	0	0	0	15	4
9	96	0	16	248	264	0	0	0	15	1
9	97	0	215	103	318	0	0	0	15	3
9	98	294	270	281	845	0	0	0	15	1
9	99	10	260	680	950	782	0	0	15	3
10	100	0	27	1010	1037	0	0	0	15	2
10	101	0	97	141	238	0	0	0	15	3
10	102	22	260	333	615	0	0	0	15	3
10	103	26	152	260	438	2344	0	0	15	3
10	104	0	22	218	240	2102	0	0	15	4
10	105	0	54	249	303	0	0	0	15	3
10	106	0	75	134	209	0	0	0	15	3
11	107	0	17	277	294	0	0	0	12	0
11	108	50	0	12	62	0	0	0	12	2
11	109	75	0	0	75	0	0	0	12	0
11	110	0	70	125	195	509	0	0	12	4
11	111	0	0	6	6	0	0	0	12	3
11	112	0	83	13	96	0	0	0	12	4
11	113	0	131	1225	1356	494	0	0	12	3
11	114	5	55	137	197	661	0	0	12	3
11	115	0	46	107	153	1059	0	0	12	3
11	116	0	6	158	164	845	0	0	12	3
11	117	0	362	350	712	0	0	0	12	3

11	118	79	80	69	228	0	0	0	12	3
11	119	9	14	252	275	2176	0	0	12	1
11	120	0	10	105	115	800	0	0	12	3
11	121	25	0	0	25	0	0	0	12	2
11	122	12	14	0	26	0	0	0	12	3
12	123	0	3	100	103	578	0	0	12	3
12	124	9	0	0	9	0	0	0	12	3
12	125	53	20	206	279	706	0	0	12	3
12	126	0	23	96	119	527	0	0	12	2
12	127	9	15	173	197	1663	0	0	12	3
12	128	5	93	144	242	0	0	0	12	3
12	129	9	221	209	439	879	0	0	12	3
12	130	9	26	143	178	759	0	0	12	3
12	131	0	92	58	150	0	0	0	12	3
12	132	0	228	426	654	1631	0	0	12	3
12	133	38	6	447	491	0	0	0	12	3
12	134	0	0	0	0	0	0	0	12	0
13	135	42	0	0	42	0	0	0	12	4
13	136	25	75	256	356	0	0	0	12	4
13	137	94	16	42	152	2347	0	0	12	3
13	138	53	0	64	117	0	0	0	12	4
13	139	15	0	0	15	0	0	0	12	3
13	140	9	56	118	183	917	0	0	12	4
13	141	5	0	0	5	0	0	0	12	4
13	142	0	0	0	0	0	0	0	12	0
14	143	0	0	0	0	0	0	0	12	0
14	144	5	0	0	5	0	0	0	12	0
14	145	0	0	0	0	0	0	0	12	0
15	146	0	0	0	0	0	0	0	10	0
15	147	0	0	0	0	0	0	0	10	0
15	148	0	0	0	0	0	0	0	10	0
14	149	0	0	0	0	0	0	0	12	3
15	150	10	0	0	10	0	0	0	10	0
15	151	90	0	0	90	0	0	0	10	0
16	152	34	42	0	76	0	0	0	9	0
16	153	287	54	89	430	0	0	0	9	4
15	154	10	0	0	10	0	0	0	10	0
16	155	0	0	0	0	0	0	0	9	0
16	156	0	0	0	0	0	0	0	9	0
17	157	11	0	12	23	0	0	0	9	0
17	158	0	0	26	26	0	0	0	9	0
17	159	13	0	86	99	0	0	0	9	3
17	160	0	5	640	645	0	0	0	9	0
17	161	170	64	3395	3629	0	0	0	9	4
17	162	0	0	20	20	0	0	0	9	3
16	163	168	0	0	168	0	0	0	9	0
16	164	0	0	305	305	0	0	0	9	0
16	165	18	0	0	18	0	0	0	9	0
16	166	309	830	90	1229	0	0	0	9	0
18	167	17	31	72	120	0	0	0	12	3
18	168	852	212	158	1222	0	0	0	12	3
18	169	55	60	69	184	0	0	0	12	3
18	170	34	0	0	34	0	0	0	12	3
18	171	25	50	9	84	0	0	0	12	3
18	172	14	0	0	14	0	0	0	12	0
18	173	0	0	65	65	111	0	0	12	3
18	174	5	20	0	25	0	0	0	12	3
18	175	31	72	118	221	0	0	0	12	3
18	176	75	160	52	287	0	0	0	12	2
18	177	30	287	1421	1738	0	0	0	12	0

18 178	183	179	16	378	0	0	0	12	0
18 179	63	48	960	1071	0	0	0	12	4
18 180	10	0	6	16	0	0	0	12	3
18 181	46	5	0	51	0	0	0	12	0
18 182	17	0	0	17	0	0	0	12	3
18 183	12	0	0	12	0	0	0	12	3
18 184	10	0	0	10	0	0	0	12	0
18 185	43	0	0	43	0	0	0	12	4
13 186	0	87	33	120	0	0	0	12	3
19 187	99	162	151	412	0	0	0	11	4
19 188	0	115	145	260	0	0	0	11	4
19 189	0	0	613	613	612	0	0	11	4
19 190	0	240	141	381	0	15	30	11	4
19 191	904	420	115	1439	0	0	0	11	4
19 192	42	187	308	537	844	15	30	11	3
19 193	98	59	145	302	219	15	30	11	2
19 194	77	91	245	413	2274	15	30	11	2
19 195	512	95	186	793	889	15	40	11	3
19 196	4660	915	952	6527	73	0	0	11	0
19 197	0	112	23	135	0	0	0	11	4
19 198	80	177	329	586	1802	0	0	11	3
19 199	427	108	979	1514	2600	0	0	11	0
13 200	38	420	199	657	1155	0	0	12	0
20 201	553	1460	318	2331	0	0	0	11	2
20 202	0	28	303	331	1429	0	0	11	3
20 203	0	0	37	37	0	0	0	11	3
20 204	167	244	887	1298	0	25	50	11	2
21 205	456	381	188	1025	0	10	20	11	3
21 206	0	0	0	0	0	10	20	11	0
21 207	1692	770	1100	3562	0	10	20	11	2
21 208	0	14	100	114	0	0	0	11	0
21 209	677	520	493	1690	0	15	30	11	0
21 210	0	0	960	960	19812	0	0	11	0
21 211	236	139	21	396	0	0	0	11	0
21 212	97	187	488	772	206	0	0	11	2
21 213	118	175	227	520	0	0	0	11	2
21 214	53	119	517	689	0	0	0	11	2
21 215	156	154	275	585	1050	0	0	11	2
21 216	20	40	12	72	0	0	0	11	3
21 217	27	0	161	188	2907	10	20	11	3
21 218	6	257	186	449	463	10	20	11	3
22 219	0	28	231	259	488	10	20	11	3
22 220	0	6	256	262	794	10	20	11	2
22 221	0	0	28	28	0	10	20	11	2
22 222	1286	1969	640	3895	0	10	40	11	0
22 223	63	36	236	335	667	0	0	11	2
22 224	7	0	27	34	0	0	0	11	2
22 225	982	520	900	2402	0	0	0	11	1
22 226	9	19	136	164	487	0	0	11	2
22 227	0	111	229	340	0	0	0	11	2
22 228	0	35	151	186	311	0	0	11	2
22 229	0	0	197	197	1903	0	0	11	3
22 230	12	5	85	102	0	10	20	11	2
22 231	44	102	397	543	0	0	0	11	2
22 232	0	0	131	131	974	0	0	11	2
22 233	0	51	72	123	0	0	0	11	2
22 234	0	5	216	221	2379	0	0	11	2
22 235	22	58	33	113	0	25	50	11	2
22 236	10	142	275	427	1492	0	0	11	2
22 237	9	179	157	345	0	0	0	11	2

22	238	45	175	270	490	0	0	0	11	2
22	239	15	12	111	138	0	0	0	11	3
22	240	18	0	110	128	808	0	0	11	3
22	241	0	119	216	335	0	0	0	11	2
22	242	972	611	590	2173	617	0	0	11	3
22	243	74	192	141	407	0	0	0	11	3
22	244	0	0	24	24	0	0	0	11	2
23	245	45	98	305	448	0	0	0	14	3
23	246	0	36	66	102	0	0	0	14	2
23	247	50	306	211	567	0	0	0	14	3
23	248	35	123	1259	1417	0	0	0	14	3
23	249	1825	711	550	3086	0	0	0	14	0
23	250	30	203	73	306	0	0	0	14	3
23	251	137	28	0	165	0	15	30	14	4
23	252	0	0	24	24	0	15	30	14	4
23	253	0	7	103	110	593	15	30	14	3
23	254	20	102	382	504	2488	15	30	14	2
23	255	159	525	945	1629	1211	15	30	14	2
23	256	96	682	970	1748	0	15	30	14	3
23	257	70	286	383	739	0	0	0	14	3
23	258	0	26	70	96	670	0	0	14	3
23	259	154	450	530	1134	0	0	0	14	3
23	260	47	1750	460	2257	0	0	0	14	0
23	261	0	438	670	1108	0	0	0	14	1
23	262	146	280	610	1036	0	0	0	14	2
23	263	300	875	1140	2315	480	0	0	14	2
23	264	458	213	155	826	0	0	0	14	0
24	265	588	382	700	1670	0	0	0	14	2
24	266	12	109	330	451	429	0	0	14	3
24	267	43	166	197	406	0	0	0	14	2
24	268	14	59	162	235	0	0	0	14	2
24	269	0	30	163	193	986	0	0	14	3
24	270	0	100	224	324	2152	0	0	14	2
24	271	62	73	405	540	0	0	0	14	3
24	272	21	0	30	51	0	0	0	14	3
24	273	32	5	221	258	1847	0	0	14	3
24	274	0	82	66	148	0	0	0	14	2
24	275	0	142	123	265	0	0	0	14	2
24	276	0	21	63	84	0	15	30	14	3
24	277	0	0	20	20	0	0	0	14	3
24	278	80	132	166	378	572	0	0	14	2
24	279	0	35	108	143	707	0	0	14	3
24	280	0	0	22	22	0	0	0	14	3
24	281	59	371	428	858	0	0	0	14	2
24	282	48	331	660	1039	1801	0	0	14	2
24	283	374	490	1500	2364	0	0	0	14	2
24	284	216	358	290	864	754	0	0	14	2
24	285	374	490	1750	2614	0	0	0	14	2
25	286	69	95	319	483	0	0	0	14	2
25	287	50	96	517	663	0	0	0	14	1
25	288	26	373	106	505	0	0	0	14	1
25	289	84	151	140	375	0	0	0	14	3
25	290	63	177	403	643	381	0	0	14	3
25	291	47	49	58	154	0	25	50	14	4
25	292	35	143	171	349	77	25	50	14	3
25	293	78	288	369	735	628	25	50	14	4
25	294	78	100	297	475	0	0	0	14	2
25	295	0	19	26	45	0	10	20	14	2
25	296	9	35	38	82	0	10	20	14	3
25	297	0	134	111	245	0	10	20	14	3

25 298	53	40	157	250	74	10	20	14	3
25 299	0	43	102	145	0	10	20	14	2
25 300	0	44	480	524	4232	10	20	14	3
25 301	0	29	25	54	0	10	20	14	3
25 302	0	0	35	35	0	10	20	14	3
25 303	0	198	59	257	0	0	0	14	3
25 304	0	28	78	106	0	25	50	14	3
25 305	0	16	31	47	0	0	0	14	2
25 306	63	133	412	608	1786	10	20	14	3
25 307	35	34	340	409	0	0	0	14	3
25 308	9	12	12	33	0	0	0	14	2
25 309	4	0	128	132	1143	0	0	14	3
25 310	0	98	118	216	0	25	50	14	1
25 311	11	146	30	187	0	25	50	14	2
26 312	74	51	1385	1510	0	25	50	11	2
26 313	56	90	84	230	930	15	30	11	2
27 314	194	266	69	529	0	25	50	11	2
27 315	126	310	520	956	3296	15	30	11	1
27 316	61	92	209	362	0	15	30	11	2
27 317	150	126	112	388	0	15	30	11	1
27 318	176	125	32	333	599	25	50	11	1
26 319	18	34	33	85	0	15	30	11	2
26 320	5	16	0	21	0	0	0	11	2
26 321	0	0	65	65	0	0	0	11	2
26 322	20	177	314	511	690	15	30	11	2
27 323	345	103	25	473	0	75	200	11	2
27 324	41	31	138	210	496	75	200	11	1
27 325	0	60	179	239	592	0	0	11	1
27 326	198	248	194	640	992	0	0	11	1
27 327	21	640	231	892	0	0	0	11	2
27 328	30	98	181	309	0	0	0	11	2
27 329	753	780	256	1789	0	0	0	11	1
27 330	507	430	345	1282	0	0	0	11	0
27 331	492	57	124	673	0	75	200	11	1
27 332	131	192	135	458	0	75	200	11	1
26 333	0	450	113	563	0	75	200	11	2
26 334	0	195	55	250	0	75	200	11	4
26 335	0	36	21	57	0	75	200	11	3
26 336	0	36	181	217	1635	75	200	11	3
26 337	601	205	183	989	0	75	200	11	2
26 338	45	12	12	69	0	0	0	11	2
26 339	51	263	140	454	0	15	30	11	2
26 340	0	14	11	25	0	15	30	11	2
26 341	0	12	10	22	0	0	0	11	2
26 342	0	10	13	23	0	15	30	11	2
28 343	286	57	59	402	0	0	0	11	3
28 344	1294	380	405	2079	0	0	0	11	2
28 345	2493	410	600	3503	0	0	0	11	3
28 346	36	28	170	234	0	0	0	11	3
28 347	50	280	870	1200	772	0	0	11	3
28 348	100	90	159	349	0	0	0	11	2
28 349	41	54	199	294	636	0	0	11	3
28 350	0	15	16	31	0	25	50	11	3
28 351	30	15	299	344	1666	25	50	11	3
28 352	0	0	27	27	0	25	50	11	3
28 353	0	0	136	136	1000	15	40	11	3
28 354	19	130	162	311	0	25	50	11	3
28 355	0	84	405	489	2592	0	0	11	2
28 356	68	500	410	978	311	0	0	11	3
28 357	48	203	242	493	0	0	0	11	3

28 358	0	187	447	634	1007	0	0	11	3
28 359	0	0	10	10	0	15	40	11	4
28 360	26	139	39	204	0	15	40	11	4
29 361	49	81	281	411	774	15	30	11	3
29 362	34	127	384	545	2836	15	30	11	3
29 363	0	268	115	383	0	15	30	11	3
29 364	177	440	650	1267	1141	15	30	11	2
29 365	63	2040	825	2928	301	15	30	11	0
29 366	78	580	1320	1978	0	15	30	11	2
29 367	141	300	670	1111	0	15	30	11	3
29 368	68	298	567	933	0	15	30	11	3
29 369	74	650	352	1076	302	0	0	11	4
29 370	120	292	547	959	0	0	0	11	3
29 371	88	559	416	1063	0	0	0	11	2
29 372	227	445	1310	1982	0	0	0	11	3
29 373	30	252	10	292	0	0	0	11	3
29 374	110	330	75	515	0	0	0	11	3
29 375	101	21	176	298	1053	0	0	11	3
29 376	25	36	293	354	0	0	0	11	3
29 377	38	48	138	224	1373	0	0	11	3
29 378	17	27	66	110	834	0	0	11	2
29 379	3130	870	740	4740	69	0	0	11	2
29 380	3489	1070	635	5194	0	0	0	11	2
29 381	177	35	56	268	0	0	0	11	2
29 382	474	222	210	906	894	0	0	11	1
29 383	77	59	74	210	0	0	0	11	2
29 384	407	201	150	758	0	0	0	11	2
29 385	791	470	183	1444	0	0	0	11	0
31 386	934	1010	566	2510	0	0	0	8	2
30 387	360	310	26	696	0	0	0	9	0
30 388	1163	1116	1140	3419	0	0	0	9	0
31 389	403	1131	661	2195	0	0	0	8	0
31 390	971	1441	1320	3732	0	0	0	8	0
30 391	608	580	1524	2712	0	0	0	9	0
30 392	1000	845	192	2037	0	0	0	9	0
30 393	155	116	4800	5071	0	0	0	9	3
30 394	360	150	2800	3310	0	0	0	9	0
30 395	600	1330	2600	4530	0	0	0	9	0
31 396	885	960	930	2775	0	0	0	8	0
31 397	549	420	188	1157	0	0	0	8	0
31 398	543	250	400	1193	0	0	0	8	0
31 399	189	29	185	403	0	0	0	8	0
32 400	0	0	166	166	0	0	0	8	0
32 401	0	0	0	0	0	0	0	8	0
32 402	0	54	49	103	0	0	0	8	0
32 403	253	198	415	866	0	0	0	8	3
32 404	0	31	91	122	463	0	0	8	4
32 405	85	92	194	371	1684	0	0	8	3
32 406	141	236	720	1097	586	0	0	8	3
32 407	0	8	16	24	0	0	0	8	3
32 408	14	90	272	376	251	0	0	8	3
32 409	7	270	470	747	0	0	0	8	3
32 410	111	310	629	1050	1642	0	0	8	3
32 411	118	224	1230	1572	0	0	0	8	3
33 412	1628	1305	1020	3953	0	0	0	11	2
33 413	139	310	246	695	0	0	0	11	3
33 414	43	236	318	597	1380	0	0	11	2
33 415	187	288	880	1355	1719	0	0	11	2
33 416	285	400	1280	1965	0	0	0	11	1
33 417	849	308	429	1586	57	0	0	11	2

33	418	1181	680	541	2402	247	0	0	11	1
33	419	12	12	74	98	0	0	0	11	0
33	420	197	420	549	1166	473	0	0	11	2
33	421	186	90	197	473	0	0	0	11	2
33	422	41	108	418	567	0	0	0	11	3
33	423	564	181	248	993	0	0	0	11	3
33	424	60	20	38	118	0	0	0	11	2
33	425	881	183	396	1460	0	0	0	11	3
33	426	658	400	375	1433	0	0	0	11	3
34	427	1236	660	327	2223	0	15	30	11	0
34	428	9	29	301	339	0	15	30	11	2
34	429	61	168	373	602	894	15	30	11	2
34	430	206	121	245	572	0	100	200	11	1
34	431	997	470	515	1982	0	100	200	11	2
34	432	530	311	407	1248	0	100	200	11	1
34	433	335	297	221	853	0	70	150	11	2
34	434	178	330	427	935	0	100	205	11	1
34	435	248	16	188	452	0	25	50	11	1
34	436	10	24	388	422	1711	25	50	11	1
34	437	33	92	341	466	0	15	30	11	1
34	438	9	43	400	452	2065	15	30	11	2
34	439	29	195	279	503	723	25	50	11	2
34	440	16	100	210	326	2229	80	180	11	1
34	441	159	213	425	797	0	25	50	11	2
34	442	124	206	351	681	1500	15	30	11	2
34	443	0	33	102	135	0	15	30	11	2
34	444	102	371	176	649	825	15	30	11	1
34	445	60	69	272	401	0	15	30	11	2
34	446	208	157	147	512	0	15	30	11	1
34	447	50	74	306	430	0	15	30	11	2
34	448	59	103	328	490	0	25	50	11	3
35	449	165	370	235	770	0	15	30	13	2
35	450	206	244	287	737	0	15	30	13	2
35	451	730	1250	2314	4294	622	60	60	13	1
35	452	129	245	546	920	846	15	30	13	2
35	453	26	60	83	169	0	15	30	13	1
35	454	125	103	398	626	0	15	30	13	1
35	455	273	259	526	1058	3538	25	50	13	1
35	456	500	440	735	1675	0	75	150	13	1
35	457	771	500	468	1739	0	70	150	13	1
35	458	97	48	126	271	0	70	150	13	1
35	459	78	160	165	403	941	25	50	13	1
35	460	336	320	314	970	0	25	50	13	2
35	461	160	310	147	617	0	15	30	13	1
35	462	183	255	390	828	1445	15	30	13	1
35	463	823	725	676	2224	0	15	30	13	1
35	464	499	924	2350	3773	0	25	50	13	2
35	465	58	530	1045	1633	0	25	50	13	1
35	466	121	380	410	911	0	15	30	13	2
35	467	110	450	547	1107	0	15	30	13	2
35	468	178	311	355	844	0	60	100	13	3
35	469	557	580	692	1829	920	70	150	13	2
35	470	113	217	636	966	135	25	50	13	3
35	471	240	580	3200	4020	0	60	60	13	0
35	472	153	323	640	1116	0	25	50	13	3
36	473	74	301	551	926	0	30	70	13	2
36	474	1067	1350	2600	5017	0	0	0	13	1
36	475	581	850	526	1957	0	0	0	13	1
36	476	588	432	1131	2151	663	0	0	13	1
36	477	589	710	738	2037	623	15	30	13	1

36 478	233	167	504	904	0	25	50	13	1	
36 479	221	165	70	456	0	25	50	13	2	
36 480	2635	1771	1530	5936	0	0	0	13	1	
36 481	1077	531	942	2550	0	0	0	13	0	
36 482	540	1900	2530	4970	414	18	73	1	13	1
36 483	440	2150	2056	4646	0	180	447	1	13	3
36 484	12	390	752	1154	0	347	391	1	13	1
36 485	0	0	55	55	0	15	30	13	3	
37 486	24	56	136	216	0	10	20	1	0	
37 487	0	6	891	897	0	130	275	1	1	
37 488	0	25	2433	2458	0	130	275	1	1	0
37 489	1	0	69	70	0	208	666	1	1	0
37 490	9	15	124	148	0	130	275	1	1	0
37 491	27	8	44	79	0	129	129	1	1	0
37 492	1406	440	855	2701	0	20	77	1	1	0
37 493	689	895	2100	3684	0	133	274	1	1	1
37 494	1373	833	1600	3806	0	18	73	1	1	1
38 495	120	47	354	521	0	52	206	1	1	1
38 496	180	282	375	837	0	33	131	1	1	1
38 497	27	213	177	417	0	173	245	1	1	0
38 498	0	93	526	619	0	200	800	1	1	1
38 499	15	195	1240	1450	13179	145	582	1	1	2
38 500	216	219	900	1335	0	123	492	1	1	3
38 501	55	274	641	970	0	200	800	1	1	1
38 502	53	63	92	208	0	320	349	1	1	0
38 503	102	91	115	308	0	392	531	1	1	1
38 504	34	41	89	164	0	370	413	1	1	0
38 505	52	107	101	260	0	400	600	1	1	0
38 506	168	205	707	1080	0	200	800	1	1	0
38 507	274	669	824	1767	0	364	598	1	1	1
38 508	34	680	1600	2314	0	289	404	1	1	1
38 509	200	578	1300	2078	0	200	800	1	1	1
38 510	82	780	2100	2962	0	496	650	1	1	1
38 511	376	990	1000	2366	0	200	800	1	1	0
38 512	249	1056	3100	4405	0	53	140	1	1	0
38 513	126	560	3670	4356	0	414	454	1	1	0
38 514	190	123	449	762	0	453	646	1	1	1
38 515	88	1101	700	1889	0	200	800	1	1	0
38 516	272	435	800	1507	0	200	450	1	1	1
38 517	163	500	840	1503	0	491	594	1	1	1
38 518	442	840	2444	3726	0	398	409	1	1	0
38 519	187	980	4500	5667	0	428	504	1	1	0
38 520	0	13	3230	3243	0	400	564	1	1	0
38 521	11	254	640	905	0	239	669	1	1	4
38 522	444	20	440	904	0	345	414	1	1	0
38 523	59	0	101	160	0	148	178	1	1	0
39 524	34	16	236	286	0	61	191	1	1	1
39 525	105	310	1530	1945	0	247	302	1	1	0
39 526	0	46	83	129	0	77	176	1	1	1
39 527	18	3	124	145	0	237	262	1	1	0
39 528	0	0	1230	1230	0	186	312	1	1	0
39 529	20	31	72	123	0	50	200	1	1	0
39 530	93	266	960	1319	0	4	18	1	1	0
39 531	66	410	1740	2216	0	15	38	1	1	0
39 532	76	161	370	607	0	12	48	1	1	
39 533	26	56	66	148	0	20	40	1	1	
39 534	90	490	471	1051	0	12	48	1	1	1
39 535	20	37	133	190	701	10	40	1	1	
39 536	269	218	290	777	686	0	0	1	1	
39 537	153	108	140	401	1193	0	0	1	1	

39	538	26	50	287	363	0	20	30	1	1
39	539	52	253	327	632	708	15	30	1	2
39	540	164	160	149	473	0	15	30	1	1
40	541	121	176	791	1088	0	15	30	8	1
40	542	124	83	423	630	0	15	30	8	3
40	543	179	350	2000	2529	0	50	150	8	2
40	544	146	366	722	1234	0	50	150	8	2
40	545	45	290	5164	5499	0	50	150	8	2
40	546	78	225	11300	11603	663	20	30	8	3
40	547	296	835	3640	4771	8763	20	30	8	1
41	548	369	360	501	1230	0	25	50	8	1
41	549	423	550	375	1348	0	25	50	8	1
41	550	365	360	305	1030	0	25	50	8	0
41	551	145	221	600	966	0	25	50	8	0
41	552	33	143	76	252	0	25	50	8	2
41	553	97	98	88	283	0	25	50	8	1
41	554	11	90	28	129	0	25	50	8	2
41	555	195	209	492	896	0	25	50	8	1
41	556	115	180	243	538	230	25	50	8	1
41	557	12	47	94	153	539	25	50	8	2
41	558	139	157	493	789	0	25	50	8	2
41	559	178	288	523	989	0	25	50	8	2
41	560	265	610	869	1744	790	80	180	8	1
41	561	22	192	179	393	1015	0	0	8	1
41	562	875	1000	976	2851	0	0	0	8	1
41	563	738	350	421	1509	0	0	0	8	2
41	564	247	106	106	459	0	100	200	8	2
41	565	968	1010	1000	2978	0	100	200	8	2
41	566	128	148	187	463	0	100	200	8	2
41	567	138	305	562	1005	0	100	205	8	2
41	568	424	460	620	1504	491	70	150	8	2
41	569	378	396	1491	2265	0	100	200	8	2
42	570	2660	692	1174	4526	0	0	0	8	3
42	571	2349	697	1264	4310	747	0	0	8	0
42	572	227	2275	14440	16942	0	0	0	8	0
42	573	201	169	646	1016	0	0	0	8	0
42	574	868	954	432	2254	0	0	0	8	0
42	575	206	865	19050	20121	0	0	0	8	0
42	576	5	31	510	546	0	0	0	8	0
42	577	44	19	795	858	0	0	0	8	0
44	578	274	585	285	1144	0	0	0	8	3
44	579	179	2200	1400	3779	0	0	0	8	0
44	580	499	894	480	1873	0	0	0	8	0
44	581	285	1420	3000	4705	0	0	0	8	0
43	582	0	0	0	0	0	0	0	9	0
43	583	53	1580	2350	3983	0	0	0	9	0
43	584	200	2700	1600	4500	0	0	0	9	0
43	585	800	250	150	1200	0	0	0	9	0
43	586	0	2000	0	2000	0	0	0	9	0
43	587	0	30	0	30	0	0	0	9	3
43	588	182	84	415	681	400	0	0	9	3
43	589	308	61	310	679	1166	0	0	9	3
43	590	46	103	84	233	0	0	0	9	3
43	591	9	0	0	9	0	0	0	9	3
43	592	161	182	2650	2993	0	0	0	9	0
43	593	0	1000	277	1277	0	0	0	9	0
44	594	13	33	50	96	0	0	0	8	3
44	595	0	26	85	111	0	0	0	8	2
43	596	54	38	151	243	936	0	0	9	3
43	597	339	41	3360	3740	0	0	0	9	3

43 598	209	46	70	325	0	0	0	9	3
43 599	199	169	235	603	0	0	0	9	2
45 600	42	0	59	101	746	0	0	10	4
45 601	37	0	0	37	523	0	0	10	4
45 602	159	0	33	192	0	0	0	10	3
45 603	25	4	0	29	0	0	0	10	0
45 604	27	0	45	72	0	0	0	10	0
45 605	43	0	0	43	0	0	0	10	0
45 606	87	0	5	92	0	0	0	10	0
45 607	0	0	0	0	0	0	0	10	0
45 608	0	0	20	20	0	0	0	10	0
46 609	37	9	49	95	0	40	100	10	0
46 610	0	0	0	0	0	40	100	10	0
46 611	0	14	0	14	0	40	100	10	0
46 612	0	0	0	0	0	40	100	10	0
46 613	0	0	0	0	0	40	100	10	0
46 614	0	0	0	0	0	40	100	10	0
46 615	31	0	0	31	0	40	100	10	3
46 616	94	0	0	94	0	40	100	10	4
46 617	26	0	0	26	0	40	100	10	0
47 618	135	59	6	200	0	15	30	10	4
47 619	21	62	50	133	0	15	30	10	3
47 620	21	0	114	135	1609	15	30	10	3
47 621	27	0	0	27	0	40	100	10	3
47 622	11	0	55	66	1019	40	100	10	4
47 623	44	15	891	950	1354	0	0	10	4
47 624	102	0	0	102	0	15	30	10	3
47 625	66	0	0	66	0	15	30	10	3
47 626	0	208	37	245	0	15	30	10	3
48 627	30	31	1429	1490	14248	0	0	9	2
48 628	9	10	195	214	0	0	0	9	0
48 629	102	13	62	177	0	0	0	9	3
48 630	120	200	335	655	0	0	0	9	3
48 631	23	104	120	247	0	0	0	9	3
48 632	38	200	165	403	569	0	0	9	3
48 633	72	119	138	329	810	0	0	9	3
48 634	44	40	230	314	3029	0	0	9	3
48 635	90	78	200	368	0	0	0	9	3
48 636	0	220	67	287	0	0	0	9	4
48 637	24	200	573	797	5395	0	0	9	4
48 638	0	210	105	315	0	0	0	9	3
48 639	0	110	24	134	0	0	0	9	3
48 640	24	0	65	89	557	0	0	9	4
48 641	0	390	33	423	0	0	0	9	3
48 642	0	160	74	234	0	0	0	9	4
48 643	0	0	32	32	0	0	0	9	4
48 644	56	190	247	493	997	0	0	9	3
48 645	0	15	136	151	0	0	0	9	3
48 646	9	19	15	43	0	0	0	9	3
48 647	21	76	205	302	546	0	0	9	3
49 648	207	110	433	750	0	0	0	8	3
49 649	21	0	135	156	0	0	0	8	3
49 650	9	48	136	193	0	0	0	8	3
49 651	0	89	0	89	0	0	0	8	3
49 652	52	50	805	907	0	0	0	8	3
49 653	117	73	225	415	903	0	0	8	4
49 654	9	37	214	260	0	0	0	8	3
49 655	0	47	173	220	0	0	0	8	4
49 656	0	0	47	47	0	0	0	8	3
49 657	49	24	130	203	0	0	0	8	3

49 658	58	141	485	684	0	0	0	8	4
49 659	0	23	78	101	55	0	0	8	2
49 660	0	143	274	417	561	0	0	8	3
49 661	69	400	159	628	81	0	0	8	3
49 662	40	89	56	185	0	0	0	8	3
49 663	33	165	235	433	1893	0	0	8	3
49 664	330	70	78	478	0	0	0	8	2
49 665	32	90	340	462	819	0	0	8	3
50 666	80	310	435	825	0	0	0	8	3
50 667	102	330	900	1332	0	0	0	8	3
50 668	0	67	349	416	0	0	0	8	2
50 669	41	170	155	366	639	0	0	8	2
50 670	145	500	585	1230	0	0	0	8	2
50 671	173	220	491	884	0	0	0	8	3
50 672	290	250	373	913	797	0	0	8	2
50 673	16	170	380	566	0	0	0	8	2
50 674	97	60	245	402	0	0	0	8	3
50 675	95	145	533	773	0	0	0	8	2
50 676	67	140	690	897	0	0	0	8	2
50 677	111	350	830	1291	2128	0	0	8	2
50 678	9	98	2040	2147	93	0	0	8	3
50 679	183	630	1500	2313	0	0	0	8	3
50 680	49	180	440	669	0	0	0	8	2
50 681	0	29	32	61	0	0	0	8	0
50 682	159	790	1200	2149	0	0	0	8	3
50 683	0	0	80	80	0	0	0	8	0
51 684	75	0	10	85	0	40	40	8	3
51 685	222	60	213	495	439	20	40	8	2
51 686	224	370	483	1077	0	0	0	8	2
51 687	102	275	702	1079	780	30	75	8	2
51 688	137	350	775	1262	240	30	75	8	2
51 689	239	670	900	1809	778	0	0	8	3
51 690	228	510	531	1269	901	20	40	8	3
51 691	779	460	797	2036	0	40	40	8	2
51 692	322	410	369	1101	0	20	40	8	1
51 693	152	380	311	843	370	20	40	8	2
51 694	517	820	1850	3187	771	0	0	8	2
51 695	244	460	1900	2604	2411	40	75	8	2
51 696	407	525	899	1831	0	40	75	8	1
51 697	767	1220	1100	3087	0	50	170	8	1
51 698	473	600	1300	2373	2353	0	0	8	2
51 699	38	74	106	218	0	20	20	8	2
51 700	179	142	319	640	0	20	20	8	2
51 701	83	49	1370	1502	0	0	0	8	1
51 702	428	550	1411	2389	0	0	0	8	1
51 703	369	1122	1675	3166	337	120	250	8	1
51 704	542	810	1435	2787	1354	20	150	8	1
51 705	340	500	1725	2565	276	20	20	8	1
51 706	204	370	338	912	0	50	120	8	1
51 707	495	420	836	1751	60	25	75	8	1
52 708	48	150	81	279	0	25	75	1	3 0
52 709	383	700	3050	4133	0	228	348	1	3 1
52 710	561	41	1815	2417	0	251	396	1	3 4
52 711	161	0	0	161	0	130	275	1	3 4
52 712	648	1220	6305	8173	0	46	182	1	3 2
52 713	481	730	4720	5931	481	272	383	1	3 2
52 714	169	310	1530	2009	0	111	446	1	3 1
52 715	168	210	1853	2231	0	360	488	1	3 4
53 716	1087	120	88	1295	0	30	120	1	3 3
53 717	41	19	186	246	0	10	10	1	3 3

53	718	74	375	1006	1455	158	44	44	1	3	2
54	719	132	240	613	985	0	10	10	1	3	1
54	720	320	200	448	968	0	75	150	1	3	1
54	721	230	570	474	1274	0	25	75		3	2
54	722	36	132	80	248	0	10	10		3	2
54	723	452	510	1309	2271	760	10	10		3	3
54	724	171	430	903	1504	0	0	0		3	2
54	725	205	300	921	1426	1026	50	150		3	3
54	726	409	440	1330	2179	0	25	150		3	2
54	727	65	77	159	301	105	25	150		3	2
54	728	0	120	590	710	0	25	50		3	4
54	729	155	205	1300	1660	598	25	50		3	2
54	730	137	27	155	319	0	50	100		3	4
54	731	343	630	3800	4773	0	50	100		3	3
54	732	356	240	980	1576	0	50	100		3	3
54	733	283	450	1408	2141	592	25	50		3	2
54	734	221	270	769	1260	79	25	50		3	3
54	735	350	190	1120	1660	1187	25	50		3	3
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54	737	180	265	604	1049	186	25	25		3	2
55	738	324	260	326	910	0	10	20		3	2
55	739	215	179	148	542	0	25	50		3	2
55	740	17	680	638	1335	0	25	50		3	3
55	741	66	231	757	1054	0	25	50		3	3
55	742	282	410	555	1247	0	25	50		3	2
55	743	103	325	675	1103	0	25	50		3	3
56	744	28	260	470	758	150	25	50		3	2
56	745	227	129	419	775	0	25	50		3	2
56	746	534	680	1750	2964	331	10	20		3	2
56	747	40	119	330	489	0	10	20		3	2
56	748	145	192	494	831	293	20	25		3	1
56	749	51	11	45	107	0	20	25		3	4
56	750	72	57	208	337	1203	25	50		3	4
56	751	71	52	35	158	99	25	50		3	4
56	752	28	98	40	166	0	0	0		3	4
56	753	88	375	1250	1713	1232	0	0		3	2
56	754	491	400	702	1593	0	0	0		3	4
56	755	708	240	232	1180	0	0	0		3	4
56	756	213	174	590	977	0	0	0		3	3
56	757	219	194	1057	1470	0	0	0		3	3
55	758	228	840	2500	3568	0	0	0		3	2
55	759	80	500	1350	1930	0	0	0		3	2
55	760	78	289	1550	1917	0	0	0		3	1
55	761	445	420	1145	2010	0	0	0		3	1
55	762	528	700	2100	3328	0	0	0		3	2
55	763	406	1040	3000	4446	0	0	0		3	2
55	764	176	350	1000	1526	517	0	0		3	2
55	765	98	430	1445	1973	228	0	0		3	2
55	766	228	113	918	1259	0	0	0		3	2
55	767	102	47	115	264	0	0	0		3	3
55	768	41	15	177	233	0	0	0		3	3
55	769	26	157	1000	1183	0	0	0		3	2
56	770	50	66	510	626	0	0	0		3	4
56	771	72	206	908	1186	2220	0	0		3	4
56	772	45	78	390	513	0	0	0		3	4
57	773	0	0	0	0	0	0	0		4	4
57	774	12	2	24	38	0	0	0		4	4
57	775	33	0	24	57	0	0	0		4	4
57	776	64	36	50	150	0	0	0		4	4
57	777	41	400	1420	1861	971	0	0		4	4

57 778	0	0	242	242	0	40	100	4	1
57 779	118	216	2600	2934	13192	40	100	4	1
57 780	27	23	398	448	0	40	100	4	4
57 781	0	32	71	103	0	50	100	4	4
57 782	132	445	3150	3727	0	50	100	4	0
57 783	67	420	1800	2287	327	0	0	4	2
57 784	365	242	275	882	0	0	0	4	2
57 785	122	290	834	1246	155	40	100	4	1
57 786	0	32	81	113	0	15	30	4	2
57 787	15	10	19	44	0	40	100	4	3
57 788	9	97	200	306	549	40	100	4	3
57 789	54	21	121	196	0	40	100	4	3
57 790	0	31	160	191	1836	40	100	4	4
57 791	0	0	163	163	1216	15	30	4	3
57 792	169	160	467	796	0	0	0	4	3
58 793	0	0	52	52	310	15	30	4	4
58 794	942	870	428	2240	0	15	30	4	4
58 795	0	10	22	32	0	0	0	4	0
58 796	0	14	12	26	430	0	0	4	3
58 797	24	23	58	105	0	0	0	4	4
58 798	100	310	536	946	0	0	0	4	3
58 799	0	199	320	519	946	0	0	4	3
58 800	41	81	285	407	2734	0	0	4	4
58 801	29	9	333	371	0	0	0	4	3
58 802	23	107	240	370	1403	0	0	4	4
58 803	84	161	79	324	569	0	0	4	4
58 804	18	43	18	79	0	0	0	4	3
58 805	28	30	369	427	2917	0	0	4	3
58 806	0	19	109	128	774	0	0	4	3
58 807	31	81	80	192	714	0	0	4	3
58 808	14	0	0	14	0	20	40	4	3
58 809	44	450	149	643	0	20	40	4	4
59 810	20	0	0	20	0	0	0	10	4
59 811	51	0	39	90	530	0	0	10	4
59 812	7	0	314	321	0	0	0	10	4
59 813	0	260	43	303	0	0	0	10	0
59 814	109	21	179	309	879	0	0	10	4
59 815	126	30	337	493	3795	0	0	10	4
59 816	195	11	69	275	922	0	0	10	3
60 817	239	31	9	279	1086	0	0	10	3
60 818	38	435	93	566	0	0	0	10	3
60 819	69	0	20	89	0	0	0	10	3
60 820	31	0	154	185	961	0	0	10	3
60 821	0	260	330	590	0	0	0	10	3
60 822	73	104	35	212	0	0	0	10	3
60 823	139	0	0	139	0	0	0	10	4
60 824	0	0	0	0	0	0	0	10	4
60 825	0	0	0	0	0	40	100	10	0
60 826	18	0	0	18	0	40	100	10	0
60 827	0	0	0	0	0	40	100	10	0
60 828	18	0	0	18	0	40	100	10	0
60 829	18	0	0	18	0	40	100	10	0
60 830	0	0	0	0	0	40	100	10	0
60 831	72	0	0	72	0	40	100	10	0
61 832	41	0	0	41	0	40	100	6	3
61 833	27	0	0	27	0	40	100	6	0
61 834	14	0	0	14	0	40	100	6	0
61 835	21	0	0	21	0	40	100	6	0
61 836	32	0	0	32	0	40	100	6	0
62 837	23	0	0	23	0	15	30	6	4

62 838	59	0	1	60	0	15	30	6	3
62 839	26	0	1	27	0	0	0	6	3
62 840	64	0	0	64	0	0	0	6	4
62 841	52	0	10	62	0	0	0	6	4
62 842	67	0	0	67	0	0	0	6	3
62 843	48	0	1	49	0	0	0	6	3
62 844	0	0	0	0	0	0	0	6	3
62 845	17	0	16	33	0	0	0	6	4
62 846	48	115	25	188	0	0	0	6	4
62 847	278	610	0	888	0	0	0	6	0
62 848	7	0	0	7	0	0	0	6	4
62 849	0	0	80	80	0	0	0	6	0
61 850	58	0	30	88	0	0	0	6	4
61 851	116	0	0	116	0	0	0	6	4
61 852	0	0	20	20	0	0	0	6	0
61 853	62	9	142	213	2069	0	0	6	4
61 854	64	0	210	274	0	0	0	6	3
61 855	0	280	50	330	0	0	0	6	0
63 856	0	27	54	81	0	0	0	6	0
63 857	26	0	280	306	780	0	0	6	4
63 858	0	123	43	166	0	0	0	6	4
63 859	27	200	46	273	0	0	0	6	4
63 860	22	105	81	208	859	0	0	6	4
63 861	31	118	144	293	1525	0	0	6	4
64 862	61	126	0	187	166	0	0	6	0
64 863	65	0	0	65	0	0	0	6	0
64 864	5	0	0	5	0	75	150	6	0
64 865	128	0	326	454	0	75	150	6	3
64 866	0	0	310	310	2336	75	150	6	0
64 867	17	5	48	70	540	75	150	6	3
64 868	81	260	290	631	0	0	0	6	3
64 869	240	430	0	670	0	0	0	6	4
65 870	193	160	81	434	0	0	25	4	3
65 871	90	0	119	209	739	20	40	4	4
65 872	12	17	75	104	981	20	40	4	4
65 873	0	73	130	203	240	0	0	4	4
65 874	61	81	182	324	0	0	25	4	4
65 875	22	62	2625	2709	27728	0	25	4	0
65 876	31	283	520	834	196	0	25	4	2
65 877	30	74	125	229	0	0	0	4	3
65 878	0	1160	420	1580	0	0	0	4	4
65 879	0	19	210	229	368	0	0	4	3
65 880	43	116	180	339	0	0	0	4	3
65 881	65	386	378	829	569	0	25	4	4
65 882	29	13	34	76	0	0	25	4	3
65 883	22	68	113	203	835	0	0	4	3
65 884	16	48	312	376	71	0	0	4	3
65 885	51	47	54	152	0	0	0	4	3
65 886	42	0	37	79	0	0	0	4	4
65 887	37	13	40	90	0	0	0	4	4
65 888	100	310	2830	3240	0	0	0	4	3
65 889	21	24	264	309	3009	0	0	4	4
65 890	50	17	16	83	0	0	0	4	4
65 891	684	640	708	2032	0	0	0	4	3
65 892	15	18	111	144	562	0	0	4	3
66 893	0	240	50	290	151	0	0	4	4
66 894	77	173	905	1155	742	0	0	4	4
66 895	0	79	469	548	0	0	0	4	3
66 896	275	520	3200	3995	0	0	0	4	0
66 897	30	3300	411	3741	0	0	0	4	0

66 898	0	14	50	64	0	0	0	4	3
66 899	0	0	5	5	0	0	0	4	4
66 900	15	44	22	81	0	0	0	4	3
66 901	14	23	147	184	111	0	0	4	4
66 902	0	0	14	14	0	15	30	4	4
66 903	0	0	20	20	57	15	30	4	3
67 904	171	520	2765	3456	313	0	0	4	3
67 905	18	52	255	325	0	0	0	4	2
67 906	28	14	49	91	568	0	0	4	2
67 907	32	105	130	267	0	0	0	4	3
67 908	6	110	136	252	0	0	0	4	4
67 909	214	620	1050	1884	0	0	0	4	2
67 910	11	166	164	341	1430	0	0	4	3
67 911	0	0	66	66	301	0	0	4	4
67 912	27	18	37	82	0	25	50	4	4
67 913	32	16	123	171	0	0	0	4	4
67 914	10	15	53	78	0	0	0	4	4
67 915	9	12	162	183	271	0	0	4	4
67 916	48	27	214	289	1060	0	0	4	4
67 917	206	246	555	1007	0	0	0	4	3
67 918	0	74	142	216	0	0	0	4	4
67 919	0	112	81	193	0	0	0	4	3
67 920	9	0	63	72	0	0	0	4	4
67 921	16	13	115	144	0	0	0	4	4
67 922	25	0	260	285	2415	0	0	4	4
67 923	0	332	335	667	0	0	0	4	3
67 924	15	665	302	982	0	0	0	4	3
67 925	37	0	18	55	0	0	0	4	4
67 926	0	0	149	149	1906	0	0	4	4
67 927	0	0	84	84	0	0	0	4	4
67 928	35	24	168	227	908	0	0	4	4
68 929	15	50	137	202	0	0	0	5	4
68 930	18	49	169	236	968	0	0	5	4
68 931	27	21	13	61	0	0	0	5	4
68 932	0	0	0	0	0	0	0	5	4
68 933	19	0	46	65	362	0	0	5	4
68 934	27	0	0	27	0	0	0	5	4
68 935	29	45	96	170	251	0	0	5	4
68 936	0	107	244	351	0	0	0	5	2
68 937	0	281	43	324	0	0	0	5	2
68 938	57	319	329	705	0	0	0	5	2
68 939	51	276	239	566	616	0	0	5	3
68 940	0	138	179	317	0	0	0	5	3
68 941	25	0	183	208	1482	0	0	5	4
68 942	15	0	91	106	829	0	0	5	4
68 943	28	64	54	146	380	0	0	5	4
68 944	34	277	280	591	0	0	0	5	3
69 945	58	276	629	963	73	20	40	5	3
69 946	34	15	52	101	0	20	40	5	4
69 947	41	0	99	140	1193	20	40	5	3
69 948	9	76	163	248	584	20	40	5	3
69 949	62	0	175	237	1410	75	150	5	4
69 950	105	26	42	173	0	75	150	5	3
69 951	0	18	151	169	579	40	80	5	1
69 952	7	12	42	61	0	40	80	5	4
69 953	26	150	151	327	0	40	80	5	3
69 954	337	420	262	1019	459	40	80	5	1
70 955	26	134	34	194	0	0	0	5	4
70 956	48	39	221	308	1659	0	0	5	4
70 957	31	6	110	147	786	0	0	5	3

70 958	0	40	135	175	0	0	0	5	3
70 959	10	0	0	10	0	0	0	5	4
70 960	29	43	222	294	0	0	0	5	3
70 961	16	21	74	111	0	0	0	5	3
70 962	0	34	84	118	709	0	0	5	4
70 963	24	19	35	78	499	0	0	5	4
70 964	30	20	248	298	0	0	0	5	2
70 965	74	0	0	74	0	0	0	5	4
70 966	10	0	0	10	0	0	0	5	0
70 967	0	0	93	93	936	0	0	5	4
70 968	0	0	11	11	0	0	0	5	0
70 969	36	0	95	131	0	0	0	5	0
70 970	36	0	14	50	0	0	0	5	2
71 971	12	0	0	12	0	0	0	5	0
71 972	82	0	10	92	0	0	0	5	4
71 973	51	0	126	177	222	0	0	5	2
71 974	211	72	65	348	0	0	0	5	2
71 975	69	90	230	389	1582	0	0	5	1
71 976	41	72	0	113	0	0	0	5	2
70 977	0	40	354	394	0	0	0	5	4
70 978	51	256	83	390	0	0	0	5	2
70 979	144	2430	450	3024	0	0	0	5	4
70 980	36	365	285	686	806	0	0	5	4
69 981	448	870	960	2278	146	25	50	5	1
72 982	53	103	684	840	2399	25	50	6	2
72 983	25	77	95	197	0	25	50	6	3
72 984	62	0	96	158	862	50	100	6	3
72 985	0	0	0	0	0	50	100	6	3
72 986	74	0	71	145	1044	50	100	6	3
72 987	66	0	0	66	0	75	150	6	4
72 988	49	0	0	49	0	0	0	6	3
72 989	87	0	48	135	0	0	0	6	3
72 990	34	0	58	92	0	50	100	6	1
73 991	190	8	30	228	0	0	0	6	2
73 992	107	47	0	154	0	20	20	6	1
73 993	115	21	0	136	0	40	100	6	3
73 994	87	0	45	132	0	20	20	6	1
73 995	65	0	0	65	0	0	0	6	2
73 996	45	0	0	45	0	40	80	6	2
73 997	18	0	0	18	0	0	0	6	3
73 998	88	22	0	110	0	0	0	6	4
73 999	175	27	17	219	0	0	0	6	2
731000	109	0	235	344	104	40	80	6	2
741001	139	0	0	139	0	0	0	7	3
741002	323	0	14	337	0	0	0	7	2
741003	109	3	23	135	0	0	0	7	2
741004	108	0	145	253	1961	0	0	7	4
741005	69	13	0	82	0	0	0	7	4
741006	77	1	0	78	0	0	0	7	4
741007	138	0	0	138	0	0	0	7	1
741008	151	40	0	191	0	0	0	7	3
741009	328	13	6	347	0	0	0	7	3
741010	209	20	0	229	0	0	0	7	3
741011	55	15	0	70	0	0	0	7	2
751012	134	0	23	157	0	0	0	7	3
751013	73	0	0	73	0	0	0	7	4
751014	75	7	0	82	0	0	0	7	3
751015	18	0	22	40	0	0	0	7	0
751016	80	0	15	95	72	0	0	7	3
751017	123	4	20	147	0	0	0	7	3

[illegible]

791078	0	0	0	0	0	0	0	7	0
791079	0	0	30	30	0	0	0	7	0
791080	0	0	66	66	0	0	0	7	0
791081	4	0	0	4	0	0	0	7	0
791082	24	48	22	94	0	0	0	7	0
791083	0	63	125	188	0	0	0	7	0
791084	377	117	123	617	0	0	0	7	3
791085	114	14	33	161	0	0	0	7	0
791086	34	0	11	45	0	0	0	7	3
791087	33	12	25	70	79	0	0	7	2
791088	64	97	52	213	582	0	0	7	2
791089	4	0	0	4	0	0	0	7	2

 KN630MS.MIY86.DATA(ZDATA3)

3	5	73A+171150	75	5	20
3	5	83A+ 37752	100		
3	11	107A+ 23376	15	85	
3	11	117A+ 38544	100		
3	5	260A+153120	100		
3	10	333A+ 44880	100		
3	11	365A+158400	100		
3	11	368A+ 50160	100		
3	11	369A+ 47520	100		
3	16	575AT167280		100	
3	14	586A+149160	100		
3	20	593A+ 85008	100		
3	20	630A+ 34320	100		
3	20	636A+ 26400	100		
3	20	642A+ 51600	90	10	
3	19	667A+ 32472	100		
3	17	682A+ 31680	100		
3	21	821A+ 28776	100		
3	22	881A+ 46042	100		
3	22	897A+132000	100		
3	23	923A+ 34320	100		
3	23	938A+ 26400	100		
3	22	945A+ 58872	100		
3	24	978A+ 54648	100		
3	24	979A+158400	100		
3	261048A+	34320	100		

80018000

AVENTURA MALL
 SKYLAKE MALL
 BISC KNL CLUB & CALDER
 CAROL CITY SC
 163RD STREET MALL
 N'SIDE & 79TH STREET SC
 WESTLAND MALL
 PALM SPRGS MILE SHOP'G
 PALM SPRGS MILE SHOP'G
 MIA -TERMINAL & SE AREA
 INTERNATIONAL MALL
 MIDWAY MALL
 CONCORD SC
 ZAYRES-CORAL WAY SC
 WESTCHESTER SC
 AIRPORT PLAZA SC
 CENTRAL PLAZA SC
 KENDALL LAKES SC
 KENDALL MALL
 DADELAND MALL
 SUNILAND S C
 PERRINE S C
 THE FALLS MALL
 CUTLER RIDGE S C
 CUTLER RIDGE MALL
 SOUTH DADE PLAZA S C

KN630MS.MIY86.DATA(ZDATA4)

4	281090	21100
4	291091	27000
4	301092	0
4	311093	12500
4	321094	0
4	331095	133500
4	341096	5800
4	351097	5400
4	361098	35900
4	371099	41000
4	381100	30000
4	391101	5200
4	401102	7800
4	411103	17400
4	421104	17100
4	431105	0
4	441106	15700
4	451107	8300
4	461108	3800
4	471109	12500
4	481110	3400

 KN630MS.MIY86.DATA(FF)

1	939180923732999945999884999201999735939180
2	856783826139902589894790912900911068856783
3	774386728547805234789698826599822400774386
4	691989630954707878684605740297733733691989
5	609592533361610522579512653996645066609592
6	527195435768513166474418567695556398527195
7	444798338176415810369325481394467731444798
8	362401240583318455264232395092379063362401
9	280004142990221099159139308791290396280004
10	213643 95098159610107363237390220315213643
11	165013 64646117425 74221184616169230165013
12	128981 44884 87970 52524145186131558128981
13	101994 31804 67054 38013115420103468101994
14	81571 22982 51963 28107 92721 82294 81571
15	65960 16923 40905 21211 75242 66166 65960
16	53911 12688 32683 16322 61656 53759 53911
17	44525 9680 26484 12793 51000 44120 44525
18	37146 7508 21747 10205 42568 36563 37146
19	31295 5916 18081 8275 35840 30583 31295
20	26617 4732 15210 6815 30427 25810 26617
21	22848 3839 12934 5695 26038 21969 22848
22	19789 3157 11109 4824 22452 18853 19789
23	17286 2630 9630 4138 19500 16304 17286
24	15226 2217 8418 3590 17054 14205 15226
25	13520 1890 7415 3148 15012 12463 13520
26	12097 1628 6576 2787 13297 11007 12097
27	10904 1416 5867 2489 11846 9782 10904
28	9899 1243 5261 2240 10611 8745 9899
29	9048 1099 4739 2029 9554 7860 9048
30	8324 980 4284 1848 8643 7100 8324
31	7705 879 3882 1692 7853 6445 7705
32	7174 794 3526 1554 7164 5874 7174
33	6717 720 3205 1431 6559 5376 6717
34	6323 656 2915 1320 6026 4937 6323
35	5982 600 2649 1219 5552 4549 5982
36	5685 550 2405 1125 5129 4202 5685
37	5427 505 2178 1037 4749 3891 5427
38	5202 465 1967 954 4405 3611 5202
39	5005 428 1770 874 4092 3356 5005
40	4832 394 1586 798 3806 3123 4832
41	4680 362 1413 725 3543 2908 4680
42	4546 332 1251 654 3299 2710 4546
43	4427 304 1100 586 3073 2525 4427
44	4321 278 959 521 2861 2352 4321
45	4226 252 830 459 2663 2190 4226
46	4140 228 711 400 2475 2036 4140
47	4061 205 603 345 2298 1891 4061
48	3987 183 506 294 2130 1752 3987
49	3918 163 419 247 1970 1621 3918
50	3852 143 343 205 1818 1495 3852
51	3788 125 277 167 1673 1374 3788
52	3724 108 221 134 1534 1260 3724
53	3660 93 173 106 1403 1150 3660
54	3594 78 133 82 1277 1046 3594
55	3526 66 101 63 1158 947 3526
56	3454 54 76 47 1046 853 3454

57	3378	44	55	34	939	764	3378
58	3297	36	40	24	839	680	3297
59	3211	28	28	17	746	603	3211
60	3119	22	19	12	659	530	3119
61	3022	17	13	8	578	463	3022
62	2918	13	9	5	504	402	2918
63	2808	9	6	3	436	346	2808
64	2691	7	4	2	375	295	2691
65	2570	5	2	1	320	250	2570
66	2443	3	1	1	270	210	2443
67	2311	2	1	1	227	175	2311
68	2176	2	1	1	189	144	2176
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T 4248 4250 4249	4250 4248 4249	4249 4248 4250
T 4250 4248 4247	4247 4248 4250	2015 2017 2064
T 2064 2017 2015	1718 2420 1724	3978 2017 2064
T 4403 4408 4583	4583 4408 4403	2667 2668 2669
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T 4201 4202 4193	4193 4202 4203	4203 4202 4193
T 4469 4479 4478	4478 4479 4469	4469 4479 4480
T 4480 4479 4469	4468 4469 4479	4479 4469 4468
T 4663 4469 4479	4479 4469 4663	5328 5324 5326
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T 1902 1900 1897	1899 1900 1901	1901 1900 1902
T 1920 1898 1899	1899 1898 4158	4158 1898 4164
T 4164 1898 1920	1909 1901 1910	1902 1904 1906
T 1914 1912 1916	1919 1920 1913	1917 1918 1919
T 4707 4708 4732		
T 4546 4539 4547	4570 4547 4559	4500 4499 4498
T 4501 4499 4500	4577 4580 4570	6183 6182 6141
T 6141 6182 6183	6183 6182 6186	6186 6182 6183
T 6178 6184 6183	6183 6184 6178	6187 6184 6183
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T 6307 6233 6238	6238 6233 6307	6306 6307 6233
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T 5586 5588 5587	5588 5587 5487	
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T 5599 5669 5603	5603 5669 5599	5487 5587 5582
T 5607 5606 5610	5610 5606 5607	
T 5604 5606 5610	5610 5606 5604	5607 5608 5609
T 5405 5403 5415	5415 5403 5405	5403 5249 5245
T 5245 5249 5403	5403 5249 5255	5255 5249 5403
T 5609 5610 5606	1878 1846 1847	1867 1872 1879
T 1819 1822 1821	1821 1822 1824	1822 1821 1820
T 1783 1767 1768	1723 1768 1740	1726 1728 1731
T 1723 1768 1769	1719 1732 1733	
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T 4946 4957 4956	4956 4957 4964	
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T 4953 4954 4962	3978 2017 2015	

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1	5603	905	1732	00	00	4.5	2.0	DADELAND SOUTH
2	5610	896	1663	00	00	5.0	1.0	DADELAND NORTH
3	5509	784	1362	00	00	2.0	0.8	SOUTH MIAMI
4	5527	777	299	00	00	2.0	0.9	UNIVERSITY
5	5439	755	440	00	00	2.5	0.8	DOUGLAS ROAD
6	5309	745	199	00	00	2.0	0.8	COCONUT GROVE
7	5325	727	91	00	00	2.0	0.8	VIZCAYA
8	5196	713	1	9999	9999	9.9	1.7	BRICKELL
9	4759	505	1	9999	9999	9.9	2.5	GOVT. CENTER
10	4748	534	34	00	00	2.0	0.8	OVERTOWN
11	4493	541	92	00	00	2.0	0.8	CULMER
12	4477	546	1	9999	9999	9.9	1.7	CIVIC CENTER
13	4356	549	180	00	00	3.5	2.5	SANTA CLARA
14	4216	448	66	00	00	3.0	2.0	ALLAPATTAH
15	4193	435	25	00	00	3.5	2.5	E. HEIGHTS
16	4054	436	428	00	00	3.5	2.5	BROWNSVILLE
17	4052	326	200	00	00	3.5	2.5	MARTIN L. KING
18	2988	334	294	00	00	3.5	2.5	NORTHSIDE
19	2966	418	318	00	00	3.0	2.0	HIALEAH
20	2938	382	1009	00	00	3.5	2.5	OKEECHOBEE
21	1721	244	1350	00	00	5.0	0.5	GOLDEN GLADES

 KN630MS.MIY86.DATA(CENTROID)

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	-11,	1512,	-11,	1516,	-12,	1518,	-13,	1517,	-14,	1523,
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	-25,	1563,	-26,	1552,	-26,	1553,	-26,	1556,	-27,	1556,
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	-36,	1606,	-37,	1621,	-37,	1627,	-39,	1612,		
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&ROUTE M=1,ONEWAY=F,

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&ROUTE M=1,ONEWAY=F,

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&ROUTE M=1,ONEWAY=F,

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&ROUTE M=1,ONEWAY=F,

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 KN630MS.MIY86.DATA(CENTROID)

*** CENTROID CONNECTORS ***

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	-11,	1512,	-11,	1516,	-12,	1518,	-13,	1517,	-14,	1523,
	-14,	1524,	-15,	1518,	-15,	1522,	-15,	1523,	-15,	1527,
	-16,	1522,	-17,	1507,	-18,	1526,	-18,	1536,	-19,	1527,
	-19,	1531,	-19,	1537,	-20,	1531,	-20,	1532,	-21,	1542,
	-22,	1537,	-22,	1553,	-23,	1539,	-23,	1547,	-24,	1544,
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	-31,	1579,	-32,	1576,	-32,	1582,	-32,	1586,	-33,	1573,
	-33,	1584,	-34,	1593,	-34,	1598,	-35,	1591,	-35,	1596,
	-36,	1606,	-37,	1621,	-37,	1627,	-39,	1612,		
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	-42,	1632,	-43,	1634,	-44,	1633,	-45,	1637,	-46,	1642,
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	-62,	2464,	-62,	2582,	-63,	2354,	-64,	2464,	-65,	2342,
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&END

 &ROUTE M=1,ONEWAY=F,

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	-77,	2096,	-78,	2032,	-78,	2092,	-79,	2199,	-80,	2091,
	-81,	2198,	-82,	2196,	-82,	2197,	-82,	2341,	-83,	2192,
	-83,	2196,	-83,	2334,	-84,	2189,	-84,	2191,	-85,	2190,
	-85,	2193,	-86,	2193,	-87,	2087,	-87,	2090,	-87,	2197,
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	-108,	2011,	-109,	2057,	-110,	2062,	-110,	2154,	-111,	2156,
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	-117,	2151,	-118,	2141,	-118,	2144,	-119,	2139,	-119,	2142,
	-120,	2142,	-120,	2147,	-120,	2149,	-121,	2057,	-122,	2056,
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	-131,	2129,	-131,	2131,	-132,	2050,	-132,	2126,	-132,	2130,
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	-135,	2124,	-135,	2126,	-136,	2124,	-136,	2128,	-136,	2231,
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&ROUTE M=1,ONEWAY=F,

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&ROUTE M=1,ONEWAY=F,

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&ROUTE M=1,ONEWAY=F,

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&ROUTE M=1,ONEWAY=F,

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-1045, 6178, -1045, 6236, -1046, 6229, -1046, 6231, -1046, 6236,
-1047, 6221, -1047, 6223, -1047, 6227, -1048, 6218, -1048, 6221,
-1049, 6272, -1049, 6276, -1050, 6277, -1051, 6279, -1052, 6283,
-1053, 6244, -1053, 6286, -1054, 6243, -1055, 6189, -1055, 6191,
-1056, 6188, -1057, 6189, -1057, 6191, -1058, 6097, -1058, 6138,
-1058, 6142, -1059, 6143, -1060, 6099, -1060, 6101, -1061, 6146,
-1062, 6148, -1065, 6286, -1066, 6326, -1067, 6352, -1068, 6349,
&END

```

&ROUTE M=1,ONEWAY=F,

```

N= 1068, 6352, -1069, 6348, -1069, 6351, -1070, 6322, -1071, 6283,
-1071, 6323, -1072, 6319, -1073, 6319, -1074, 6314, -1075, 6311,
-1075, 6314, -1076, 6313, -1077, 6317, -1078, 6318, -1079, 6347,
-1080, 6309, -1080, 6339, -1081, 6309, -1081, 6311, -1082, 6269,

```

-1083, 6301, -1083, 6306, -1084, 6303, -1085, 6337, -1085, 6339,
-1086, 6338, -1087, 6298, -1087, 6299, -1088, 6297, -1088, 6299,
-1089, 6292, -1089, 6296,
-38, 1614, -38, 1617, -296, 2802, -624, 5071,
&END

 KN630MS.MIY86.DATA(CBDWALK)

*** CBD WALK LG (WITHOUT CENTROID CONNECTORS) ***

&ROUTE M=1,ONEWAY=F,

N= 4368, 4374,-4377, 4378,-4378, 4383,
 -4383, 4384,-4490, 4496,-4491, 4492,
 -4493, 4494,-4494, 4676,-4497, 4493,-4506, 4497,
 -4506, 4507,-4507, 4687,-4511, 4518,-4512, 4519,-4513, 4514,
 -4514, 4516,-4516, 4522,-4517, 4518,-4518, 4524,-4519, 4526,
 -4520, 4521,-4521, 4514,-4521, 4522,-4522, 4528,-4522, 4734,
 -4523, 4524,-4527, 4521,-4527, 4528,-4528, 4530,-4528, 4742,
 -4529, 4527,-4529, 4530,-4530, 4538,-4532, 4533,-4533, 4534,
 -4533, 4543,-4537, 4529,-4537, 4538,-4538, 4549,-4538, 4766,
 -4540, 4550,-4541, 4540,-4542, 4541,-4542, 4551,-4543, 4542,
 -4543, 4556,-4544, 4543,-4546, 4544,-4547, 4559,-4548, 4537,
 -4548, 4546,-4549, 4548,-4549, 4561,-4550, 4552,
 -4552, 4553,-4553, 4554,-4553, 4564,-4554, 4551,
 -4554, 4556,-4556, 4557,-4556, 4562,-4557, 4544,
 -4557, 4558,-4558, 4546,-4558, 4559,-4559, 4560,-4559, 4571,
 -4560, 4548,-4560, 4561,-4561, 4573,-4562, 4567,-4563, 4557,
 -4564, 4566,-4566, 4554,-4566, 4567,-4567, 4568,
 -4567, 4574,-4568, 4563,-4568, 4569,-4569, 4558,-4569, 4571,
 -4571, 4572,-4572, 4560,-4572, 4573,-4573, 4819,-4574, 4576,
 -4574, 4578,-4576, 4568,-4576, 4577,-4578, 4566,

&END

&ROUTE M=1,ONEWAY=F,

N= 4579, 4578,-4580, 4576,-4677, 4676,
 -4678, 4677,-4679, 4678,-4679, 4680,
 -4679, 4684,-4686, 4690,-4686, 4691,-4687, 4688,-4688, 4689,
 -4689, 4690,-4691, 4693,-4692, 4691,-4693, 4694,-4693, 4696,
 -4694, 4704,-4696, 4697,-4698, 4699,-4698, 4718,-4699, 4700,
 -4699, 4719,-4700, 4701,-4701, 4702,-4701, 4721,-4703, 4704,
 -4704, 4706,-4704, 4726,-4706, 4707,-4707, 4696,-4707, 4708,
 -4708, 4732,-4717, 4516,-4718, 4717,-4718, 4734,-4719, 4718,
 -4719, 4736,-4720, 4700,-4720, 4719,-4721, 4720,-4721, 4735,
 -4722, 4721,-4723, 4703,-4723, 4722,-4724, 4723,-4725, 4765,
 -4726, 4724,-4726, 4725,-4729, 4707,-4729, 4708,-4730, 4725,
 -4730, 4729,-4732, 4733,-4733, 4741,-4734, 4736,-4735, 4738,
 -4736, 4737,-4736, 4743,-4737, 4720,-4737, 4738,-4738, 4745,
 -4738, 4746,-4739, 4730,-4739, 4740,-4739, 4775,-4740, 4741,
 -4741, 4747,-4741, 4972,-4742, 4743,-4743, 4744,-4744, 4737,
 -4744, 4746,-4745, 4755,-4746, 4750,-4747, 4752,
 -4749, 4744,-4750, 4753,-4751, 4739,-4751, 4752,-4751, 4760,
 -4752, 4986,-4753, 4754,-4753, 4769,-4754, 4756,-4755, 4723,
 -4755, 4765,-4756, 4757,-4756, 4761,-4757, 4758,-4757, 4785,
 -4758, 4759,-4758, 4763,-4759, 4760,-4761, 4770,-4762, 4757,

&END

&ROUTE M=1,ONEWAY=F,

N= 4763, 4772,-4764, 4760,-4765, 4775,-4766, 4767,
 -4767, 4768,-4768, 4749,-4768, 4769,-4769, 4770,
 -4769, 4778,-4770, 4771,-4770, 4788,-4771, 4762,-4771, 4772,
 -4772, 4773,-4772, 4781,-4773, 4764,-4773, 4774,-4774, 4776,
 -4776, 4752,-4776, 5001,-4777, 4768,-4779, 4778,
 -4779, 4787,-4780, 4771,-4781, 4790,-4782, 4773,-4783, 4549,
 -4784, 4767,-4785, 4755,-4786, 4777,-4786, 4784,
 -4787, 4786,-4787, 4802,-4788, 4787,-4789, 4780,-4789, 4788,
 -4790, 4789,-4790, 4797,-4791, 4782,-4791, 4790,-4792, 4791,
 -4793, 4776,-4793, 4792,-4794, 4786,-4796, 4789,-4797, 4806,

-4798, 4791, -4799, 4784, -4799, 4800, -4800, 4794,
-4800, 4801, -4801, 4802, -4802, 4803, -4802, 4822, -4803, 4804,
-4803, 4809, -4804, 4796, -4804, 4806, -4806, 4807, -4806, 4810,
-4807, 4798, -4807, 4808, -4808, 4793, -4808, 5029, -4809, 4823,
-4810, 4814, -4811, 4807, -4812, 4808, -4812, 4818, -4813, 4804,
-4814, 4826, -4816, 4814, -4817, 4811, -4817, 4816, -4818, 4817,
-4819, 4820, -4820, 4799, -4821, 4800, -4821, 4820,
-4822, 4821, -4822, 4829, -4823, 4822,
-4824, 4813, -4824, 4823, -4826, 4824,
-4827, 4817, -4827, 4826, -4828, 4812,
&END

&ROUTE M=1, ONEWAY=F,

N= 4828, 4827, -4829, 4821, -4829, 4830, -4830, 4831,
-4942, 4947, -4947, 4966, -4950, 4967, -4950, 4968, -4966, 4972,
-4967, 4973, -4968, 4974, -4968, 4976, -4972, 4973, -4972, 4982,
-4973, 4974, -4974, 4976, -4974, 4984, -4982, 4983, -4982, 4986,
-4983, 4973, -4983, 4984, -4984, 4998, -4986, 4987, -4986, 4996,
-4987, 4983, -4989, 5006, -4996, 5002, -4998, 5007, -4999, 4987,
-5000, 5020, -5001, 5002, -5002, 5003, -5002, 5012, -5003, 5004,
-5004, 4999, -5004, 5006, -5006, 5007, -5007, 5008, -5008, 5021,
-5012, 5018, -5013, 5004, -5017, 4793, -5018, 5017, -5018, 5027,
-5019, 5013, -5019, 5018, -5020, 5019, -5020, 5021,
-5027, 5030, -5028, 5019, -5029, 5030, -5030, 5031, -5030, 5041,
-5031, 5032, -5032, 5028, -5032, 5033, -5033, 5034, -5034, 5036,
-5036, 5046, -5041, 5043, -5042, 5032, -5043, 4812, -5043, 5047,
-5044, 5042, -5044, 5043, -5046, 5052, -5047, 5049, -5048, 5044,
-5049, 4828, -5049, 5050, -5050, 5048, -5050, 5053, -5051, 5050,
-5052, 5051,

&END

-5822, 5774, -5809, 5811, -5877, 866, -5939, 5941,
-5877, 5878, 5881,

&END

*** WEST DADE -SW 127 AVE & 16 ST AREA ***

&ROUTE M=1,ONEWAY=F,

N= 5066, 5070, 5071, -4842, 4843,

&END

*** MISCELLANEOUS NORTH DADE NEAR COUNTY LINE ***

&ROUTE M=1,ONEWAY=F,

N= 2126, 2049, -2068, 2070, -2088, 2089, -2350, 2349,

&END

*** NORTHEAST: NORTH MIAMI, N MIAMI BEACH, MIAMI SHORES, ETC ***

&ROUTE M=1,ONEWAY=F,

N= 2672, 2671, 2676, 2679, 2680, -2689, 2690, 2693, -2692, 2693,
2694, -2696, 2698, -2809, 2811,

&END

*** HIALEAH, MIAMI SPRINGS, & MIAMI LAKES AREAS ***

&ROUTE M=1,ONEWAY=F,

N= 2963, 2966, -2964, 2967, -4011, 4018, 4024, -4012, 4019, -4015,
4020, 4021, -4023, 4154, 4153, 4158, -1898, 1899, 1896,
-2946, 2947, -2927, 2928, -2379, 2493,

&END

*** AIRPORT AREA ***

&ROUTE M=1,ONEWAY=F,

N= 4146, 4284,

&END

*** AIRPORT WEST/INDUSTRIAL AREA ***

&ROUTE M=1,ONEWAY=F,

N= 4300, 4302, -4259, 4123, 4122, -4121, 4123,

&END

*** NORTH MIAMI BEACH AND ENVIRONS ***

&ROUTE M=1,ONEWAY=F,

N= 2310, 2311, -2316, 2317, 2318, 2313, -2313, 2314, 2317,
-2329, 2330, 2331, -2337, 2338, 2339, 2457, -2342, 2343,
2344,

&END

*** 95TH STREET AND 32ND AVENUE NORTHWEST ***

&ROUTE M=1,ONEWAY=F,

N= 2858, 2859, 2860, 2862, 2861,

&END

*** WEST HIALEAH AREA ***

&ROUTE M=1,ONEWAY=F,

N= 2618, 2619, -2824, 2827, 2828, -2929, 2928, -2936, 2938, -4273,
4281, -4279, 4278, 4142,

&END

*** 79TH STREET ***

&ROUTE M=1,ONEWAY=F,

N= 3008, 3011, 3014, 3017, 3021, 3026, 3030, 3032, 3037, 3043,
3049, 3051, 3058, 3061, 3067, 3069, -3014, 3018, 3022, 3027,
3031, 3033, 3038, 3044, 3052, 3059, 3063, 3068, 3069,
-3017, 3018, -3021, 3022, -3026, 3027, -3030, 3031, -3032, 3033,
-3037, 3038, -3043, 3044, -3051, 3052, -3061, 3062, 3063, -3067,
3068,

&END

*** OPA LOCKA BLVD / 135TH STREET CORRIDOR ***

&ROUTE M=1,ONEWAY=F,

N= 2512, 2511, -2530, 2532, 2534, 2540, 2544, 2550, 2553, 2555,
-2531, 2533, 2536, 2537, 2541, 2543, 2546, -2854,
2856, -2559, 2560, -2530, 2531, -2534, 2536, -2540, 2541,
-2544, 2546, -2550, 2551, -2553, 2554, -2555, 2556, -2558, 2670,

-2560, 2678,

&END

*** MIAMI BEACH ***

&ROUTE M=1,ONEWAY=F,

N= 1633, 1634, -1633, 1631, 1632, -1628, 1629, -1621, 1623, 1626,
-1619, 1622, 1624, -1621, 1619, -1623, 1622, -1626, 1624, -1599,
1601, 1602, 1603, 1597, -1593, 1594, -1576, 1577, 1578, 1579,
-1546, 1549, 1552, 1554, 1561, 1562, -1546, 1547, 1551, 1553,
1557, 1558, -1541, 1542, -1536, 1537, -1533, 1534, -1531, 1532,
-1526, 1527, 1528, 1529, -1523, 1524, -1509, 1511, 1518, 1519,
1521, -1513, 1514, -1549, 1551, 1539, 1536, 1526, 1522, 1511,
1512, 1513, -1554, 1556, 1557, 1541, 1538, 1533, 1531, 1528,
1523, 1519, -1562, 1559, 1558, 1542, 1534, 1532, 1529, 1524,
1521, 1517, 1516, 1514,

&END

*** TRANSFER LINKS ***

&ROUTE M=1,ONEWAY=F,

N= 4571, 4577, 4580, -5036, 5037, -4976, 4977, 4978, -4671, 4672,
4682, -1639, 1641, 1642, -1649, 1651, 1652, 1653, -1573, 1574,
-1566, 1577, -1578, 1581, 1591, -2396, 2397, 2398, 2399, 2403,
-4072, 4078, 4081, -4212, 4213, 4214, 4216, -4247, 4248, 4249,
-4356, 4477, -4656, 4654, 4899,

&END

 KN630MS.MIY86.DATA(SDLAYUPD)

9999

211	15	16	1	22	15	16	2	33	15	16	1	44	11	11	3	44	24	11	4
244	55	11	5	44	12	23	6	44	33	24	8	44	44	24	10	44	55	24	12
244	11	44	13	44	22	44	6	44	12	66	6	44	33	66	8	44	44	66	10
244	55	66	12	66	11	11	3	66	24	11	4	66	55	11	5	66	11	23	6
266	22	23	7	66	34	24	9	66	55	24	11	66	11	44	13	66	22	44	8
266	11	66	6	66	22	66	7	66	34	66	9	66	55	66	11				

9999

3	1	30	2.5	70	2.5
3	2	30	30	70	70
3	3	26	26	43	35
3	4	26	26	50	45
3	5	42	42	55	50
3	6	18	8	32	12
3	7	22	13	35	22
3	8	18	10	37	15
3	9	18	14	36	24
3	10	18	11	36	18
3	11	24	16	48	29
3	12	24	13	48	19
3	13	10	6	26	11
3	14	7	7	40	20

9999

+-----+
 FEBRUARY 1987 PK TNET
 AM/PK VALIDATION TRANSIT NETWORK
 - - - - -

CORRESPONDS TO VAX XXXXXXXXXXXX
 - - - - -

MODIFIED:

- 1) TO REALIGN ROUTES TO
 CONFIGURATION WITH THE
 FEBRUARY 1987 LINEUP,
 ROTARY & VEH ASSN SHTS;
- 2) TO RECODE ROUTES TO
 COMPENSATE FOR LACK
 OF INTERLINING IN
 THE TRANPLAN PACKAGE:
 - A) ALL LOCAL ROUTES
 NOW ONEWAY=F;
 - B) ROUTES NOW TRAVERSE
 1-WAY STREETS IN BOTH
 DIRECTIONS, REQUIRING
 NEW AM AND MD OPTLINKS
 FILES, AS BUS SPEEDS
 DIFFER ALONG THE SAME
 LINKS IN EACH PERIOD;
 - C) CBD SECTIONS AND
 OTHER SIMILAR AREAS
 DO NOT LOOP/LOLIPOP
 BUT GENERALLY HOOK.
- 3) TO INCORPORATE NEW TOLL
 LINKS OBTAINED FROM G/F
- 4) TO INCORPORATE NEW I-95
 OPTLNK BETWEEN NW 151 ST
 AND NW 46 ST AS DIAMOND
 LANE FOR 95X EXPR BUSES.

***** METROBUS ROUTE A *****

&ROUTE M=4,L=1, ONEWAY=F,
 ID='RTE A:MIAMI BCH ->OT STA',
 RG=1,
 H=30.0,
 N= -1557,-1553,-1551,-1549,-1546,-1544,
 -1543, 3973,-4579,
 -4578,-4566,-4554,-4553,-4552,-4550,-4540,-4531,-4532,-4542,
 -4551, 4554,-4556,-4557,-4544,-4546,-4548,-4549,-4783,-4784,
 -4767,-4768, 4749,-4748,
 &END

***** METROBUS ROUTE B *****

&ROUTE M=4,L=3, ONEWAY=F,

```

ID='RTE B: CBD ->KEY BISC ',
  RG=3,
  H=24.0,
N= 4741, 4747, 4752, -4986, 4996, 5002, 5012, -5018, 5027, 5030,
  5031, -5032, 5033, -5034, -5045, 5034,
  -5036, -5037, -5038, -5039, -5200, -5201, 5199, -5197, -5196, -4993,
  -4979, -5193, -5194, 5197, -5199, 5201, -5346, -5347, -5341, -5336,
  5332, 3972, 5337,
  -5338, -5348, -5349, -5350, -5351, -5352, -5353, -5354, -5356,
  &END
***** METROBUS ROUTE C *****
&ROUTE M=4,L=5, ONEWAY=F,
ID='RTE C:MT SINAI HOSP->CBD',
  RG=5,
  H=19.0,
N= -1573, -1574, -1576, -1577, -1578, -1579, -1571, -1568, -1562, -1559,
  -1558, -1557, -1541, -1538, -1533, -1531, -1528, -1523, -1519, -1518,
  -1511, -1509, -1508, -1507, -1506, -1504, -1503, 4580, 4576, -4568,
  4563, -4557, -4544, 4546, -4548, -4549, -4783, -4784, -4786, -4787,
  -4788, -4789, -4790, 4791, 4792, -4793, 5017, 5018, 5012, 5002,
  4996, 4986, -4982,
  &END
***** METROBUS ROUTE D *****
&ROUTE M=4,L=8, ONEWAY=F,
ID='RTE D: CBD->DIPLOMAT MALL',
  RG=8,
  H=60.0,
N= -4982, -4986, 4996, 5002, 5012, 5018, 5017, -4793, 4792, 4791,
  4790, 4789, -4788, -4787, 4786, -4784, -4783, 4549, -4548,
  4546, -4544, -4557, 4563, -4568, 4576, 4580, -1503, -1504, -1506
  -1507, -1508, -1509, -1511, -1522, -1526, -1536, -1539, -1551, -1553
  -1557, -1541, -1542, -1558, -1559, -1562, -1568, -1571, -1579, -1581,
  -1591, -1596, -1597, -1603, -1606, -1624, -1626, -1629, -1632, -1634,
  -1639, -1641, -1642, -1643, -1644, -1646, -1649, -1651, -1652, -1653,
  -1654, -1657, -1658, -1659, -1661, 6900,
  &END
***** METROBUS ROUTE E *****
&ROUTE M=4,L=9, ONEWAY=F,
ID='RTE E: GOLDBCH-GG (AVEN) ',
  RG=9,
  H=60.0,
N= 6901, -2036, -2096, -2097, -2098, -2100, -2101, 2102, -2206, -2207,
  -1656, -1657, -1658, 1657, -1654, -1653, -1652, -1651, -1648,
  -2358, 2357, -2356, -2357, -2354, -2353, -2352, -2351, -2350, -2344,
  -2340, -2339, -2333, -2332, -2331, -2330, -2329, -2326, -2322, -2323,
  -2324, -2318, -2313, -2311, -2309, -2308, -2306, -1751, 1752, -2428,
  -2429, -2436, -2438, -2430, -2426, 2424, -2421, -1724, 1728, 1731,
  -1732, -1721,
  &END
***** METROBUS ROUTE F *****
&ROUTE M=4,L=13, ONEWAY=F,
ID='RTE F: NW22AV&23-LINC RD ',
  RG=13,
  H=24.0,
N= -4326, -4327, -4458, -4459, -4463, -4466, -4472, -4474, -4478, -4477,
  -4356, -4359, -4366, -4483, -4490, -4496, 4508, -4511, -4512, 4519,
  4526, 4533, -4543, 4556, 4562, -4567, 4574, 4576, 4580, -1503,
  -1504, -1506, -1507, -1508, -1509, -1511, -1522, -1526, -1536, -1539,
  -1551, -1553, -1557,
  &END

```

***** METROBUS ROUTE G *****

```
&ROUTE M=4,L=15,                                ONEWAY=F,
                                     ID='RTE G: OPLKA-MB CONV CTR',
                                     RG=15,
                                     H=24.0,
N= -2523,-2526,-2527,-2404,-2403,-2407,-2410,-2411,-2412,-2413,
   -2534,-2536,-2537,-2541,-2542,-2653,-2654,-2656,-2658,-2660,
     2662,-2666,-2664,-2663, 2667,-2671,-2676,
   -2679,-2684,-2689,-2690,-2693,-2696,-2698,
   -2701,-2702,-2703,-2706,-2709,-2712,-2713,
   -2714, 3974,-1636,
   -1637, 1638,
   -1639,-1634,-1632,-1629,-1626,-1624,-1606,-1603,-1597,-1596,
   -1591,-1581,-1579,-1571,-1568,-1562,-1559,-1558,-1557,-1556,
                                     &END
```

```
&ROUTE M=4,L=17,                                ONEWAY=F,
                                     ID='RTE G: BAL HBR-BCH CNVCTR',
                                     RG=15,
                                     H=60.0,
                                     RL=15,
N= -2523,      0, 1638,-1639,
                                     &END
```

***** METROBUS ROUTE H *****

```
&ROUTE M=4,L=21,                                ONEWAY=F,
                                     ID='RTE H: SKY LAKE->SO BEACH',
                                     RG=21,
                                     H=20.0,
N=  2086,
   -2087,-2193,-2194,-2190, 2194,-2196,-2336,-2334,-2328,-2329,
   -2326,-2322,-2323,-2324,-2327,-2331,-2332,-2333,-2339,-2340,
   -2344,-2350,-2351,-2352,-2353,-2354,-2357,-2358,-1648,-1651,
   -1649,-1646,-1644,-1643,-1642,-1641,-1639,-1634,-1632,-1629,
   -1626,-1624,-1606,-1603,-1597,-1596,-1591,-1581,-1579,-1571,
   -1568,-1562,-1559,-1558,-1542,-1541,-1538,-1533,
   -1531,-1528,-1523,-1519,-1521,-1517,-1516,-1514,
                                     &END
```

***** METROBUS ROUTE J *****

```
&ROUTE M=4,L=23,                                ONEWAY=F,
                                     ID='RTE J: NORMNDY ISL-DR STA',
                                     RG=23,
                                     H=20.0,
N= -1622,
   -1623, 1626,-1624,-1606,-1603,-1597,-1596,-1591,-1581,-1579,
     1578,-1577,-1576,-1574, 1572, 4250,-4249,-4243,-4239,-4233,
   -4232,-4227,-4224,-4218,-4217,-4216,-4209,-4208,-4206,-4204,
   -4198,-4196,-4188,-4186,-4179,-4177,-4172,-4168,-1916, 1912,
   -1909, 1901, 1900,-1897,-1896,-1899,-1900, 1902,-1904,
   -4289,-4290, 4291,-4288,-4291,
   -4441,-4442,-4443, 4444,-4629,-4630,-4631,-4632,-4884,-4886
   -5137,-5138,-5139,-5143,-5148,-5149,-5150,-5144,-5142,-5280
   -5281,-5282,-5283,-5284,-5286,-5290,-5291,-5296,-5439,
                                     &END
```

***** METROBUS ROUTE K *****

```
&ROUTE M=4,L=25,                                ONEWAY=F,
                                     ID='RTE K: BAL HARBOR - CBD',
                                     RG=25,
                                     H=20.0,
N= -1641,-1638,-1639,-1634,-1632,-1629,-1626,-1624,-1606,-1603,
   -1602,-1601,-1599,-1593,-1589,-1587,-1582,-1577,-1566,-1561,
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&ROUTE M=4,L=41,                                ONEWAY=F,
ID='RTE R:BISC POINT-SO BCH ',
RG=39,
H=60.0,
RL=39,
N= 1633, 1634, 1632,-1631, 1628,-1627,-1628,-1623, 1626,-1624,
1622,-1607,-1604,-1606,-1603,-1602,-1601, 0,-1514, 1516,
1517,
&END
***** METROBUS ROUTE S *****
&ROUTE M=4,L=43,                                ONEWAY=F,
ID='RTE S:CBD-195ST &COLLINS',
RG=43,
H=20.0,
N= -4982,-4986, 4996, 5002, 5012, 5018, 5017,-4793, 4792, 4791,
-4790, 4789,-4788,-4787, 4786,-4784,-4783, 4549,-4548, 4546,
-4544,-4557, 4563,-4568, 4576, 4580,-1503,
-1504,-1506,-1507,-1508,-1509,-1511,-1522,-1526,-1536,-1539,
-1551,-1553,-1557,-1541,-1542,-1558,-1559,-1562,-1568,-1571,
-1579,-1581,-1591,-1596,-1597,-1603,-1606,-1624,-1626,-1629,
-1632,-1634,-1639,-1641,-1642,-1643,-1644,-1646,-1649,-1651,
-1652,-1653,-1654,-1657,-1658, 1657,-1656,-2207,-2206,-2102,
-2101,-2100, 2098,
&END
***** METROBUS ROUTE T *****
&ROUTE M=4,L=47,                                ONEWAY=F,
ID='RTE T: HAULOVER - CBD ',
RG=47,
H=20.0,
N= -1644,-1643,-1642,-1641,-1639,-1634,-1632,-1629,-1626,-1624,
-1606,-1603,-1597,-1596,-1591,-1581, 1579,-1578,-1577,-1576,
-1574, 1572, 4250,-4249,-4396,-4397,-4398,-4399,-4564,-4566,
4567, 4562,-4556, 4543,-4544, 4546, 4548,-4549,-4783,-4784,
4786,-4787,-4788, 4789,-4790, 4791, 4792,-4793, 5017, 5018,
5012, 5002, 4996,-4986,-4982,
&END
***** METROBUS ROUTE V *****
&ROUTE M=4,L=49,                                ONEWAY=F,
ID='RTE V:DIPLOMAT->G GLADES',
RG=49,
H=120.0,
N= 6900,-1661,-1659,-1658,-1657,-1654,-1653,-1652,-1651,-1648,
-2358,-2357,-2356, 2357,-2354,-2353,-2352,-2351,-2350,-2344,
-2343,
-2342,-2341,-2346,-2347,-2202,-2204,-2200,-2199,-2094,-2093,
-2091,-2089,-2090,-2086,-2087,-2193,-2194,-2197, 2194, 2196,
-2336,-2337,
-2338,-2339,-2333,-2332,-2331,-2330,-2329,-2326,-2322,-2323,
-2324,-2318,-2313,-2311,-2309,-2308,-2306,-1751,-1750, 1751,
1752,-2428,-2429,-2426, 2424,-2421,-1724, 1728,-1731,-1732,
&END
***** METROBUS ROUTE W *****
&ROUTE M=4,L=51,                                ONEWAY=T,
ID='RTE W:MBCC-SO BCH CIRCLE',
RG=45,
H=40.0,
N= -1551,-1539,-1536,-1526,-1522,-1511,-1512,-1513,-1514,-1516,
-1517,-1521,-1519,-1523,-1528,-1531,-1533,-1538,-1541,-1557,
-1553,-1551,
&END

```

***** METROBUS ROUTE X *****
ROUTE M=4,L=53, ONEWAY=F,
ID='RTE X:163ST SC-BAL HAVOR',
RG=53,

-----> ROUTE X L=53 IS MIDDAY ONLY

***** METROBUS ROUTE 1 *****
&ROUTE M=4,L=61, ONEWAY=F,
ID='RTE 1:SM HTS ->DN STA ',
RG=61,
H=15.0,
N= -5937,-5934,-5936,-5938,-5942,-5943,-5948,-5950,-5951,-5956,
-5957,-5962,-5963,-5961,-5960,-5900,-5899,-5898,-5897,-5894,
5897,-5896,-5848,-5847,-5849,-5851,-5813,-5814,-5816,-5769,
-5770,-5771,-5717,-5718,-5719,-5720,-5667,-5669,-5603,-5602,
-5601,-5608,-5609,-5610,
&END

&ROUTE M=4,L=62, ONEWAY=T,
ID='RTE 1:SM HTS->MIA TERM ',
RG=61,
H=120.0,
RL=61,
N= -5937, 0,-5609, 5610, 5604, 5499, 5498, 5496, 5494, 5404,
5415, 5403, 5249, 5103, 5102, 4864, 1860, 1861, 1862, 1878,
1846, 4133,-4134,-4137,-4142,-4146,-4149,-4151,-4152,
-4157,-4161,-1897, 1900, 1902, 1904,-4289,-4290,-4291,-4288
&END

&ROUTE M=4,L=63, ONEWAY=T,
ID='RTE 1:GOULDS->DADELAND N',
RG=61,
H=120.0,
RL=61,
N= -6001,-6052,-6047,-6046,-5992,-5993, 6001, 6003,-6000,-5998,
-5999,-5948, 0,-5610,
&END

***** METROBUS ROUTE 2 *****
&ROUTE M=4,L=67, ONEWAY=F,
ID='RTE 2:PKWY HOSP-CBD ',
RG=67,
H=60.0,
N= 1751,-1750, 1751,-2306,-2307,-2433,-2434,-2436,-2438,-2439,
-2560,-2678,-2679,-2680,-2681,-2677,-2673,-2674,-2789,-2790,
-2791,-2884,-2886,-2890,-2891,-2892,-3042,-3043, 3044,-3046,
-3039,-3040,-3041,-4089,-4090,-4092,-4093,
-4229,-4230,-4231,-4232,-4379,-4380,-4381,-4382,-4383,-4378,
-4511,-4512,-4519,-4520,-4521,-4522,-4734,-4736,-4743,-4748,
4749,-4750, 4753,-4754, 4756,-4757, 4758, 4759, 4760,-4751,
-4752,-4986,
&END

&ROUTE M=4,L=69, ONEWAY=F,
ID='RTE 2:LITTLE RIVER->CBD ',
RG=67,
H=20.0,
RL=67,


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N= -3032,-3033,-3038,-3039,      0,-4752,-4986,
&END
***** METROBUS ROUTE 3 *****
&ROUTE M=4,L=71,                                ONEWAY=F,
      ID='RTE 3:DIPLOMAT MALL->CBD',
      RG=71,
      H=20.0,
N=  6901,-2036,-2096,-2097,
   -2098,-2100, 2098,-2099,-2203,-2204,-2202,-2347,-2346,-2341,
   -2336,-2334,-2328,-2329,-2326,-2322,-2323,-2324,-2327,-2331,
   -2332,-2333,-2339,-2340,-2344,-2350,-2461,-2462,-2463,-2578,
   -2579,-2580,-2708,-2709,-2710,-2711,-2810,-2811,-2812,-2902,
   -2903,-2900,-3060,-3061,-3062,-3063,-3064,-3066,-4108,-4109,
   -4110,-4111,-4244,-4246,-4247, 4248,-4249,-4396,-4397,-4398,
   -4399,-4564,-4566,-4567,-4568,-4569,-4571,-4572,-4573,-4819,
   -4820, 4821,-4822, 4823,-4824, 4826, 4827,-4828, 5049, 5047,
   -5043, 5041, 5030, 5027, 5018,-5012, 5002, 4996,-4986,-4982,
&END
***** METROBUS ROUTE 6 *****
&ROUTE M=4,L=73,                                ONEWAY=F,
      ID='RTE 6: HIALEAH-CBD      ',
      RG=73,
      H=60.0,
N= -2507,-2622,-2625,-2623,-2624,-2626,-2747,-2748,-2750,-2752,
   -2753,-2840,-2841,-2842,-2961,-2962,-2963,-2966,-2967,-4017,
   -4018,
   -4019,-4021,-4026,-4030,-4033,-4038,-4162,-4163,-4164,-1898,
   -1899,-1900,-1901,-1909, 1912,-1916,-4168,-4172,-4177,-4179,
   -4186,-4188,-4196,-4198,-4204,-4206,-4208,-4209,-4216,-4217,
   -4218,-4224,-4227,-4232,-4379,-4380,-4386,-4388,-4389,-4390,
   -4391,-4531,-4540,-4541,-4542,-4543,-4544,-4546,-4548,-4549,
   -4783,-4784,-4786,-4787, 4788,-4789,-4790, 4791,-4792, 4793,
   -5017, 5018, 5012, 5002, 4996,-4986,-4982,
&END
***** METROBUS ROUTE 7 *****
&ROUTE M=4,L=75,                                ONEWAY=F,
      ID='RTE 7: HOOK SQ - CBD    ',
      RG=75,
      H=60.0,
N= -4014,-4015,-4020,-4022,-4016,-4023,
   -4154,-4156,-4157,-4161,-1897, 1900, 1899,-1900,-1902,-1904,
   -4289,-4290,-4291,-4288, 4291,-4441,-4442,-4443, 4444,
   -4629,-4630,-4634,-4636,-4638,
   -4643,-4646,-4650,-4652,-4657,-4658,-4662,-4663,-4668,-4669,
   -4673,-4680,-4679,-4689,-4701,-4721,-4735, 4738,-4745,-4755,
   4765, 4775,-4739, 4740, 4741, 4972,-4982, 4986, 4996, 5002,
   5012,-5018, 5017,-4793, 4792, 4791, 4790, 4789,-4788,-4787,
   4779, 4778,-4769, 4753,-4750, 4749,-4748,-4743,-4736,-4737,
   -4738,
&END
***** METROBUS ROUTE 3 *****
&ROUTE M=4,L=77,                                ONEWAY=F,

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ID='ROUTE 7A:MIDWAY MALL-CBD',
  RG=75,
  H=30.0,
N= -4601, 1859, 1861, -4602, -4603, -4604, -4607, -4606, -4609, 1808,
  -4617, -4621, -4626, -4628, -4630, -4634, -4636, -4638, -4643, -4646,
  -4650, -4652, -4657, -4658, -4662, -4663, -4668, -4669, -4673, -4680,
  -4679, -4689, -4701, -4721, -4735, -4738, -4745, -4755, 4765, 4775,
  -4739, 4740, 4741, 4972, -4982, 4986, 4996, 5002, 5012, -5018,
  5017, -4793, 4792, 4791, 4790, 4789, -4788, -4787, 4779, 4778,
  -4769, 4753, -4750, 4749, -4748,
  &END
***** METROBUS ROUTE 8 *****
&ROUTE M=4,L=80, ONEWAY=F,
  ID='RTE 8:FIU TAMIAMI -> CBD',
  RG=80,
  H=30.0,
N= -5081, -5082, -5083, -5087, -5088, -5089, 5093, -5094, 5093, -5096,
  -5093, -5092,
  -5091, -5090, -5098, -4863, 4864, -4866, -4867, -4868, -4870, -4871,
  4873, -4874, -4877, -4878, -4879, -4881, -4882, -4883, -4886, -4887,
  -4892, -4893, -4894, -4897, -4898, -4901, -4902, -4904, -4908, -4914,
  -4918, -4922, -4926, -4930, -4933, -4938, -4941, -4946, 4957, -4964,
  -4970, -4979, -4993, -5011, -5010,
  -5009, 5008, -5021, 5020, -5019, 5018,
  -5017, 4793, 4792, 4791, -4790, 4789, -4788, 4787, -4786,
  &END
***** METROBUS ROUTE 9 *****
&ROUTE M=4,L=81, ONEWAY=F,
  ID='RTE 8:WCHESTER SC -> CBD',
  RG=80,
  H=30.0,
  RL=80,
N= -5096, -5093, -5092, 0, 4787, -4786,
  &END
***** METROBUS ROUTE 9 *****
&ROUTE M=4,L=83, ONEWAY=F,
  ID='RTE 9:AVENTURA MALL- CBD',
  RG=83,
  H=40.0,
N= -2206, -2102, -2101, -2100, -2098, -2099, -2203, -2204, -2200, -2198,
  -2197, 2194, 2190, -2189, -2187, -2188, -2316, -2317, -2321, -2322,
  -2326, -2329, -2330, -2331, -2327, -2324, -2318, -2313, -2311, -2312,
  -2441, -2442, -2443, -2564, -2565, -2691, -2692, -2693, -2690, -2687,
  -2797, -2798, -2799, -2800, -2893, -2894, -2896, -3050, -3051, -3052,
  -3053, -3054, -4100, -4102, -4101, -4103, -4104, -4241, -4242, -4243,
  -4392, -4393, -4394, -4552, -4550, -4540, -4541, -4542, -4543, -4544,
  -4546, -4548, -4549, -4783, -4784, -4786, -4787, -4788, -4789, -4790,
  -4791, 4792, 4793, 5017, 5018, 5012, 5002, 4996, -4986, -4982,
  &END
***** METROBUS ROUTE 10 *****
&ROUTE M=4,L=84, ONEWAY=T,
  ID='RTE 9: 163 ST MALL- CBD ',
  RG=83,
  H=120.0,
  RL=83,
N= -2329, 0, -4986,
  &END
***** METROBUS ROUTE 10 *****
&ROUTE M=4,L=87, ONEWAY=F,
  ID='RTE 10:163 ST MALL - CBD',

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                RG=87,
                H=40.0,
N= 2324,-2327,-2331,-2330,
    -2329,-2326,-2322,-2323,-2324,-2449,-2450,-2451,-2570,-2571,
    -2700,-2701,-2698,-2696,-2693,-2690,-2689,-2684,-2679,-2680,
    -2681,-2683,-2687,-2797,-2798,
    -2799,-2800,-2893,-2894,-2896,-3050,-3051,-3052,-3053,-3054,
    -4100,-4102,-4101,-4103,-4104,-4241,-4242,-4243,-4392,-4393,
    -4394,-4552,-4550,-4540,-4541,-4542,-4543,-4544,-4546,-4548,
    -4549,-4783,-4784,-4786,-4787,-4788, 4789,-4790,-4791, 4792
    4793, 5017, 5018, 5012, 5002, 4996, 4986,-4982
                &END
***** METROBUS ROUTE 11 *****
&ROUTE M=4,L=89,                                ONEWAY=F,
                ID='RTE 11: FIU - CBD',
                RG=89,
                H=30.0,
N= 5078,-5076,-5078,
    4848,-4849,-4852,-4851,-4584,-4586,-4588,-4589,-4591,-4594,
    -4597,-4601,-4599, 4601, 1859,-1861,
    -4602,-4603,-4604,-4607,-4608,-4611,-4612,-4614,-4616,-4618,
    -4619,-4623,-4627,-4632,-4633,-4641,-4642,-4648,-4649,-4654,
    -4656,-4909,-4911,-4916,-4919,-4923,-4927,-4931,-4934,-4939,
    4942, 4947, 4966,-4972,-4982, 4986, 4996, 5002, 5012,-5018,
    5027, 5030, 5041,-5043, 5047, 5049,
                &END
***** METROBUS ROUTE 12 *****
&ROUTE M=4,L=90,                                ONEWAY=F,
                ID='RTE 11:MIDWAY MALL - CBD',
                H=15.0,
                RG=89,
                RL=89,
N= -4599,-4601, 1859, 1861, 0,-5043,
                &END
***** METROBUS ROUTE 12 *****
&ROUTE M=4,L=95,                                ONEWAY=F,
                ID='RTE 12:NS-MERCY VIA 12AV',
                RG=95,
                H=30.0,
N= -2988, 2986, 2988,-2992,-2993,-2997,-3001,-3004,-3006,-3007,
    -3009,-3013,-3016,-3020,-4071,-4072,-4069, 4072,-4073, 4072,
    4073,-4074,-4076,-4077,-4210,-4211,-4212, 4213,-4214,-4216,
    -4350,-4351,-4352,-4353,-4354,-4356,-4359,-4366,-4483,-4484,
    -4481,-4478,-4474,-4472,-4471,-4477, 4478, 4479,-4480,-4669,
    -4670,-4671,-4927,-4928,-4929,-4930,-5179,-5182,-5184,-5185,
    -5325, 5185, 5184,-5328,-5331,-5327,-5323,-5322,
                &END
***** METROBUS ROUTE 16 *****
&ROUTE M=4,L=101,                               ONEWAY=F,
                ID='RTE 16:163 ST MALL - CBD',
                RG=71,
                H=20.0,
N= 2331, 2330,-2329,-2326,
    -2322,-2323,-2324,-2327,-2331,-2332,-2453,-2454,-2574,-2576,
    -2577,-2704,-2706,-2703,-2702,-2701,-2698,-2696,-2693,-2694,
    -2802,-2803,-2804,-2806,-2898,-2899,-2900,-3060, 3061,-3062,
    -3063,-3064,-3066,-4108,-4109,-4110,-4111,-4244,-4246,-4247,
    4248,-4249,-4396,-4397,-4398,-4399,-4564,-4566, 4567,-4568,
    4569, 4571,-4572, 4573,-4819,-4820, 4821,-4822, 4823,-4824,
    4826, 4827,-4828, 5049, 5047,-5043, 5041, 5030, 5027, 5018,

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-5012, 5002, 4996, 4986, -4982,
&END
***** METROBUS ROUTE 17 *****
&ROUTE M=4,L=105, ONEWAY=F,
ID='RTE 17:VZ STA - NORWOOD ',
RG=105,
H=30.0,
N= -5325, 5185, -5181, -5178, -5177, -5176, -5174, -4922, 4921, -4920,
-4919, 4666, -4664, -4663, 4469, -4468, 4467, -4466, -4464, -4336,
-4334, -4333, -4332, -4331, -4330, -4204, -4203, -4202,
-4193, 4202, -4201, -4200, -4199, -4068, -4067, -4066,
-4064, -3013, -3012, -3011, -3010, -2873, -2872, -2871, -2778, -2657,
-2656, -2654, -2653, -2649, -2536, 2534, -2413, -2412, -2411, -2410,
-2409, -2408, -2287, -2286, -2158, -2157, 2156, -2062, -2156, 2157,
-2159, -2160, -2164, -2168, -2167, -2067, -2068, -2171, -2172,
&END
***** METROBUS ROUTE 21 *****
&ROUTE M=4,L=110, ONEWAY=F,
ID='RTE 21:NW27AVE&160ST-CBD',
RG=110,
H=60.0,
N= -2406, -2400, -2401, -2402, -2403, -2404, -2527, -2528, -2529, -2530,
-2531, -2644,
-2646, -2647, -2643, 2647, -2769, -2770, -2771, -2861, -2862, -2863,
-2996, -2997, -3001, -3004, -3006, -3007, -3009, -3013, -3016, -3020,
-4071, -4072, -4073, -4074, -4076, -4077, -4210, -4211, -4212, 4213,
-4214, -4216, -4350, -4351, -4352, -4353, -4354, -4356, -4359, -4366,
-4483, -4490, -4496, -4508, -4511, -4512, -4513, -4514, -4506, -4507,
-4687, -4688, -4689, -4701, -4721, -4735, -4738, -4745, -4755, 4765,
-4775, 4739, 4740, 4741, 4972, -4982, -4986,
&END
***** METROBUS ROUTE 22 *****
&ROUTE M=4,L=112, ONEWAY=F,
ID='RTE 22:163ST MALL->GROVE',
RG=112,
H=60.0,
N= -2326, -2322, -2323, -2324, -2318, -2313, -2311, -2309, -2308, -2306,
-1751, -1732, -2299, -2300, 2299, 2293, -2291, 2292, -2416,
-2408, -2409, -2410, -2411, -2412, -2413, -2534,
2536, -2649, -2650, -2651, -2774, -2776, -2866, -2867, -2868, -2869,
-3003, -3004, -3006, -3007, -4058, -4059, -4060, -4061, -4189, -4190,
-4191, -4192, -4193, -4194, -4196, -4322, -4323, -4324, -4326, -4327,
-4458, -4459, -4460, -4461, -4658, -4659, -4660, 4910, -4911, -4912,
-4913, 4914, -5169, -5170, -5171, -5312, -5313, -5314, -5316, -5454,

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-5452, -5451,

&END

&ROUTE M=4,L=113, ID='RTE 22:163ST MALL-SC STA', ONEWAY=F,
RG=112,
H=30.0,
RL=112,
N= -2326, 0, -4326, -4327, -4328, -4336, -4339, -4346, -4349, -4356,
-4477,

&END

***** METROBUS ROUTE 24 *****

&ROUTE M=4,L=115, ID='RTE 24:FIU TAMIAMI-CBD ', ONEWAY=F,
RG=115,
H=60.0,
N= -5081, -5082, -5083, -5087, -5088, -5089, -5093,
-5096, -5097, -5100, -5101, 5103, -5104, -5106, -5109, -5110, -5113,
-5114, -5118, -5119, -5121, -5122, -5128, -5129, -5270, -5273, -5279,
-5280, -5142, -5140, -5139, -5143, -5148, -5149, -5150, -5152, -5158,
-5159, -5162, -5163, -5167, -5168, -5171, -5172, -5173, -5177, -5178,
5181, -5185, -5325, 5185, -5184, 5186, -5188, -5189, -5190, -5192,
-5194, -5197, -5199, -5201, -5200, -5039, 5038, -5037, -5036, -5034,
5033, -5032, 5031, 5030, 5027, -5018, 5012, 5002, 4996, -4986,
&END

&ROUTE M=4,L=117, ID='RTE 24:WESTCHESTER-CBD ', ONEWAY=F,
RG=115,
H=30.0,
RL=115,
N= -5093, 0, -4986,

&END

***** METROBUS ROUTE 27 *****

&ROUTE M=4,L=119, ID='RTE 27: CALDER ->FLAGLER', ONEWAY=F,
RG=119,
H=30.0,
N= -2008, -2009, -2010, -2011, -2057, -2058, -2056, -2054, -2139, -2140,
-2143, -2147, -2148, -2150, -2151, -2152, -2153, -2280, -2281, -2400,
-2401, -2402, -2403, -2404, -2527, -2528, -2529, -2530, -2531, -2644,
-2646, -2647,
-2643, 2647, -2769, -2770, -2771, -2861, -2862, -2863, -2996, -2997,
-2998, -2999, -3000, -4051, -4052, -4053, -4054, -4180, -4181, -4182,
-4183, -4184, -4186, -4313, -4314, -4316, -4317, -4318, -4319, -4453,
-4454, -4456, -4651, -4652, -4653, -4654,
&END

&ROUTE M=4,L=121, ID='RTE 27:NW183S&27A->GROVE', ONEWAY=F,
RG=119,
H=30.0,
N= -2143, -2147, -2148, -2150, -2151, -2152, -2153, -2280, -2281, -2400,
-2401, -2402, -2403, -2404, -2527, -2528, -2529, -2530, -2531, -2644,
-2646, -2647,
-2643, 2647, -2769, -2770, -2771, -2861, -2862, -2863, -2996, -2997,
-2998, -2999, -3000, -4051, -4052, -4053, -4054, -4180, -4181, -4182,
-4183, -4184, -4186, -4313, -4314, -4316, -4317, -4318, -4319, -4453,
-4454, -4456, -4651, -4652, -4653, -4654, -4899, -4900, -4901, -5164,
-5166, -5167, -5307, -5308, -5309, -5310, -5453, -5454, -5452, -5451,

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-5449, -5446,
&END
***** METROBUS ROUTE 28 *****
&ROUTE M=4,L=129, ONEWAY=F,
ID='RTE 28:FIU NORTH-HLH STA',
RG=129,
H=60.0,
N= -2464,-2462, 2463,-2578,-2579, 2577,-2573,-2571, 2569,-2568,
-2566,-2565,-2563,-2562, 2560,-2559,-2558,-2556,
2554,-2551,-2548,-2546,-2543,-2541,-2537,-2536,-2533,
-2531,-2521,-2520,-2518, 2512, 2513,-2637,-2638,-2636,-2633,
-2634,-2756,-2757,-2758,-2846,-2847,-2848, 2849,-2969,-2970,
2971,-2966,-2963,
&END
***** METROBUS ROUTE 29 *****
&ROUTE M=4,L=131, ONEWAY=F,
ID='RTE 29: VOTECH -TRI PRK',
RG=131,
H=60.0,
N= 2249,-2250,-2384,-2386, 2503, 2504,-2502,-2499,-2500,-2501,
-2618,-2619,-2616,-2613, 2611,-2609, 2608,-2607, 2608, 2609,
-2611,-2612,-2733,-2734,-2736, 2734,-2737,-2739,-2740,-2828,
-2829,-2933,-2941,-2943,-2950,-2952,-2953,-2959,-2961,-2962,
-2963,-2966,-2967,-4017,-4018,-4019,-4021,-4020,
&END
***** METROBUS ROUTE 32 *****
&ROUTE M=4,L=133, ONEWAY=F,
ID='RTE 32:CAROL CITY - OMNI',
RG=133,
H=20.0,
N= -2053,-2052,-2051, 2052,-2132,-2133,-2134,-2258,-2260,-2263,
-2264,-2390,-2392,-2270,-2269, 2141,-2144,-2146,-2274,-2276,
-2396,-2397,-2398,-2394,-2514,-2516,-2517,-2518,-2520,-2521,
-2522,-2641,-2642,-2643,-2647, 2643,-2764,-2766,-2767,-2858,
-2859,-2987,-2988,-2992, 2988,
-2989,-2990,-2991,-4044,-4046,-4047,-4048,-4173,-4174,-4176,
-4177,-4307,-4308,-4309,-4306,-4319,-4321,-4327,-4328,-4336,
-4339, 4346,-4471,-4477,-4356,-4359,-4366,-4368,-4374,-4377,
-4378,-4383,-4384,-4391,-4394,-4552,-4553,-4554,-4566,-4578,
4574,
&END
***** METROBUS ROUTE 33 *****
&ROUTE M=4,L=135, ONEWAY=F,
ID='RTE 33:LITTLE RIV-HL GDN',
RG=135,
H=30.0,
N= -3068,-3063,-3062,-3061,-3060,-2900,-2903,-2901,-2899,-2897,
-2894,-2890,-2886,-2883,-2882,-2880,-2876,-2871,-2870,-2867,
-2866,-2776,-2773,-2772,-2770,-2768,-2766,-2763,-2762,-2761,
-2759,-2757,-2754,-2752,-2750,-2748,-2746,-2743,-2741,-2739,
-2737,-2734,-2732,-2731,-2729,-2728,-2723,-2722,-2724,-2726,
-2721,-2717,
&END
***** METROBUS ROUTE 35 *****
&ROUTE M=4,L=137, ONEWAY=F,
ID='RTE 35:MDCC-S ->FLA CITY',
H=40.0,
N= -5653,-5651,-5652,-5697,-5698,-5752,-5753,-5801,-5802,-5803,
-5804,-5807,-5808,-5811,-5838,-5839,-5841,-5842,-5886,-5887,

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-5952,-5953,-5954,-5949,-5948,-5999,-5998,-5997,-5996,-6003,
-6004, 6006, 6007,-6002,-6001,-5993,-5992,-6046,-6044,-6043,
-6041,-6042,-6098,-6096,-6094,-6137,-6134,-6133,-6136,-6181,
-6179,-6177,-6172,-6173,-6174,-6176,-6234,-6229,-6226,-6227,
-6228,-6223,-6222,-6219,-6212,-6211,-6209,-6208,-6258,-6259,
-6256,-6253,-6249,-6251,-6252,-6294,-6296,-6297,-6298,-6299,
-6304,

&END

***** METROBUS ROUTE 36 *****

&ROUTE M=4,L=143, ONEWAY=F,

ID='RTE 36:KOGER CENTER-OMNI',

RG=143,

H=40.0,

N= -4127,-3089,-4131,-4132,-4133,-4134,-4137,-4142, 4146, 4149,
-4151,-4152,-4157,-4161,-1897,-1900, 1901,-1909, 1912,-1916,
-4168,-4172,-4177,-4179,-4186,-4188,-4196,-4198,-4204,-4206,
-4208,-4209,-4216,-4217,-4218,-4224,-4227,-4232,-4233,-4239,
-4243,-4249,-4396,-4397,-4398,-4399,-4564,-4566,-4554,-4556,

&END

&ROUTE M=4,L=145,

ONEWAY=F,

ID='RTE 36: HOOK SQ - OMNI ',

RG=143,

H=60.0,

RL=143,

N= -4015,-4016,-4022,-4020, 4015,-4014,-4010,-4004,-4003,-4143,
-4144,-4146, 0,-4556,

&END

***** METROBUS ROUTE 37 *****

&ROUTE M=4,L=149,

ONEWAY=F,

ID='RTE 37:SM STA - HIALEAH ',

RG=149,

H=20.0,

N= -5513,
-5506,-5507,-5509,-5511,-5517,-5522,-5529,-5531,-5532,-5536,
-5534,-5537,-5444,-5443,-5442,-5441,-5440,-5439,
-5296, 5291,-5290, 5434,-5436,-5434, 5290,-5291, 5296,-5294,
-5293,-5292,-5158,-5157,-5156,-5154,-5153,-4892,-4891,-4890,
-4641,-4640,-4639,-4638,-4637,-4450,-4449,-4448,-4297,-4292,
4291,-4288,-4291, 4292, 4297, 4292, 4291,-4290,-4289,-1904,
1902,-1900, 1901,-1909, 1901, 1900,-1897,-4161,-4157,-4156,
-4154,-4153,-4031,-4030,-4026,-4021,-4019,-4018,
-4017,-2967,-2966,-2963,-2962,-2961,-2842,-2841,-2840,-2753,
-2752,-2751,-2629,-2628,-2627,-2623,-2625,-2622,-2507,

&END

***** METROBUS ROUTE 40 *****

&ROUTE M=4,L=150,

ONEWAY=F,

ID='RTE 40A:132AV&8->GABLES ',

RG=150,

H=60.0,

N= -4839,-4841,-4842,-5064,-5066,-5067,-5068,-5216,-5217,-5218,
-5219,-5221, 5223, 5224, 5226,-5228,-5229,-5232,-5233,-5237,
-5238,-5242,-5243,-5247,-5248,-5245,-5249,-5255,-5250,-5251,
-5253,-5254,-5256,-5257,-5259,-5261,-5264,-5268,-5269,-5278,
-5284,-5286, 5290, 5291, 5296,-5439,-5296,-5291,-5290,-5289,
-5288,-5287,-5150,-5149,-5148,-5143,-5139,

&END

&ROUTE M=4,L=151,

ONEWAY=F,

ID='RTE 40:122AV&10->GABLES ',

```

        RG=150,
        H=30.0,
        RL=150,
N= -4843,-4844,-5069,-5071,-5072,-5073,-5218,      0,-5143,-5139,
        &END
***** METROBUS ROUTE 41 *****
&ROUTE M=4,L=152,                                ONEWAY=F,
        ID='RTE 41:ROUND TWRS-CG STA',
        RG=152,
        H=120.0,
N= -4331,-4337,-4341,-4347,-4351,-4357,-4361,-4370,-4376,-4380,
   -4386,-4388,-4389,-4390,-4391,-4531,-4540,-4541,-4542,-4543,
   -4544,-4546,-4548,-4549,-4783,-4784,-4786,-4787,-4788, 4789,
   -4790,-4791,-4792,-4793, 5017,-5018, 5012, 5002, 4996, 4986,
   -4982,-4972,-4973,-4974, 4984,-4998, 5007,-5008,-5009,-5010,
   -5011,-4993,-5196,-5197,-5199,-5343,-5344,-5342,-5194,-5193,
   -4979,-4970,-4964,-4957,-4946,-4941,-4938,-4937,-4936,-4934,
   -4931,-4927,-4923,-4919,-4916,-4911, 4910,-4660,-4659,-4658,
   -4461,-4460,-4453,-4451,-4644,-4637,-4638,-4639,-4640,-4641,
   -4890,-4891,-4892,-4893,-4894,-4897,-5160,-5161,-5162,-5299,
   -5300,-5301,-5302,-5303,-5306,-5310,-5309,
        &END
***** METROBUS ROUTE 42 *****
&ROUTE M=4,L=153,                                ONEWAY=F,
        ID='RTE 42:OPA LKA-DINNERKEY',
        RG=153,
        H=40.0,
N=  2517,-2519,-2523,-2529,-2530,-2531,-2521,-2520,-2518,
   -2512,-2513,-2637,-2638,-2639,-2760,-2761,-2851,-2852,-2853,
   -2976,-2977,-2978,-2979,-2980,-4034,-4036,-4037,-4038,-4162,
   -4163,-4164,-1898, 1899,-1900, 1902,-1904,-4289,-4290,-4291,
   -4288, 4291,-4441,-4442,-4443,-4444,-4629,-4630,-4631,-4632,
   -4633,-4641,-4890,-4889,-4888,-4887,-5146, 5147,-5148,-5149,
   -5150,-5144,-5142,-5280,-5281,-5282,-5283,-5284,-5286,-5290,
   -5291, 5296, 5291,
   -5296,-5439,-5440,-5441,-5446,-5449,-5451,-5452,-5454,-5453,
        &END
***** METROBUS ROUTE 48 *****
&ROUTE M=4,L=157,                                ONEWAY=F,
        ID='RTE 48: DS STA - CBD      ',
        RG=157,
        H=60.0,
N= -5601,-5602,-5603,-5609,-5611,-5612,-5616,-5614,-5617,-5508,
   -5509,-5510,-5514, 5513,-5512,-5513,-5520,-5523,-5526,-5527,
   -5426,-5530,-5532,-5536,-5534,-5533,-5432,-5431,-5433,-5438,
   -5441,-5440,-5439,-5437,-5436,-5434,-5290,-5291,-5296, 5439,
   5440, 5441,-5446,-5449,-5451,-5452,
   -5454,-5316,-5317,-5321,-5322,-5323,-5327,-5332,-5336,-5341,
   -5347,-5346,-5201,-5199,-5197,-5194,-5193,-4979,-4993,-5011,
   -5010,-5009,-5008,-5007,-5006,-5004,-5003,-5002,-4996, 4986
   -4982,-4972,-4741,-4747,-4752,-4986,
        &END
***** METROBUS ROUTE 52 *****
&ROUTE M=4,L=159,                                ONEWAY=F,
        ID='RTE 52:CR GOVCNTR-GABLES',
        RG=159,
        H=60.0,
N= -6059, 6058,-6056,-6052,-6001,-6003,-6004,-6006, 5951,-5950,
   -5948,-5943,-5942,-5941,-5939,-5881,-5878,-5877, 5878, 5881,
   5883,-5884,-5887,-5888,-5889,-5890,-5891,-5897,-5896,-5848,

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5846,-5844,-5843,-5842,-5837,-5807,
-5808, 5811,-5809,-5811,-5812,-5813,-5814,-5816,-5769,-5770,
-5771,-5717,-5718,-5719,-5720,-5667,-5669,-5603,-5602,-5601,
-5608,-5607,-5606,-5604,-5613,-5617,-5508,-5507,-5509,-5510,
-5514,-5513,-5512,-5519,-5520,-5523,-5526,-5424,-5423,-5268,
-5269,-5272,-5277,-5282,-5281,-5280,-5142,-5144,-5150,
&END

&ROUTE M=4,L=161, ONEWAY=T,
ID='RTE 52:RWM VOTECH-GABLES',
RG=159,
H=120.0,
RL=159,
N= -5877, 0,-5508,-5507,-5509, 5507, 5506,
&END

***** METROBUS ROUTE 54 *****

&ROUTE M=4,L=163, ONEWAY=F,
ID='RTE 54:WESTLAND-BB&54 ST',
RG=163,
H=30.0,
N= -2736,-2734,-2737,-2739,-2741,-2743,-2744,-2832,-2833,-2943,
-2944, 2946,
-2938, 2936, 2938,-2946,-2956,-2963,-2966,-2971,-2972,-4027,
-4028,-4029,-4030,-4033,-4038,-4040,-4042,-4043,-4048,-4050,
-4054,-4057,-4061,-4063,-4068,-4070,-4077,-4079,-4084,-4091,
-4093,-4098,-4099,-4104,-4107,-4111,-4110,
&END

***** METROBUS ROUTE 56 *****

&ROUTE M=4,L=165, ONEWAY=F,
ID='RTE 56:MDCC-S ->CG TERM ',
RG=165,
H=60.0,
N= -5653,-5651,-5649,-5571,
-5573,-5572,-5474,-5473,-5378,-5379,-5383,-5384,-5386,-5387,
-5391,-5392,-5393,-5397,-5399,-5401,-5402,-5404,-5406,-5408,
-5411,-5416,-5419,-5422,-5519,-5520,-5523,-5526,-5424,-5423,
-5268,-5269,-5272,-5277,-5282,-5281,-5280,-5142,-5140,-5139,
-5143,-5148,
&END

***** METROBUS ROUTE 57 *****

&ROUTE M=4,L=167, ONEWAY=F,
ID='RTE 57:CORAL REEF-GABLES',
RG=167,
H=60.0,
N= -5812,-5813,-5817,-5820,-5821,-5824,-5823,-5822,-5774,-5773,
-5724,-5727,-5729,-5728,-5730,-5732,-5676,-5674,-5621,-5620,
-5619,-5518,-5517, 5511,-5509, 5507, 5509,-5511, 5517,-5516,
-5514,-5513,-5512,-5419,
-5418,-5417,-5259,-5258,-5260,-5262,-5263,-5267,-5271,-5276,
-5274,-5273,-5279,-5280,-5142,-5144,-5150,-5149,-5148, 5143,
&END

***** METROBUS ROUTE 62 *****

&ROUTE M=4,L=169, ONEWAY=F,
ID='RTE 62:TR PARK HLH-OMNI ',
RG=169,
H=30.0,
N= -4022,-4020,-4021,-4019,
-4018,-4024,-4028,-4032,-4036,-4039,-4041,-4046,-4049,-4052,
-4056,-4059,-4062,-4066,-4069,-4072,-4078,-4081,-4086,-4088,
-4090,-4096,-4102,-4101,-4106,-4109,-4110,-4111,-4244,-4246,

-4247, -4248, -4249, -4396, -4397, -4398, -4399, -4564, -4566, -4554,
4556, 4562, -4567,

&END

&ROUTE M=4,L=170, ONEWAY=F,

ID='RTE 62:MLK STA- OMNI ',
RG=169,
H=15.0,
RL=169,

N= -4052, 0, -4567,

&END

&ROUTE M=4,L=171, ONEWAY=F,

ID='RTE 62:MLK STA-BAL HABOR',
RG=169,
H=40.0,
RL=169,

N= -4052, 0, -4248, 4249, 4250, -1572, -1574, -1576, -1577, -1578,
-1579, 1581,

&END

&ROUTE M=4,L=172, ONEWAY=F,

ID='RTE 62:TRI PK -BAL HABOR',
RG=169,
H=120.0,
RL=169,

N= -4022, 0, -4248, 4249, 4250, -1572, -1574, -1576, -1577, -1578,
-1579, 1581,

&END

***** METROBUS ROUTE 67 *****

&ROUTE M=4,L=173, ONEWAY=F,

ID='RTE 67: MDCC S -CG TERM ',
RG=173,
H=60.0,

N= -5653, -5699, -5701, -5703, -5704, -5707, -5708, -5709, -5661, -5660,
-5584, -5586, -5589, -5590, -5593, -5594, -5596, -5597, -5598, -5599,
-5600, -5601, -5608, -5609, -5610, -5613,
-5502, -5501, -5500, -5412, -5411, -5410, -5409, -5253, -5252, -5109,
5110, -5113, -5110, 5109, -5108, -5112, -5117, -5120, -5126, -5130,
-5133, -5139, -5143, -5148, -5149, -5150,

&END

***** METROBUS ROUTE 70 *****

&ROUTE M=4,L=175, ONEWAY=F,

ID='RTE 70:FLA CITY->CR MALL',
RG=175,
H=60.0,

N= -6309, -6308, -6304, -6299, -6298, -6297, -6296, -6294, -6252, -6251,
-6249, -6253, -6256, -6259, -6258, -6208, -6209, -6211, -6212, -6219,
-6222, -6221, -6216, -6214, -6162, -6161, -6163, -6164, -6166, -6169,
-6174, -6173, -6172, -6177, 6172, -6171, -6127, -6133, -6136, -6139,
-6141, -6182, -6191, -6143, -6146, -6147, -6104, -6103, -6102, -6054,
-6053, -6052, -6056, -6058, -6059, -6010, -6009, -6008, -6007, -6002,
-6001, -6003, -6000, -5998, -5999, -5948, -5950,

&END

***** METROBUS ROUTE 71 *****

&ROUTE M=4,L=177, ONEWAY=F,

ID='RTE 71:MDCC-S -INTL MALL',
RG=177,
H=60.0,

N= -5653, -5656, -5654, -5578, -5577, -5481, -5479, -5477, -5473, -5378,

5377,-5223,-5224,-5226,-5228,-5227, 5082,-5081,-5078, 5081,
-4852,-4851,-4584,-4582, 4584,-4583,-4408,-4407,-4257,

&END

***** METROBUS ROUTE 72 *****

&ROUTE M=4,L=181, ONEWAY=F,

ID='RTE 72:SW140A&47->SM STA',

RG=181,

H=30.0,

N= -5368, 5369,-5367,-5366, 5367,-5369,-5371,-5464,-5466,-5467,
-5469,-5471,-5470,-5474,-5476,-5481,-5482,-5484,-5486,-5489,
-5493,-5494,-5496,-5498,-5501,-5503,-5507,-5509,

&END

***** METROBUS ROUTE 73 *****

&ROUTE M=4,L=183, ONEWAY=F,

ID='RTE 73:MI LKS-C WAY/72AV',

RG=183,

H=30.0,

N= 2127, 2128, 2129, 2249,-2250,-2384,-2386,-2383,-2382,-2381,
2379, 2493,-2494,-2496,-2497,-2498,
-2614,-2616,-2617,-2738,-2739,-2740,-2828,-2829,-2933,-2934,
-2936,-2938, 2936,-2937,-2932,-2928,-2929,-3093,-3094,-3096,
-4136,-4137,-4272,-4273,-4274,-4276,-4416,-1886,-4419,-4422,
-4423, 1875,-1888,-1889, 4603,-4604,-4607,-4869,-4870,-5107,
-5108,-5109,-5106,

&END

***** METROBUS ROUTE 75 *****

&ROUTE M=4,L=187, ONEWAY=F,

ID='RTE 75:ML VOTECH->MDCC-N',

RG=187,

H=60.0,

N= -2384,-2250,-2249,-2129,-2128,-2127,-2130,-2133,-2137,-2140,
-2143,-2147,-2148,-2150,-2154,-2157, 2159,-2160, 2164,-2168,
-2164, 2168,
-2167,-2067, 2068,-2171, 2172, 2174,-2178,-2179,-2182,-2184,
-2187, 2189,-2190, 2191,-2192,-2328, 2329,-2326, 2329,-2330,
-2331, 2332,
-2453,-2454,-2574,-2572,-2570,-2568,-2569,-2695,-2692,-2693,
-2690,-2687,-2683,-2681,-2677,-2673,-2669, 2668,-2666,-2662,
-2660,-2658,-2656,-2652,-2650,-2648,-2646,-2647,-2643,

&END

***** METROBUS ROUTE 77 *****

&ROUTE M=4,L=189, ONEWAY=F,

ID='RTE 77:NW183ST&7AVE->CBD',

RG=189,

H=60.0,

N= -2172,-2171,-2068,-2070,-2071,-2072,-2173,-2174,-2176,-2177,
1702, 1703, 1704, 1707, 1709, 1713, 1714, 1719,-1732, 1731,
1728, 1724,-2421,-2422,-2423,-2549,-2550,-2551,-2552,-2663,
-2664,-2666,
-2782,-2783,-2784,-2879,-2880,-2881,-3024,-3026,-3027,-3028,
-3029,-4080,-4081,-4082,-4083,-4084,-4220,-4221,-4222,-4223,
-4224,-4369,-4370,-4371,-4372,-4373,-4374,-4490,-4491,-4492,
-4493,-4494,-4676,-4677,-4678,-4679,-4684,-4686,-4691,-4693,
-4696,-4697,-4950,-4967,-4973,-4972,-4982,-4986, 4996,-5002,
5012,-5018, 5027, 5030, 5041,-5043, 5047,-5049, 4828,

&END

&ROUTE M=4,L=190,

ONEWAY=F,

ID='RTE 77:441&183ST - CBD ',

RG=189,

H=120.0,
RL=189,
N= -2172,-2174, 0,-5049, 4828,
&END

&ROUTE M=4,L=191, ID='RTE 77:GOLDEN GLADES-CBD', ONEWAY=F,
RG=189,
H=60.0,
RL=189,
N= -1732, 0,-5049, 4828,
&END

&ROUTE M=4,L=192, ID='RTE 77:OPA LOCKA - CBD ', ONEWAY=F,
RG=189,
H=60.0,
RL=189,
N= -2519,-2523,-2526,-2527,-2404,-2403,-2407,-2410,-2411,-2412,
-2413,-2534,-2536,-2537,-2541,-2543,-2546,-2548,-2551,-2552,
-2663, 0,-5049, 4828,
&END

***** METROBUS ROUTE 83 *****

&ROUTE M=4,L=193, ID='RTE 83:M LAKES-FIU NORTH', ONEWAY=F,
RG=193,
H=40.0,
N= -2386,-2383,-2382,-2381,-2378,
-2377,-2241,-2240,-2232,-2231,-2123,-2124,-2127,-2130,-2133,
-2137,-2140,-2143,-2147,-2148,-2150,-2154,-2157,-2159,-2160,
-2164,-2168,-2172,-2174, 2176,
-2177,-2176, 2174, 2173,-2072,-2173, 2174,-2178,-2179,-2182,
-2183,-2310,-2311,-2313,-2314,-2317,-2321,-2322,-2326,-2329,
-2330, 2331,-2332,-2333,-2339,-2340,-2344,-2350,-2461,-2462,
-2464,
&END

&ROUTE M=4,L=195, ID='RTE 83: LAKES-163ST MALL', ONEWAY=F,
RG=193,
H=40.0,
RL=193,
N= -2386, 0,-2322,-2326,-2329,-2330,-2331,
&END

***** METROBUS ROUTE 87 *****

&ROUTE M=4,L=197, ID='RTE 87:DN STA-KOGER CNTR', ONEWAY=F,
RG=197,
H=60.0,
N= -5610,-5609,-5608,-5601,-5600,-5599,-5598,-5597, 5596, 5594,
5593,-5592,-5591,-5491,-5490,-5489,-5488,-5398,-5397,-5396,
-5394,-5242,-5241,-5239,-5094,-5093,-5092,-5091,-5090,-4861,
-4859,-4594,-4597,-4601,-4599,-4598,-4596,-4592,-1823,-1822,
-1821,-4414,-4267,-4266,-4264,-4128,-4127,-3083,-3082,
&END

***** METROBUS ROUTE 88 *****

&ROUTE M=4,L=199, ID='RTE88A:SW88&157AV-DN STA', ONEWAY=F,
RG=199,
H=30.0,

N= -5544,-5546,-5547,-5548,-5551,-5552,-5553,-5557,-5559,-5561,
-5562,-5567,-5568,-5565,
-5570, 3989, 3993,-5571,
-5573,-5574,-5576,
-5578,-5579,-5581,-5582,-5584,-5586,-5589,-5590,-5593,
-5594,-5596,-5597,-5598,-5599,-5600,-5601,-5608,-5609,-5610,
&END

&ROUTE M=4,L=200, ID='RTE 88:SW84&141AV-DN STA', ONEWAY=F,
RG=199,
H=20.0,
RL=199,
N= -5550,-5463,-5466,-5554,-5556,-5557,-5559, 0,-5610,
&END

***** METROBUS ROUTE 91 *****

&ROUTE M=4,L=203, ID='RTE 91:CNM SQ-163ST MALL', ONEWAY=F,
RG=203,
H=60.0,
N= 2020,-2019,-2020,-2022,-2023,-2024,-2074,-2069, 2074,-2076,
-2077,-2078,-2079, 2078,-2081,-2082,
-2084,-2089,-2090,-2086,-2087,-2193,-2194,-2196,-2336,-2337,
-2338,-2339,-2333,-2332,-2331,-2330,-2329,-2326,-2322,-2323,
&END

***** METROBUS BRICKELL CONNECTION *****

&ROUTE M=4,L=205, ID='BRICKELL CONNECTION-AM ', ONEWAY=T,
RG=205,
H=12.0,
N= -5196,-4993,-5011,-5023,-5039,-5200,-5201, 5346,-5347, 5344,
5347,-5346, 5201,-5199,-5197,-5194,-5193,-5196,
&END

#####

***** METRORAIL *****

&ROUTE M=5,L=1, ID='METRORAIL: STAGE 1 ', ONEWAY=F,
H=6.0,
N= -5603,-5610,-5509,-5527,-5439,-5309,-5325,-5196,-4759,-4748,
-4493,-4477,-4356,-4216,-4193,-4054,-4052,-2988,-2966,-2938,
&END

***** METROMOVER *****

&ROUTE M=8,L=1, ID='DPM:CW INNER LOOP ', ONEWAY=T,
H=2.5,
N= -4759,-4753,-4787,-4804,-4817,-4828,-5024,-5002,-4759,
&END

&ROUTE M=8,L=2, ID='DPM:CCW OUTER LOOP ', ONEWAY=T,
H=1.7,
N= -4759,-5004,-5024,-4828,-4817,-4804,-4787,-4753,-4759,
&END

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+-----+
| +-----+ |
| | NETWORK '86 EXPRESS ROUTES: | |
| | ROUTES 95X ARE UPDATED AS PER | |
| | FEB'87 SCHEDULES | |
| +-----+ |
+-----+

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***** METROBUS ROUTES 95X EXPRESSES *****

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&ROUTE M=6,L=1,                                ONEWAY=T,
      ID='RT 95X:GG-CBD-36ST&BISC ',
      RG=1,
      H=24.0,
N= -1721, 1722, 1723, 1768, 1767, 2424, 4226, 4499, 4498, 4502,
    4698, 4699, 4700, 4701, 4721, 4735, -4738, -4745, 4755, -4765,
    4775, 4739, 4740, 4741, 4972, -4982, 4986, -4996, 5002, 5012,
    5018, -5027, 5030, 5041, 5043, -5047, 5049, -4828, -4827, 4826,
    -4824, 4823, -4822, 4821, -4820, -4819, 4573, -4572, 4571, 4569,
    -4568, 4567, -4566, -4564, -4399, -4398, -4397, -4396, -4249,
      &END

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&ROUTE M=6,L=3,                                ONEWAY=T,
      ID='RT 95X:NWD-GG-CBD-36&BB ',
      RG=2,
      H=24.0,
      RL=1,
N=  2174, -2173, -2072, -2071, -2070, -2068, -2067, -2167, -2168, -2172,
    -2174, -2176, -2177, 1702, 1703, 1704, 1707, 1709, 1713, 1714,
    1719, -1732, -1721,    0, -4396, -4249,
      &END

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&ROUTE M=6,L=4,                                ONEWAY=T,
      ID='RT 95X:NORWOOD-GG-CIVCTR',
      RG=2,
      H=120.0,
      RL=3,
N=  2174, -2173,    0, 4499, 4500, 4489, 4479, -4478, -4474, -4472,
    4471, -4477,
      &END

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&ROUTE M=6,L=5,                                ONEWAY=T,
      ID='RT 95X:NWD-GG-EAL COMCTR',
      RG=2,
      RL=4,
      H=120.0,
N=  2174, -2173,    0, 4226,
    4213, 3975, 4202,
    4193, 4183, 4171, 1918, 1914,
    1912, 1909, 1901, 1900, -1897, -4161, -4157, -4152, -4151, -4149,
    -4146, -4142, -4137, -4134, 4133, -4132, -4129, -4128, -4126, -4124,
      &END

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&ROUTE M=6,L=6,                                ONEWAY=T,
      ID='RT 95X:CARCTY-GG-CIVCNTR',
      RL=4,
      RG=3,
      H=120.0,
N= -2249, 2129, -2131, -2130, -2133, -2137, -2140, -2143, -2147, -2148,
    -2150, -2154, -2157, -2158, -2162, -2169, -2170, 2299, -2300, 2302,

```

2304, 1672, 1676, 1677, 1716, 1741, 1729, 1730, 1731, -1732,
-1721, 0, -4477,

&END

&ROUTE M=6,L=7, ONEWAY=T,

ID='RT 95X:CCTY-GG-CBD-36&BB',

RL=1,

RG=3,

H=120.0,

N= -2249, 2129, -2131, -2130, -2133, -2137, -2140, -2143, -2147, -2148,
-2150, -2154, -2157, -2158, -2162, -2169, -2170, 2299, -2300, 2302,
2304, 1672, 1676, 1677, 1716, 1741, 1729, 1730, 1731, -1732,
-1721, 0, -4249,

&END

&ROUTE M=6,L=8, ONEWAY=T,

ID='RT 95X:GG->CBD->BRICKELL',

RL=1,

RG=5,

H=40.0,

N= -1721, 0, -5027, 5030, 5031, 5032, 5033, 5034, -5036, -5037,
-5038, -5039, -5200, -5201, -5199, -5197, -5196,

&END

&ROUTE M=6,L=9, ONEWAY=T,

ID='RT 95X:NMB-GG-CBD-36&BB ',

RG=4,

H=120.0,

RL=1,

N= 2194, -2193, -2087, 2193, -2194, -2196, -2336, -2334, -2328, -2329,
-2326, -2322, -2321, -2317, 2314, -2313, -2311, -2309, -2308, -2306,
-1751, 1753,
1754, 1756, 1757, 1713, 1714, 1719, -1732, -1721, 0, -4249,

&END

-----+-----+
 FEBRUARY 1987 OP TNET
 MD/OP VALIDATION TRANSIT NETWORK

CORRESPONDS TO VAX XXXXXXXXXX

MODIFIED:

1) TO REALIGN ROUTES TO
 CONFIGURATION WITH THE
 FEBRUARY 1987 LINEUP,
 ROTARY & VEH ASSN SHEETS;

2) TO RECODE ROUTES TO
 COMPENSATE FOR LACK
 OF INTERLINING IN
 THE TRANPLAN PACKAGE:

- A) ALL LOCAL ROUTES
 NOE ONEWAY=F;
- B) ROUTES NOW TRAVERSE
 1-WAY STREETS IN BOTH
 DIRECTIONS, REQUIRING
 NEW AM AND MD OPTLINKS
 FILES, AS BUS SPEEDS
 DIFFER ALONG THE SAME
 LINKS IN EACH PERIOD;
- C) CBD SECTIONS AND
 OTHER SIMILAR AREAS
 DO NOT LOOP/LOLIPOP,
 BUT GENERALLY HOOK.

3) TO INCORPORATE NEW TOLL
 LINKS OBTAINED FROM G/F

***** METROBUS ROUTE A *****

&ROUTE M=4,L=1, ONEWAY=F,

ID='RTE A:MIAMI BCH ->OT STA',

RG=1,

H=30.0,

N= -1557,-1553,-1551,-1549,-1546,-1544,
 -1543, 3973, 4579,
 -4578,-4566, 4554, 4553,-4552, 4550,-4540,-4531,-4532, 4542,
 -4551, 4554,-4556, 4557,-4544,-4546,-4548,-4549,-4783,-4784,
 -4767,-4768, 4749,-4748,

&END

***** METROBUS ROUTE B *****

&ROUTE M=4,L=3, ONEWAY=F,

ID='RTE B: CBD ->KEY BISC ',

RG=3,

H=45.0,

N= 4741, 4747, 4752,-4986, 4996, 5002,
 5012,-5018, 5027,-5030, 5031,-5032, 5033,-5034,-5045, 5034,

-5036,-5037,-5038,-5039,-5200,-5201, 5199,-5197,-5196,-4993,
-4979,-5193,-5194, 5197,-5199, 5201,-5346,-5347,-5341,-5336,
5332, 3972, 5337,
-5338,-5348,-5349,-5350,-5351,-5352,-5353,-5354,-5356,

&END

***** METROBUS ROUTE C *****

&ROUTE M=4,L=5, ONEWAY=F,

ID='RTE C:MT. SINAI HSP->CBD',

RG=5,

H=20.0,

N= -1573,-1574,-1576,-1577,-1578,-1579,-1571,-1568,-1562,-1559,
-1558,-1557,-1541,-1538,-1533,-1531,-1528,-1523,-1519,-1518,
-1511,-1509,-1508,-1507,-1506,-1504,-1503, 4580,-4576,-4568,
4563,-4557,-4544, 4546,-4548, 4549,-4783,-4784, 4786,-4787,
4788,-4789,-4790, 4791, 4792,-4793, 5017, 5018, 5012, 5002,
4996, 4986,-4982,

&END

***** METROBUS ROUTE D *****

&ROUTE M=4,L=8, ONEWAY=F,

ID='RTE D: CBD->DIPLOMAT MALL',

RG=8,

H=60.0,

N= -4982, 4986, 4996, 5002, 5012, 5018, 5017,-4793, 4792, 4791,
4790, 4789,-4788,-4787, 4786,-4784,-4783, 4549,-4548,
4546,-4544,-4557, 4563,-4568, 4576, 4580,-1503,-1504,-1506
-1507,-1508,-1509,-1511,-1522,-1526,-1536,-1539,-1551,-1553
-1557,-1541,-1542,-1558,-1559,-1562,-1568,-1571,-1579,-1581,
-1591,-1596,-1597,-1603,-1606,-1624,-1626,-1629,-1632,-1634,
-1639,-1641,-1642,-1643,-1644,-1646,-1649,-1651,-1652,-1653,
-1654,-1657,-1658,-1659,-1661, 6900,

&END

***** METROBUS ROUTE E *****

&ROUTE M=4,L=9, ONEWAY=F,

ID='RTE E: GOLDBCH-GG (AVEN) ',

RG=9,

H=60.0,

N= 6901,-2036,-2096,-2097,-2098,-2100,-2101,-2102,-2206,-2207,
-1656,-1657,-1654,-1653,-1652,-1651,-1648,
-2358, 2357,-2356,-2357,-2354,-2353,-2352,-2351,-2350,-2344,
-2340,-2339,-2333,-2332,-2331,-2330,-2329,-2326,-2322,-2323,
-2324,-2318,-2313,-2311,-2309,-2308,-2306,-1751, 1752,-2428,
-2429,-2436,-2438,-2430,-2426, 2424,-2421,-1724, 1728, 1731,
-1732,-1721,

&END

***** METROBUS ROUTE F *****

&ROUTE M=4,L=13, ONEWAY=F,

ID='RTE F: NW22AV&23-LINC RD ',

RG=13,

H=27.0,

N= -4326,-4327,-4458,-4459,-4463,-4466,-4472,-4474,-4478,-4477,
-4356,-4359,-4366,-4483,-4490,-4496, 4508,-4511,-4512, 4519,
4526, 4533,-4543, 4556, 4562,-4567, 4574, 4576, 4580,-1503,
-1504,-1506,-1507,-1508,-1509,-1511,-1522,-1526,-1536,-1539,
-1551,-1553,-1557,

&END

***** METROBUS ROUTE G *****

&ROUTE M=4,L=15, ONEWAY=F,

ID='RTE G: OPLKA-MB CONV CTR',

RG=15,

H=30.0,

```

N= -2523,-2526,-2527,-2404,-2403,-2407,-2410,-2411,-2412,-2413,
    -2534,-2536,-2537,-2541,-2542,-2653,-2654,-2656,-2658,-2660,
    2662,-2666,-2664,-2663, 2667,-2671,-2676,-2679,-2684,-2689,
    -2690,-2693,-2696,-2698,-2701,
    -2702,-2703,-2706,-2709,-2712,-2713,
    -2714, 3974,-1636,
    -1637,-1638,
    -1639,-1634,-1632,-1629,-1626,-1624,-1606,-1603,-1597,-1596,
    -1591,-1581,-1579,-1571,-1568,-1562,-1559,-1558,-1557,-1556,
                                &END
***** METROBUS ROUTE H *****
&ROUTE M=4,L=21,                                ONEWAY=F,
                                ID='RTE H:SKY LAKE->SO BEACH',
                                RG=21,
                                H=20.0,

N= 2086,
    -2087,-2193,-2194,-2190, 2194,-2196,-2336,-2334,-2328,-2329,
    -2326,-2322,-2323,-2324,-2327,-2331,-2332,-2333,-2339,-2340,
    -2344,-2350,-2351,-2352,-2353,-2354,-2357,-2358,-1648,-1651,
    -1649,-1646,-1644,-1643,-1642,-1641,-1639,-1634,-1632,-1629,
    -1626,-1624,-1606,-1603,-1597,-1596,-1591,-1581,-1579,-1571,
    -1568,-1562,-1559,-1558,-1542,-1541,-1538,-1533,
    -1531,-1528,-1523,-1519,-1521,-1517,-1516,-1514,
                                &END
***** METROBUS ROUTE J *****
&ROUTE M=4,L=23,                                ONEWAY=F,
                                ID='RTE J:NORMNDY ISL-DR STA',
                                RG=23,
                                H=28.0,

N= -1622,
    -1623, 1626,-1624,-1606,-1603,-1597,-1596,-1591,-1581,-1579,
    1578,-1577,-1576,-1574, 1572, 4250,-4249,-4243,-4239,-4233,
    -4232,-4227,-4224,-4218,-4217,-4216,-4209,-4208,-4206,-4204,
    -4198,-4196,-4188,-4186,-4179,-4177,-4172,-4168,-1916, 1912,
    -1909, 1901, 1900, 1897,-1896,-1899,-1900, 1902,-1904,
    -4289,-4290, 4291,-4288,-4291,
    -4441,-4442,-4443, 4444,-4629,-4630,-4631,-4632,-4884,-4886
    -5137,-5138,-5139,-5143,-5148,-5149,-5150,-5144,-5142,-5280
    -5281,-5282,-5283,-5284,-5286,-5290,-5291,-5296,-5439,
                                &END
***** METROBUS ROUTE K *****
&ROUTE M=4,L=25,                                ONEWAY=F,
                                ID='RTE K:BAL HARBOR - CBD',
                                RG=25,
                                H=20.0,

N= -1638,-1639,-1634,-1632,-1629,-1626,-1624,-1606,-1603,-1602,
    -1601,-1599,-1593,-1589,-1587,-1582,-1577,-1566,-1561,-1554,
    -1556,-1557,-1541,-1538,-1533,-1531,-1528,-1523,-1519,-1518,
    -1511, 1509,-1508,-1507,-1506,-1504,-1503, 4580, 4576,-4574,
    -4567, 4568,
    4563,-4557,-4544, 4546,-4548,-4549,-4783,-4784,-4786,-4787
    -4788, 4789,-4790, 4791, 4792,-4793, 5017, 5018, 5012, 5002,
    4996, 4986,-4982, 4972,
                                &END
***** METROBUS ROUTE L *****
&ROUTE M=4,L=29,                                ONEWAY=F,
                                ID='RTE L:HL(TRACK)-MBCC',
                                RG=29,
                                H=30.0,

N= -2842,-2844,-2849,-2969,-2974,-2976,-2981,-2983,-2986,-2988,

```

-2992,-2993,-2997,-3001,-3004,-3008,-3011,-3014,-3018,-3022,
-3027, 3031,-3033,-3038,-3044,-3052,-3059,-3063,-3068, 3069,
-1608,-1609,-1611,-1612,-1614,-1617,-1618,-1619,-1622,-1624,
-1606,-1603,-1597,-1596,-1591,-1581,-1579,-1571,-1568,-1562,
-1559,-1558,-1542,-1541,-1557,-1553,
&END

&ROUTE M=4,L=31, ID='RTE L: AMTRAK-CONV CTR ', ONEWAY=F,
RG=29,
H=30.0,
RL=29,
N= -2983, 0,-1553,
&END

&ROUTE M=4,L=33, ID='RTE L:AMTRAK-NORMNDY ISL', ONEWAY=F,
RG=33,
H=105.0,
RL=29,
N= -2983, 0,-1622,-1624,-1626,
&END

***** METROBUS ROUTE M *****

&ROUTE M=4,L=37, ID='RTE M: MT SINAI-CBD ', ONEWAY=F,
RG=37,
H=30.0,
N= -1573,-1574,-1576,-1577,-1578,-1579,-1571,-1568,-1562,-1559,
-1558,-1542,-1541,-1557,-1553,-1551,-1539,-1536,-1526,-1522,
-1511,-1509,-1508,-1507,-1506,-1504,-1503, 4580, 4576,-4574,
-4567,-4568,
4563,-4557,-4544, 4546,-4548,-4549,-4783,-4784,-4786,-4787,
-4788, 4789,-4790, 4791, 4792,-4793, 5017, 5018, 5012, 5002,
4996, 4986,-4982,
&END

***** METROBUS ROUTE R *****

&ROUTE M=4,L=39, ID='RTE R:NORMANDY-SO BEACH ', ONEWAY=F,
RG=39,
H=60.0,
N= 1617, 1614,-1612,-1614,-1617,-1618,-1619,-1622,-1607,-1604,
-1602,-1601,-1599,-1598,-1592,-1588,-1583,-1584, 1583,-1573,
-1574,-1563,-1564,-1548,-1549,-1551, 1553, 1551,-1539,-1536,
-1526,-1522,-1511,-1512,-1513,-1514, 1516, 1517,
&END

&ROUTE M=4,L=41, ID='RTE R:BISC POINT-SO BCH ', ONEWAY=F,
RG=39,
H=60.0,
RL=39,
N= 1633, 1634, 1632,-1631, 1628,-1627,-1628,-1623, 1626,-1624,
-1622,-1607,-1604,-1606,-1603,-1602,-1601, 0,-1514, 1516,
1517,
&END

***** METROBUS ROUTE S *****

&ROUTE M=4,L=43, ID='RTE S: CBD-195ST & COLLINS', ONEWAY=F,
RG=43,
H=20.0,

N= -4982, 4986, 4996, 5002, 5012, 5018, 5017, -4793, 4792, 4791,
-4790, 4789, -4788, -4787, 4786, -4784, -4783, 4549, -4548, 4546,
-4544, -4557, 4563, -4568, 4576, 4580, -1503,
-1504, -1506, -1507, -1508, -1509, -1511, -1522, -1526, -1536, -1539,
-1551, -1553, -1557, -1541, -1542, -1558, -1559, -1562, -1568, -1571,
-1579, -1581, -1591, -1596, -1597, -1603, -1606, -1624, -1626, -1629,
-1632, -1634, -1639, -1641, -1642, -1643, -1644, -1646, -1649, -1651,
-1652, -1653, -1654, -1657, -1658, 1657, -1656, -2207, -2206, -2102,
-2101, -2100, 2098,

&END

***** METROBUS ROUTE T *****

&ROUTE M=4,L=47, ONEWAY=F,

ID='RTE T: CBD-HAULOVER',

RG=47,

H=20.0,

N= -1644, -1643, -1642, -1641, -1639, -1634, -1632, -1629, -1626, -1624,
-1606, -1603, -1597, -1596, -1591, -1581, 1579, -1578, -1577, -1576,
-1574, 1572, 4250, -4249, -4396, -4397, -4398, -4399, -4564, -4566,
4567, 4562, -4556, 4543, -4544, 4546, 4548, -4549, -4783, -4784,
4786, -4787, -4788, 4789, -4790, 4791, 4792, -4793, 5017, 5018,
5012, 5002, 4996, -4986, -4982,

&END

***** METROBUS ROUTE V *****

&ROUTE M=4,L=49, ONEWAY=F,

ID='RTE V:DIPLOMAT->G GLADES',

RG=49,

H=60.0,

N= 6900, -1661, -1659, -1658, -1657, -1654, -1653, -1652, -1651, -1648,
-2358, -2357, -2356, 2357, -2354, -2353, -2352, -2351, -2350, -2344,
-2343, -2342, -2341,
-2346, -2347, -2202, -2204, -2200, -2199, -2094, -2093, -2091, -2089,
-2090, -2086, -2087, -2193, -2194, -2197, 2194, -2196, -2336, -2337,
-2338, -2339, -2333, -2332, -2331, -2330, -2329, -2326, -2322, -2323,
-2324, -2318, -2313, -2311, -2309, -2308, -2306, -1751, -1750, 1751,
1752, -2428, -2429, -2426, 2424, -2421, -1724, 1728, -1731, -1732,

&END

***** METROBUS ROUTE W *****

&ROUTE M=4,L=51, ONEWAY=T,

ID='RTE W:MBCC-SO BCH CIRCLE',

RG=45,

H=20.0,

N= -1551, -1539, -1536, -1526, -1522, -1511, -1512, -1513, -1514, -1516,
-1517, -1521, -1519, -1523, -1528, -1531, -1533, -1538, -1541, -1557,
-1553, -1551,

&END

***** METROBUS ROUTE X *****

&ROUTE M=4,L=53, ONEWAY=F,

ID='RTE X:163ST SC-BAL HARBOR',

RG=53,

H=60.0,

N= -2326, -2322, -2323, -2324, -2327, -2331, -2332, -2333, -2339, -2340,
-2344, -2350, -2461, -2462, -2463, -2578, -2579, -2580, -2708, -2709,
-2712, -2713, -2714, -1636, -1637, -1638, -1639, 1641,

&END

***** METROBUS ROUTE 1 *****

&ROUTE M=4,L=61, ONEWAY=F,

ID='RTE 1:SM HTS ->DN STA',

RG=61,

H=30.0,

N= -5937,-5934,-5936,-5938,-5942,-5943,-5948,-5950,-5951,-5956,
-5957,-5962,-5963,-5961,-5960,
-5900,-5899,-5898,-5897,-5894, 5897,-5896,-5848,-5847,-5849,
-5851,-5813,-5814,-5816,-5769,-5770,-5771,-5717,-5718,-5719,
-5720,-5667,-5669,-5603,-5602,-5601,-5608,-5609,-5610,

&END

***** METROBUS ROUTE 2 *****

&ROUTE M=4,L=67, ONEWAY=F,

ID='RTE 2:PKWY HOSP-CBD ',

RG=67,

H=60.0,

N= 1751,
-1750,-1751,-2306,-2307,-2433,-2434,-2436,-2438,-2439,-2560,
-2678,-2679,-2680,-2681,-2677,-2673,-2674,-2789,-2790,-2791,
-2884,-2886,-2890,-2891,-2892,-3042,-3043, 3044,-3046,-3039,
-3040,-3041,-4089,-4090,-4092,-4093,
-4229,-4230,-4231,-4232,-4379,-4380,-4381,-4382,-4383,-4378,
-4511,-4512,-4519,-4520,-4521,-4522,-4734,-4736,-4743,-4748,
-4749,-4750,-4753,-4754,-4756,-4757,-4758, 4759,-4760,-4751,
-4752,-4986,

&END

&ROUTE M=4,L=69, ONEWAY=F,

ID='RTE 2:LITTLE RIVER->CBD ',

RG=67,

H=20.0,

RL=67,

N= -3032,-3033,-3038,-3039, 0,-4752,-4986,

&END

***** METROBUS ROUTE 3 *****

&ROUTE M=4,L=71, ONEWAY=F,

ID='RTE 3:DIPLOMAT MALL->CBD',

RG=71,

H=30.0,

N= 6901,-2036,-2096,-2097,
-2098,-2100, 2098,-2099,-2203,-2204,-2202,-2347,-2346,-2341,
-2336,-2334,-2328,-2329,-2326,-2322,-2323,-2324,-2327,-2331,
-2332,-2333,-2339,-2340,-2344,-2350,-2461,-2462,-2463,-2578,
-2579,-2580,-2708,-2709,-2710,-2711,-2810,-2811,-2812,-2902,
-2903,-2900,-3060,-3061,-3062,-3063,-3064,-3066,-4108,-4109,
-4110,-4111,-4244,-4246,-4247, 4248,-4249,-4396,-4397,-4398,
-4399,-4564,-4566,-4567,-4568,-4569,-4571,-4572,-4573,-4819,
-4820, 4821,-4822, 4823,-4824, 4826, 4827,-4828, 5049, 5047,
-5043, 5041, 5030, 5027, 5018,-5012, 5002, 4996, 4986,-4982,

&END

***** METROBUS ROUTE 6 *****

&ROUTE M=4,L=73, ONEWAY=F,

ID='RTE 6: HIALEAH-CBD ',

RG=73,

H=60.0,

N= -2507,-2622,-2625,-2623,-2624,-2626,-2747,-2748,-2750,-2752,
-2753,-2840,-2841,-2842,-2961,-2962,-2963,-2966,-2967,-4017,
-4018,-4019,-4021,
-4026,-4030,-4033,-4038,-4162,-4163,-4164,-1898,
-1899,-1900,-1901,-1909, 1912,-1916,-4168,-4172,-4177,-4179,
-4186,-4188,-4196,-4198,-4204,-4206,-4208,-4209,-4216,-4217,
-4218,-4224,-4227,-4232,-4379,-4380,-4386,-4388,-4389,-4390,
-4391,-4531,-4540,-4541,-4542,-4543,-4544,-4546,-4548,-4549,
-4783,-4784,-4786,-4787, 4788,-4789,-4790, 4791,-4792, 4793,
-5017, 5018, 5012, 5002, 4996, 4986,-4982,

```

&END
***** METROBUS ROUTE 7 *****
&ROUTE M=4,L=75, ONEWAY=F,
ID='RTE 7: HOOK SQ - CBD',
RG=75,
H=60.0,
N= -4014,-4015,-4020,-4022,-4016,-4023,
-4154,-4156,-4157,-4161,-1897, 1900, 1899,-1900, 1902, 1904,
-4289,-4290,-4291,-4288, 4291,-4441,-4442,-4443, 4444,
-4629,-4630,-4634,-4636,-4638,
-4643,-4646,-4650,-4652,-4657,-4658,-4662,-4663,-4668,-4669,
-4673,-4680,-4679,-4689,-4701,-4721,-4735, 4738,-4745,-4755,
4765, 4775,-4739, 4740, 4741, 4972,-4982, 4986, 4996, 5002,
5012,-5018, 5017,-4793, 4792, 4791, 4790, 4789,-4788,-4787,
4779, 4778,-4769, 4753,-4750, 4749,-4748,-4743,-4736,-4737,
-4738,
&END
***** METROBUS ROUTE 8 *****
&ROUTE M=4,L=80, ONEWAY=F,
ID='RTE 8:FIU TAMIAMI -> CBD',
RG=80,
H=30.0,
N= -5081,-5082,-5083,-5087,-5088,-5089, 5093,-5094, 5093,-5096,
-5093,-5092,
-5091,-5090,-5098,-4863, 4864,-4866,-4867,-4868,-4870,-4871,
4873,-4874,-4877,-4878,-4879,-4881,-4882,-4883,-4886,-4887,
-4892,-4893,-4894,-4897,-4898,-4901,-4902,-4904,-4908,-4914,
-4918,-4922,-4926,-4930,-4933,-4938,-4941,-4946, 4957, 4964,
-4970,-4979,-4993,-5011,-5010,-5009,
5008,-5021, 5020, 5019, 5018,
-5017, 4793, 4792, 4791,-4790, 4789,-4788, 4787,-4786,
&END
***** METROBUS ROUTE 9 *****
&ROUTE M=4,L=83, ONEWAY=F,
ID='RTE 9:AVENTURA MALL- CBD',
RG=83,
H=40.0,
N= -2206,-2102,-2101,-2100,-2098,-2099,-2203,-2204,-2200,-2198,
-2197, 2194, 2190,-2189,-2187,-2188,-2316,-2317,-2321,-2322,

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-2326,-2329,-2330,-2331,-2327,-2324,-2318,-2313,-2311,-2312,
-2441,-2442,-2443,-2564,-2565,-2691,-2692,-2693,-2690,-2687,
-2797,-2798,-2799,-2800,-2893,-2894,-2896,-3050,-3051,-3052,
-3053,-3054,-4100,-4102,-4101,-4103,-4104,-4241,-4242,-4243,
-4392,-4393,-4394,-4552,-4550,-4540,-4541,-4542,-4543,-4544,
-4546,-4548,-4549,-4783,-4784,-4786,-4787,-4788,-4789,-4790,
-4791, 4792, 4793, 5017, 5018, 5012, 5002, 4996, 4986,-4982,

&END

***** METROBUS ROUTE 10 *****

&ROUTE M=4,L=87, ONEWAY=F,

ID='RTE 10:163 ST MALL - CBD',

RG=87,

H=40.0,

N= 2324, 2327, 2331,-2330,-2329,-2326,-2322,-2323,-2324,
-2449,-2450,-2451,-2570,-2571,-2700,-2701,-2698,-2696,-2693,
-2690,-2689,-2684,-2679,-2680,-2681,-2683,-2687,-2797,-2798,
-2799,-2800,-2893,-2894,-2896,-3050,-3051,-3052,-3053,-3054,
-4100,-4102,-4101,-4103,-4104,-4241,-4242,-4243,-4392,-4393,
-4394,-4552,-4550,-4540,-4541,-4542,-4543,-4544,-4546,-4548,
-4549,-4783,-4784,-4786,-4787,-4788, 4789,-4790,-4791, 4792
4793, 5017, 5018,-5012,-4996, 4986,-4982

&END

***** METROBUS ROUTE 11 *****

&ROUTE M=4,L=89, ONEWAY=F,

ID='RTE 11: FIU - CBD',

RG=89,

H=30.0,

N= 5078,-5076,-5078,
-4848,-4849,-4852,-4851,-4584,-4586,-4588,-4589,-4591,-4594,
-4597,-4601,-4599, 4601, 1859, 1861,
-4602,-4603,-4604,-4607,-4608,-4611,-4612,-4614,-4616,-4618,
-4619,-4623,-4627,-4632,-4633,-4641,-4642,-4648,-4649,-4654,
-4656,-4909,-4911,-4916,-4919,-4923,-4927,-4931,-4934,-4939,
4942, 4947, 4966,-4972,-4982, 4986, 4996, 5002, 5012,-5018,
5027, 5030, 5041,-5043, 5047, 5049,

&END

&ROUTE M=4,L=90,

ONEWAY=F,

ID='RTE 11:MIDWAY MALL - CBD',

H=30.0,

RG=89,

RL=89,

N= -4599,-4601, 1859, 1861, 0,-5043,

&END

***** METROBUS ROUTE 12 *****

&ROUTE M=4,L=95, ONEWAY=F,

ID='RTE 12:NS-MERCY VIA 12AV',

RG=95,

H=30.0,

N= -2988, 2986, 2988,-2992,-2993,-2997,-3001,-3004,-3006,-3007,
-3009,-3013,-3016,-3020,-4071,-4072,-4069, 4072,-4073, 4072,
4073,-4074,-4076,-4077,-4210,-4211,-4212, 4213,-4214,-4216,
-4350,-4351,-4352,-4353,-4354,-4356,-4359,-4366,-4483,-4484,
-4481,-4478,-4474,-4472,-4471,-4477, 4478, 4479,-4480,-4669,
-4670,-4671,-4927,-4928,-4929,-4930,-5179,-5182,-5184,-5185,
-5325, 5185, 5184,-5328,-5331,-5327,-5323,-5322,

&END

***** METROBUS ROUTE 16 *****

&ROUTE M=4,L=101, ONEWAY=F,

ID='RTE 16:163 ST MALL - CBD',

```

      RG=71,
      H=20.0,
N= 2331, 2330, 2329, 2326, -2322,
   -2323, -2324, -2327, -2331, -2332, -2453, -2454, -2574, -2576, -2577,
   -2704, -2706, -2703, -2702, -2701, -2698, -2696, -2693, -2694, -2802,
   -2803, -2804, -2806, -2898, -2899, -2900, -3060, 3061, -3062, -3063,
   -3064, -3066, -4108, -4109, -4110, -4111, -4244, -4246, -4247, 4248,
   -4249, -4396, -4397, -4398, -4399, -4564, -4566, 4567, -4568, 4569,
   4571, -4572, 4573, -4819, -4820, 4821, -4822, 4823, -4824, 4826,
   4827, -4828, 5049, 5047, -5043, 5041, 5030, 5027, 5018, -5012,
   5002, 4996, 4986, -4982,
      &END
***** METROBUS ROUTE 17 *****
&ROUTE M=4,L=105,                                ONEWAY=F,
      ID='RTE 17:VZ STA - NORWOOD ',
      RG=105,
      H=60.0,
N= -5325, 5185, -5181, -5178, -5177, -5176, -5174, -4922, 4921, -4920,
   -4919, 4666, -4664, -4663, 4469, -4468, 4467, -4466, -4464, -4336,
   -4334, -4333, -4332, -4331, -4330, -4204, -4203, -4202,
   -4193, 4202, -4201, -4200, -4199, -4068, -4067, -4066,
   -4064, -3013, -3012, -3011, -3010, -2873, -2872, -2871, -2778, -2657,
   -2656, -2654, -2653, -2649, -2536, 2534, -2413, -2412, -2411, -2410,
   -2409, -2408, -2287, -2286, -2158, -2157, 2156, -2062, -2156, 2157,
   -2159, -2160, -2164, -2168, -2167, -2067, -2068, -2171, -2172,
      &END
***** METROBUS ROUTE 21 *****
&ROUTE M=4,L=107,                                ONEWAY=F,
      ID='RTE 17:VZ-NW 103ST&7AVE ',
      RG=105,
      H=25.0,
      RL=105,
N= -5325,      0, -2778, -2780, -2781, -2784,
      &END
***** METROBUS ROUTE 21 *****
&ROUTE M=4,L=110,                                ONEWAY=F,
      ID='RTE 21:NW27AVE&160ST-CBD',
      RG=110,
      H=60.0,
N= -2406, -2400, -2401, -2402, -2403, -2404, -2527, -2528, -2529, -2530,
   -2531, -2644,
   -2646, -2647, -2643, 2647, -2769, -2770, -2771, -2861, -2862, -2863,
   -2996, -2997, -3001, -3004, -3006, -3007, -3009, -3013, -3016, -3020,
   -4071, -4072, -4073, -4074, -4076, -4077, -4210, -4211, -4212, 4213,
   -4214, -4216, -4350, -4351, -4352, -4353, -4354, -4356, -4359, -4366,
   -4483, -4490, -4496, -4508, -4511, -4512, -4513, -4514, -4506, -4507,
   -4687, -4688, -4689, -4701, -4721, 4735, -4738, -4745, -4755, 4765,
   -4775, 4739, 4740, 4741, 4972, -4982, -4986,
      &END
***** METROBUS ROUTE 22 *****
&ROUTE M=4,L=111,                                ONEWAY=F,
      ID='RTE 21:NORTHSIDE - CBD ',
      RG=110,
      H=60.0,
      RL=110,
N= 2989, -2988, -2992, -2993, -2997,      0, -4982, -4986, 4752,
      &END
***** METROBUS ROUTE 22 *****
&ROUTE M=4,L=112,                                ONEWAY=F,
      ID='RTE 22:163ST MALL->GROVE',

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                RG=112,
                H=60.0,
N= -2326,-2322,-2323,-2324,-2318,-2313,-2311,-2309,-2308,-2306,
    -1751,-1732,-2299,-2300, 2299, 2293,-2291, 2292,-2416,
    -2408,-2409,-2410,-2411,-2412,-2413,-2534,
    2536,-2649,-2650,-2651,-2774,-2776,-2866,-2867,-2868,-2869,
    -3003,-3004,-3006,-3007,-4058,-4059,-4060,-4061,-4189,-4190,
    -4191,-4192,-4193,-4194,-4196,-4322,-4323,-4324,-4326,-4327,
    -4458,-4459,-4460,-4461,-4658,-4659,-4660, 4910,-4911,-4912,
    -4913, 4914,-5169,-5170,-5171,-5312,-5313,-5314,-5316,-5454,
    -5452,-5451,
                                &END

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&ROUTE M=4,L=113,                                ONEWAY=F,
                ID='RTE 22:163 MALL-CIV CNTR',
                RG=112,
                H=28.0,
                RL=112,
N= -2326,      0,-4326,-4327,-4328,-4336,-4339,-4346,-4349,-4356,
    -4477,
                                &END
***** METROBUS ROUTE 24 *****
&ROUTE M=4,L=115,                                ONEWAY=F,
                ID='RTE 24:FIU TAMiami-CBD ',
                RG=115,
                H=50.0,
N= -5081,-5082,-5083,-5087,-5088,-5089,-5093,
    -5096,-5097,-5100,-5101, 5103,-5104,-5106,-5109,-5110,-5113,
    -5114,-5118,-5119,-5121,-5122,-5128,-5129,-5270,-5273,-5279,
    -5280,-5142,-5140,-5139,-5143,-5148,-5149,-5150,-5152,-5158,
    -5159,-5162,-5163,-5167,-5168,-5171,-5172,-5173,-5177,-5178,
    5181,-5185,-5325, 5185,-5184, 5186,-5188,-5189,-5190,-5192,
    -5194,-5197,-5199,-5201,-5200,-5039, 5038,-5037,-5036,-5034,
    5033,-5032, 5031, 5030, 5027,-5018, 5012, 5002, 4996,-4986,
                                &END

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&ROUTE M=4,L=117,                                ONEWAY=F,
                ID='RTE 24:WESTCHESTER-CBD ',
                RG=115,
                H=33.0,
                RL=115,
N= -5093,-5096,-5097,      0,-4986,
                                &END
***** METROBUS ROUTE 27 *****
&ROUTE M=4,L=119,                                ONEWAY=F,
                ID='RTE 27: CALDER ->FLAGLER',
                RG=119,
                H=30.0,
N= -2008,-2009,-2010,-2011,-2057,-2058,-2056,-2054,-2139,-2140,
    -2143,-2147,-2148,-2150,-2151,-2152,-2153,-2280,-2281,-2400,
    -2401,-2402,-2403,-2404,-2527,-2528,-2529,-2530,-2531,-2644,
    -2646,-2647,
    -2643, 2647,-2769,-2770,-2771,-2861,-2862,-2863,-2996,-2997,
    -2998,-2999,-3000,-4051,-4052,-4053,-4054,-4180,-4181,-4182,
    -4183,-4184,-4186,-4313,-4314,-4316,-4317,-4318,-4319,-4453,
    -4454,-4456,-4651,-4652,-4653,-4654,
                                &END

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&ROUTE M=4,L=121,                                ONEWAY=F,
                ID='RTE 27:NW183S&27A->GROVE',

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      RG=119,
      H=30.0,
N= -2143,-2147,-2148,-2150,-2151,-2152,-2153,-2280,-2281,-2400,
    -2401,-2402,-2403,-2404,-2527,-2528,-2529,-2530,-2531,-2644,
    -2646,-2647,
    -2643, 2647,-2769,-2770,-2771,-2861,-2862,-2863,-2996,-2997,
    -2998,-2999,-3000,-4051,-4052,-4053,-4054,-4180,-4181,-4182,
    -4183,-4184,-4186,-4313,-4314,-4316,-4317,-4318,-4319,-4453,
    -4454,-4456,-4651,-4652,-4653,-4654,-4899,-4900,-4901,-5164,
    -5166,-5167,-5307,-5308,-5309,-5310,-5453,-5454,-5452,-5451,
    -5449,-5446,
      &END
***** METROBUS ROUTE 28 *****
&ROUTE M=4,L=129,                                ONEWAY=F,
      ID='RTE 28:FIU NORTH-HLH STA',
      RG=129,
      H=60.0,
N= -2464,-2462, 2463,-2578,-2579, 2577,-2573,-2571, 2569,-2568,
    -2566,-2565,-2563,-2562, 2560,-2559,-2558,-2556,
    2554,-2551,-2548,-2546,-2543,-2541,-2537,-2536,-2533,
    -2531,-2521,-2520,-2518, 2512, 2513,-2637,-2638,-2636,-2633,
    -2634,-2756,-2757,-2758,-2846,-2847,-2848, 2849,-2969,-2970,
    2971,-2966,-2963,
      &END
***** METROBUS ROUTE 29 *****
&ROUTE M=4,L=131,                                ONEWAY=F,
      ID='RTE 29: VOTECH -TRI PRK',
      RG=131,
      H=70.0,
N=  2249,-2250,-2384,-2386, 2503, 2504,-2502,-2499,-2500,-2501,
    -2618,-2619,-2616,-2613, 2611,-2609, 2608,-2607, 2608, 2609,
    -2611,-2612,-2733,-2734,-2736, 2734,-2737,-2739,-2740,
    -2828,-2829,-2933,-2941,-2943,-2950,-2952,-2953,-2959,-2961,
    -2962,-2963,-2966,
    -2967,-4017,-4018,-4019,-4021,-4020,
      &END
***** METROBUS ROUTE 32 *****
&ROUTE M=4,L=133,                                ONEWAY=F,
      ID='RTE 32:CAROL CITY - OMNI',
      RG=133,
      H=30.0,
N= -2053,-2052,-2051, 2052,-2132,-2133,-2134,-2258,-2260,-2263,
    -2264,-2390,-2392,-2270,-2269, 2141,-2144,-2146,-2274,-2276,
    -2396,-2397,-2398,-2394,-2514,-2516,-2517,-2518,-2520,-2521,
    -2522,-2641,-2642,-2643,-2647, 2643,
    -2764,-2766,-2767,-2858,-2859,-2987,-2988,-2992, 2988,-2989,
    -2990,-2991,-4044,-4046,-4047,-4048,-4173,-4174,-4176,-4177,
    -4307,-4308,-4309,-4306,-4319,-4321,-4327,-4328, 4336,-4339,
    -4346,-4471,-4477,-4356,-4359,-4366,-4368,-4374,-4377,-4378,
    -4383,-4384,-4391,-4394,-4552,-4553,-4554,-4566,-4578, 4574,
      &END
***** METROBUS ROUTE 33 *****
&ROUTE M=4,L=135,                                ONEWAY=F,
      ID='RTE 33:LITTLE RIV-HL GDN',
      RG=135,
      H=45.0,
N= -3068,-3063,-3062,-3061,-3060,-2900,-2903,-2901,-2899,-2897,
    -2894,-2890,-2886,-2883,-2882,-2880,-2876,-2871,-2870,-2867,
    -2866,-2776,-2773,-2772,-2770,-2768,-2766,-2763,-2762,-2761,
    -2759,-2757,-2754,-2752,-2750,-2748,-2746,-2743,-2741,-2739,

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N= -4839,-4841,-4842,-5064,-5066,-5067,-5068,-5216,-5217,-5218,
-5219,-5221, 5223, 5224, 5226,-5228,-5229,-5232,-5233,-5237,
-5238,-5242,-5243,-5247,-5248,-5245,-5249,-5255,-5250,-5251,
-5253,-5254,-5256,-5257,-5259,-5261,-5264,-5268,-5269,-5278,
-5284,-5286, 5290, 5291, 5296,-5439,-5296,-5291,-5290,-5289,
-5288,-5287,-5150,-5149,-5148,-5143,-5139,
&END

&ROUTE M=4,L=151, ONEWAY=F,
ID='RTE 40:122AV&10->GABLES ',
RG=150,
H=30.0,
RL=150,
N= -4843,-4844,-5069,-5071,-5072,-5073,-5218, 0,-5143,-5139,
&END

***** METROBUS ROUTE 41 *****

&ROUTE M=4,L=152, ONEWAY=F,
ID='RTE 41:ROUND TWRS-CG STA',
RG=152,
H=55.0,
N= -4331,-4337,-4341,-4347,-4351,-4357,-4361,-4370,-4376,-4380,
-4386,-4388,-4389,-4390,-4391,-4531,-4540,-4541,-4542,-4543,
-4544,-4546,-4548,-4549,-4783,-4784,-4786,-4787,-4788, 4789,
-4790,-4791,-4792,-4793, 5017,-5018, 5012, 5002, 4996, 4986,
-4982,-4972,-4973,-4974, 4984,-4998, 5007,-5008,-5009,-5010,
-5011,-4993,-5196,-5197,-5199,-5343,-5344,-5342,-5194,-5193,
-4979,-4970,-4964,-4957,-4946,-4941,-4938,-4937,-4936,-4934,
-4931,-4927,-4923,-4919,-4916,-4911, 4910,-4660,-4659,-4658,
-4461,-4460,-4453,-4451,-4644,-4637,-4638,-4639,-4640,-4641,
-4890,-4891,-4892,-4893,-4894,-4897,-5160,-5161,-5162,-5299,
-5300,-5301,-5302,-5303,-5306,-5310,-5309,
&END

***** METROBUS ROUTE 42 *****

&ROUTE M=4,L=153, ONEWAY=F,
ID='RTE 42:OPA LKA-DINNERKEY',
RG=153,
H=70.0,
N= 2517,-2519,-2523,-2529,-2530,-2531,-2521,-2520,-2518,
-2512,-2513,-2637,-2638,-2639,-2760,-2761,-2851,-2852,-2853,
-2976,-2977,-2978,-2979,-2980,-4034,-4036,-4037,-4038,-4162,
-4163,-4164,-1898, 1899,-1900, 1902,-1904,-4289,-4290,-4291,
-4288, 4291,-4441,-4442,-4443,-4444,-4629,-4630,-4631,-4632,
-4633,-4641,-4890,-4889,-4888,-4887,-5146, 5147,-5148,-5149,
-5150,-5144,-5142,-5280,-5281,-5282,-5283,-5284,-5286,-5290,
-5291, 5296, 5291,
-5296,-5439,-5440,-5441,-5446,-5449,-5451,-5452,-5454,-5453,
&END

***** METROBUS ROUTE 48 *****

&ROUTE M=4,L=157, ONEWAY=F,
ID='RTE 48: DS STA - CBD ',
RG=157,
H=60.0,
N= -5601,-5602,-5603,-5609,-5611,-5612,-5616,-5614,-5617,-5508,
-5509,-5510,-5514, 5513,-5512,-5513,-5520,-5523,-5526,-5527,
-5426,-5530,-5532,-5536,-5534,-5533,-5432,-5431,-5433,-5438,
-5441,-5440,-5439,-5437,-5436,-5434,-5290,-5291,-5296, 5439,
5440, 5441,-5446,-5449,-5451,-5452,
-5454,-5316,-5317,-5321,-5322,-5323,-5327,-5332,-5336,-5341,
-5347,-5346,-5201,-5199,-5197,-5194,-5193,-4979,-4993,-5011,
-5010,-5009,-5008,-5007,-5006,-5004,-5003,-5002,-4996, 4986

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-4982,-4972,-4741,-4747,-4752,-4986,
&END
***** METROBUS ROUTE 52 *****
&ROUTE M=4,L=159, ONEWAY=F,
ID='RTE 52:CR GOVCNTR-GABLES',
RG=159,
H=60.0,
N= -6059, 6058,-6056,-6052,-6001,-6003,-6004,-6006, 5951,-5950,
-5948,-5943,-5942,-5941,-5939,-5881,-5878,-5877, 5878, 5881,
5883,-5884,-5887,-5888,-5889,-5890,-5891,-5897,-5896,-5848,
5846,-5844,-5843,-5842,-5837,-5807,
-5808, 5811,-5809,-5811,-5812,-5813,-5814,-5816,-5769,-5770,
-5771,-5717,-5718,-5719,-5720,-5667,-5669,-5603,-5602,-5601,
-5608,-5607,-5606,-5604,-5613,-5617,-5508,-5507,-5509,-5510,
-5514,-5513,-5512,-5519,-5520,-5523,-5526,-5424,-5423,-5268,
-5269,-5272,-5277,-5282,-5281,-5280,-5142,-5144,-5150,
&END
***** METROBUS ROUTE 54 *****
&ROUTE M=4,L=163, ONEWAY=F,
ID='RTE 54:WESTLAND-BB&54 ST',
RG=163,
H=50.0,
N= -2736,-2734,-2737,-2739,-2741,-2743,-2744,-2832,-2833,-2943,
-2944, 2946,
-2938, 2936, 2938,-2946,-2956,-2963,-2966,-2971,-2972,-4027,
-4028,-4029,-4030,-4033,-4038,-4040,-4042,-4043,-4048,-4050,
-4054,-4057,-4061,-4063,-4068,-4070,-4077,-4079,-4084,-4091,
-4093,-4098,-4099,-4104,-4107,-4111,-4110,
&END
***** METROBUS ROUTE 56 *****
&ROUTE M=4,L=165, ONEWAY=F,
ID='RTE 56:MDCC-S ->CG TERM ',
RG=165,
H=60.0,
N= -5653,-5651,-5649,-5571,
-5573,-5572,-5474,-5473,-5378,-5379,-5383,-5384,-5386,-5387,
-5391,-5392,-5393,-5397,-5399,-5401,-5402,-5404,-5406,-5408,
-5411,-5416,-5419,-5422,-5519,-5520,-5523,-5526,-5424,-5423,
-5268,-5269,-5272,-5277,-5282,-5281,-5280,-5142,-5140,-5139,
-5143,-5148,
&END
***** METROBUS ROUTE 57 *****
&ROUTE M=4,L=167, ONEWAY=F,
ID='RTE 57:CORAL REEF-GABLES',
RG=167,
H=179.0,
N= -5812,-5813,-5817,-5820,-5821,-5824,-5823,-5822,-5774,-5773,
-5724,-5727,-5729,-5728,-5730,-5732,-5676,-5674,-5621,-5620,
-5619,-5518, 5517,-5511,-5509,-5507, 5509, 5511,-5517,-5516,
-5514,-5513, 5512, 5419,-5418,-5417,-5259,-5258,-5260,-5262,
-5263,-5267,-5271,-5276,-5274,-5273,-5279,-5280,-5142,-5144,
-5150,-5149,-5148, 5143,

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&END

&ROUTE M=4,L=168, ONEWAY=F,
ID='RTE 57:SM STA - CG TERM ',
RG=167,
RL=167,
H=105.0,
N= -5509, 5511,-5517,-5516,-5514, 0,-5148, 5143,
&END

***** METROBUS ROUTE 62 *****
&ROUTE M=4,L=169, ONEWAY=F,
ID='RTE 62:TR PARK HLH-OMNI ',
RG=169,
H=30.0,
N= -4022, 4020,-4021,-4019,
-4018,-4024,-4028,-4032,-4036,-4039,-4041,-4046,-4049,-4052,
-4056,-4059,-4062,-4066,-4069,-4072,-4078,-4081,-4086,-4088,
-4090,-4096,-4102,-4101,-4106,-4109,-4110,-4111,-4244,-4246,
-4247,-4248,-4249,-4396,-4397,-4398,-4399,-4564,-4566,-4554,
4556, 4562,-4567,
&END

&ROUTE M=4,L=170, ONEWAY=F,
ID='RTE 62:MLK STA- OMNI ',
RG=169,
H=30.0,
RL=169,
N= -4052, 0,-4567,
&END

***** METROBUS ROUTE 67 *****
&ROUTE M=4,L=173, ONEWAY=F,
ID='RTE 67: MDCC S -CG TERM ',
RG=173,
H=60.0,
N= -5653,-5699,-5701,-5703,-5704,-5707,-5708,-5709,-5661,-5660,
-5584,-5586,-5589,-5590,-5593,-5594,-5596,-5597,-5598,-5599,
-5600,-5601,-5608,-5609,-5610,-5613,
-5502,-5501,-5500,-5412,-5411,-5410,-5409,-5253,-5252,-5109,
5110,-5113,-5110, 5109,-5108,-5112,-5117,-5120,-5126,-5130,
-5133,-5139,-5143,-5148,-5149,-5150,
&END

***** METROBUS ROUTE 70 *****
&ROUTE M=4,L=175, ONEWAY=F,
ID='RTE 70:FLA CITY->CUTLER ',
RG=137,
H=60.0,
N= -6309,-6308,-6304,-6299,-6298,-6297,-6296,-6294,-6252,-6251,
-6249,-6253,-6256,-6259,-6258,-6208,-6209,-6211,-6212,-6219,
-6222,-6221,-6216,-6214,-6162,-6161,-6163,-6164,-6166,-6169,
-6174,-6173,-6172,-6177, 6172,-6171,-6127,-6133,-6136,-6139,
-6141,-6182,-6191,-6143,-6146,-6147,-6104,-6103,-6102,-6054,
-6053,-6052,-6056,-6058,-6059,-6010,-6009,-6008,-6007,-6002,
-6001,-6003,-6000,-5998,-5999,-5948,-5950,
&END

***** METROBUS ROUTE 71 *****
&ROUTE M=4,L=177, ONEWAY=F,
ID='RTE 71:MDCC-S->INTL MALL',
RG=177,
H=60.0,
N= -5653,-5656,-5654,-5578,-5577,-5481,-5479,-5477,-5473,-5378,

5377,-5223,-5224,-5226,-5228,-5227, 5082,-5081,-5078, 5081,
-4852,-4851,-4584,-4582, 4584,-4583,-4408,-4407,-4257,

&END

***** METROBUS ROUTE 72 *****

&ROUTE M=4,L=181, ONEWAY=F,

ID='RTE 72:SW140A&47->SM STA',

RG=181,

H=30.0,

N= -5368, 5369,-5367,-5366, 5367,-5369,-5371,-5464,-5466,-5467,
-5469,-5471,-5470,-5474,-5476,-5481,-5482,-5484,-5486,-5489,
-5493,-5494,-5496,-5498,-5501,-5503,-5507,-5509,

&END

***** METROBUS ROUTE 73 *****

&ROUTE M=4,L=183, ONEWAY=F,

ID='RTE 73:MI LKS-C WAY/72AV',

RG=183,

H=47.0,

N= 2127, 2128, 2129, 2249,-2250,-2384,-2386,-2383,-2382,-2381,
2379, 2493,-2494,-2496,-2497,-2498,
-2614,-2616,-2617,-2738,-2739,-2740,-2828,-2829,-2933,-2934,
-2936,-2938, 2936,-2937,-2932,-2928,-2929,-3093,-3094,-3096,
-4136,-4137,-4272,-4273,-4274,-4276,-4416,-1886,-4419,-4422,
-4423, 1875,-1888,-1889, 4603,-4604,-4607,-4869,-4870,-5107,
-5108,-5109,-5106,

&END

***** METROBUS ROUTE 75 *****

&ROUTE M=4,L=187, ONEWAY=F,

ID='RTE 75:ML VOTECH->MDCC-N',

RG=187,

H=60.0,

N= -2384,-2250,-2249,-2129,-2128,-2127,-2130,-2133,-2137,-2140,
-2143,-2147,-2148,-2150,-2154,-2157, 2159,-2160, 2164,-2168,
-2164, 2168,
-2167,-2067, 2068,-2171, 2172, 2174,-2178,-2179,-2182,-2184,
-2187, 2189,-2190, 2191,-2192,-2328, 2329,-2326, 2329,-2330,
-2331, 2332,
-2453,-2454,-2574,-2572,-2570,-2568,-2569,-2695,-2692,-2693,
-2690,-2687,-2683,-2681,-2677,-2673,-2669, 2668,-2666,-2662,
-2660,-2658,-2656,-2652,-2650,-2648,-2646,-2647,-2643,

&END

***** METROBUS ROUTE 77 *****

&ROUTE M=4,L=189, ONEWAY=F,

ID='RTE 77:NW183ST&7AVE->CBD',

RG=189,

H=60.0,

N= -2172,-2171,-2068,-2070,-2071,-2072,-2173,-2174,-2176,-2177,
1702, 1703, 1704, 1707, 1709, 1713, 1714, 1719,-1732, 1731,
1728, 1724,-2421,-2422,-2423,-2549,-2550,-2551,-2552,-2663,
-2664,-2666,
-2782,-2783,-2784,-2879,-2880,-2881,-3024,-3026,-3027,-3028,
-3029,-4080,-4081,-4082,-4083,-4084,-4220,-4221,-4222,-4223,
-4224,-4369,-4370,-4371,-4372,-4373,-4374,-4490,-4491,-4492,
-4493,-4494,-4676,-4677,-4678,-4679,-4684,-4686,-4691,-4693,
-4696,-4697,-4950,-4967,-4973,-4972,-4982,-4986, 4996,-5002,
5012,-5018, 5027, 5030, 5041,-5043, 5047,-5049, 4828,

&END

&ROUTE M=4,L=190,

ONEWAY=F,

ID='RTE 77:441&183ST - CBD ',

RG=189,

H=140.0,
RL=189,
N= -2172,-2174, 0,-5049, 4828,
&END

&ROUTE M=4,L=191, ID='RTE 77:GOLDEN GLADES-CBD', ONEWAY=F,
RG=189,
H=30.0,
RL=189,
N= -1732, 0,-5049, 4828,
&END

&ROUTE M=4,L=192, ID='RTE 77:OPA LOCKA - CBD ', ONEWAY=F,
RG=189,
H=60.0,
RL=189,
N= -2519,-2523,-2526,-2527,-2404,-2403,-2407,-2410,-2411,-2412,
-2413,-2534,-2536,-2537,-2541,-2543,-2546,-2548,-2551,-2552,
-2663, 0,-5049, 4828,
&END

***** METROBUS ROUTE 83 *****

&ROUTE M=4,L=193, ID='RTE 83:M LAKES-FIU NORTH', ONEWAY=F,
RG=193,
H=60.0,
N= -2386,-2383,-2382,-2381,-2378,
-2377,-2241,-2240,-2232,-2231,-2123,-2124,-2127,-2130,-2133,
-2137,-2140,-2143,-2147,-2148,-2150,-2154,-2157,-2159,-2160,
-2164,-2168,-2172,-2174, 2176,
-2177,-2176, 2174, 2173,-2072,-2173, 2174,-2178,-2179,-2182,
-2183,-2310,-2311,-2313,-2314,-2317,-2321,-2322,-2326,-2329,
-2330, 2331,-2332,-2333,-2339,-2340,-2344,-2350,-2461,-2462,
-2464,
&END

&ROUTE M=4,L=194, ID='RTE 83: LAKES-163ST MALL', ONEWAY=F,
RG=193,
H=47.0,
RL=193,
N= -2386, 0,-2322,-2326,-2329,-2330,-2331,
&END

***** METROBUS ROUTE 87 *****

&ROUTE M=4,L=197, ID='RTE 87:DN STA-KOGER CNTR', ONEWAY=F,
RG=197,
H=60.0,
N= -5610,-5609,-5608,-5601,-5600,-5599,-5598,-5597, 5596, 5594,
5593,-5592,-5591,-5491,-5490,-5489,-5488,-5398,-5397,-5396,
-5394,-5242,-5241,-5239,-5094,-5093,-5092,-5091,-5090,-4861,
-4859,-4594,-4597,-4601,-4599,-4598,-4596,-4592,-1823,-1822,
-1821,-4414,-4267,-4266,-4264,-4128,-4127,-3083,-3082,
&END

***** METROBUS ROUTE 88 *****

&ROUTE M=4,L=199, ID='RTE88A:SW88&157AV-DN STA', ONEWAY=F,
RG=199,
H=60.0,

N= -5544,-5546,-5547,-5548,-5551,-5552,-5553,-5557,-5559,-5561,
-5562,-5567,-5568,-5565,
-5570, 3989, 3993,-5571,
-5573,-5574,-5576,-5578,
-5579,-5581,-5582,-5584,-5586,-5589,-5590,-5593,-5594,
-5596,-5597,-5598,-5599,-5600,-5601,-5608,-5609,-5610,
&END

&ROUTE M=4,L=200, ONEWAY=F,
ID='RTE 88:SW84&141AV-DN STA',
RG=199,
H=60.0,
RL=199,
N= -5550,-5463,-5466,-5554,-5556,-5557,-5559, 0,-5610
&END

***** METROBUS ROUTE 91 *****
&ROUTE M=4,L=203, ONEWAY=F,
ID='RTE 91:CNM SQ-163ST MALL',
RG=203,
H=60.0,
N= 2020,-2019,-2020,-2022,-2023,-2024,-2074,-2069, 2074,-2076,
-2077,-2078,-2079, 2078,-2081,
-2082,-2084,-2089,-2090,-2086,-2087,-2193,-2194,-2196,-2336,
-2337,-2338,-2339,-2333,-2332,-2331,-2330,-2329,-2326,-2322,
&END

***** METROBUS BRICKELL CONNECTION *****
&ROUTE M=4,L=205, ONEWAY=T,
ID='BRICKELL CONEXN-AM ROUTE',
RG=205,
H=179.0,
N= -5196,-4993,-5011,-5023,-5039,-5200,-5201, 5346,-5347, 5344,
5347,-5346, 5201,-5199,-5197,-5194,-5193,-5196,
&END

***** METRORAIL *****
&ROUTE M=5,L=1, ONEWAY=F,
ID='METRORAIL: STAGE 1',
H=15.0,
N= -5603,-5610,-5509,-5527,-5439,-5309,-5325,-5196,-4759,-4748,
-4493,-4477,-4356,-4216,-4193,-4054,-4052,-2988,-2966,-2938,
&END

***** METROMOVER *****
&ROUTE M=8,L=1, ONEWAY=T,
ID='DPM:CW INNER LOOP',
H=3.5,
N= -4759,-4753,-4787,-4804,-4817,-4828,-5024,-5002,-4759,
&END

&ROUTE M=8,L=2, ONEWAY=T,
ID='DPM:CCW OUTER LOOP',
H=3.5,
N= -4759,-5004,-5024,-4828,-4817,-4804,-4787,-4753,-4759,
&END

KN630MS.MIY86.DATA(INETAM)

```
&PARAM ZONES=1110,CART='CT1',
      PERIOD(4)=(0700,0859),
      PERIOD(5)=(0700,0859),
      PERIOD(6)=(0700,0859),
      PERIOD(7)=(0700,0859),
      PERIOD(8)=(0700,0859),
S(1)=2.5,    MAXS(4)=55,    MAXS(5)=70,    MAXS(6)=60,    MAXS(8)=30,
MAXD(1)=1.2,  MAXD(4)=30,    MAXD(5)=10.,  MAXD(6)=30,    MAXD(8)=.5,
MH  (4)=120,  MH  (5)=60,    MH  (6)=120,  MH  (8)=10,
FH  (4)=.1,   FH  (5)=.1,   FH  (6)=.1,   FH  (8)=.1,
C   (4)= 1,   C   (5)= 1,   C   (6)= 1,   C   (8)= 1,
TECH(4)= 1,   TECH(5)= 4,   TECH(6)= 1,   TECH(8)= 3,
PPV (4)=61,   PPV (5)=475,  PPV (6)=61,   PPV (8)=96,
LAY (4)= 5,   LAY (5)= 2,   LAY (6)= 5,   LAY (8)= 0,
LPC (4)=10,   LPC (5)= 0,   LPC (6)=10,   LPC (8)= 0,
      MAXS(7)=58,
      MAXD(7)=3.,
      MH  (7)=120,
      FH  (7)=.1,
      C   (7)= 1,
      TECH(7)= 4,
      PPV (7)=660,
      LAY (7)= 2,
      LPC (7)= 0
                                &END
&OPTION NET=T  &END
&SELECT REPORT=7 &END
&DATA
```

KN630MS.MIY86.DATA(INETMD)

&PARAM ZONES=1110,CART='FFT',

	PERIOD(4)=(0900,1559),			
	PERIOD(5)=(0900,1559),			
	PERIOD(6)=(0900,1559),			
	PERIOD(7)=(0900,1559),			
	PERIOD(8)=(0900,1559),			
S(1)=2.5,	MAXS(4)=55,	MAXS(5)=70,	MAXS(6)=60,	MAXS(8)=30,
MAXD(1)=1.2,	MAXD(4)=30,	MAXD(5)=10.,	MAXD(6)=30,	MAXD(8)=.5,
	MH (4)=180,	MH (5)=60,	MH (6)=120,	MH (8)=15,
	FH (4)=.1,	FH (5)=.1,	FH (6)=.1,	FH (8)=.1,
	C (4)= 1,	C (5)= 1,	C (6)= 1,	C (8)= 1,
	TECH(4)= 1,	TECH(5)= 4,	TECH(6)= 1,	TECH(8)= 3,
	PPV (4)=61,	PPV (5)=375,	PPV (6)=55,	PPV (8)=96,
	LAY (4)= 5,	LAY (5)= 2,	LAY (6)= 5,	LAY (8)= 0,
	LPC (4)=10,	LPC (5)= 0,	LPC (6)=10,	LPC (8)= 0,
		MAXS(7)=58,		
		MAXD(7)=3.,		
		MH (7)=120,		
		FH (7)=.1,		
		C (7)= 1,		
		TECH(7)= 4,		
		PPV (7)=660,		
		LAY (7)= 2,		
		LPC (7)= 0		

&END

&OPTION NET=T &END

&SELECT REPORT=7 &END

&DATA

 KN630MS.MIY86.DATA(OPTLNKAM)

1	5603	5610	5	.72	1.46		2
1	5610	5509	5	1.31	2.20		2
1	5509	5527	5	1.00	1.88		2
1	5527	5439	5	1.85	2.63		2
1	5439	5309	5	1.12	1.98		2
1	5309	5325	5	1.82	2.60		2
1	5325	5196	5	1.47	2.47		2
1	5196	4759	5	0.84	1.92		2
1	4759	4748	5	0.34	1.18		1
1	4748	4493	5	0.90	2.02	2	1
1	4493	4477	5	0.68	1.77	2	1
1	4477	4356	5	0.42	1.30		1
1	4356	4216	5	0.89	1.75		2
1	4216	4193	5	1.10	2.22		2
1	4193	4054	5	1.23	2.53		2
1	4054	2988	5	0.70	1.70		2
1	4052	2988	5	0.79	2.38		2
1	2988	2966	5	1.99	3.33		2
1	2988	2983	5	0.68	1.55		2
1	2983	2966	5	1.31	2.28		2
1	2966	2938	5	1.40	2.68		2
1	2938	2966	5	1.40	2.75		2
1	2966	2988	5	1.99	3.23		2
1	2966	2983	5	1.31	2.30		2
1	2983	2988	5	0.68	1.43		2
1	2988	4052	5	0.79	2.40		2
1	4052	4054	5	0.70	1.70	2	2
1	4054	4193	5	1.23	2.55		2
1	4193	4216	5	1.10	2.25		2
1	4216	4356	5	0.89	1.78		2
1	4356	4477	5	0.42	1.30		2
1	4477	4793	5	0.68	1.77		1
1	4793	4748	5	0.90	2.07		1
1	4748	4759	5	0.34	1.20		1
1	4759	5196	5	0.84	1.75		1
1	5196	5325	5	1.47	2.48		2
1	5325	5309	5	1.82	2.60		2
1	5309	5439	5	1.12	1.85		2
1	5439	5527	5	1.85	2.63		2
1	5527	5509	5	1.00	1.88		2
1	5509	5610	5	1.31	2.03		2
1	5610	5603	5	0.72	1.78		2
1	4748	4535	5	0.6	1.2	2	1
1	4107	3055	5	1.5	2.1	2	2
1	3055	2899	5	1.1	1.8	2	2
1	2899	2808	5	0.9	1.7	2	2
1	2808	2703	5	1.3	2.0	2	2
1	2703	2462	5	1.9	2.3	2	2
1	2462	2350	5	0.8	1.6	2	2
1	2350	2204	5	1.6	2.2	2	2
1	2204	2099	5	0.6	1.2	2	2
1	4759	4682	5	0.9	1.6	2	1
1	4682	4667	5	0.6	1.3	2	2
1	4667	4656	5	1.0	1.8	2	2
1	4656	4641	5	1.2	2.0	2	2
1	4641	4632	5	0.5	1.1	2	4

1 4632 4614 5	1.5	2.2	2	2
1 4614 4601 5	2.3	2.6	2	2
1 4632 4291 5	1.6	2.2	2	2
1 2403 2531 5	2.5	2.8	2	2
1 2531 2770 5	2.0	2.4	2	2
1 2770 4052 5	1.0	1.8	2	2
1 5603 5719 5	1.5	2.2	2	2
1 5719 5769 5	1.7	2.3	2	2
1 5769 5813 5	1.1	1.9	2	2
1 5813 5893 5	1.7	2.3	2	2
1 5893 5999 5	2.4	2.7	2	2
1 4748 4577 5	0.7	1.5	2	1
1 4577 1504 5	1.0	1.7	2	4
1 1504 1518 5	2.7	2.9	2	4
1 1518 1523 5	0.5	1.0	2	2
1 1523 1531 5	0.4	1.0	2	2
1 1531 1556 5	0.7	1.4	2	1
1 4288 4291 5	0.3	0.8	2	2
1 4535 4245 5	1.4	2.2	2	2
1 4245 4107 5	1.0	1.7	2	2
1 1093 1715 5	5.23	8.0	2	2
1 1715 2983 5	6.6	9.0	2	2
1 2983 4165 5	2.5	5.0	2	2
1 4759 4753 8	.23	1.48	0	1
1 4753 4787 8	.20	.95	0	1
1 4787 4804 8	.21	1.21	0	1
1 4804 4817 8	.13	.77	0	1
1 4817 4828 8	.32	1.56	0	1
1 4828 5024 8	.32	2.00	0	1
1 5024 5002 8	.23	1.41	0	1
1 5002 4759 8	.32	1.48	0	1
1 4759 5004 8	.41	2.20	0	1
1 5004 5024 8	.14	.68	0	1
1 5024 4828 8	.32	2.06	0	1
1 4828 4817 8	.32	1.51	0	1
1 4817 4804 8	.13	.75	0	1
1 4804 4787 8	.22	1.16	0	1
1 4787 4753 8	.19	.95	0	1
1 4753 4759 8	.24	1.20	0	1
1 4804 4800 8	.22	1.16	0	1
1 4800 4795 8	.20	0.90	0	1
1 4795 4560 8	.20	0.80	0	1
1 4560 4577 8	.20	1.10	0	1
1 4577 4566 8	.30	1.20	0	1
1 4566 4542 8	.20	0.90	0	1
1 4542 7001 8	.20	0.90	0	1
1 7001 7002 8	.30	1.20	0	2
1 7002 7003 8	.20	1.10	0	2
1 7003 7004 8	.20	0.80	0	2
1 7004 7005 8	.20	0.90	0	2
1 7005 4787 8	.20	1.00	0	2
1 5004 7010 8	.10	0.50	0	2
1 7010 7011 8	.10	0.80	0	2
1 7011 7012 8	.20	0.80	0	2
1 7012 7013 8	.10	0.90	0	2
1 7013 7014 8	.20	1.00	0	2
1 7014 5346 8	.40	1.30	0	2
1 5346 5196 8	.40	1.30	0	2
1 5196 5198 8	.20	1.00	0	2
1 5198 5023 8	.10	0.90	0	2

1	5023	5025	8	.20	0.80	0	2
1	5025	5021	8	.10	0.80	0	2
1	5021	5024	8	.10	0.50	0	2
1	7001	4566	1	.01	2.5	2	2
1	7002	4577	1	.01	2.5	2	2
1	7003	4560	1	.01	2.5	2	2
1	7004	4795	1	.01	2.5	2	2
1	7005	4800	1	.01	2.5	2	1
1	7010	5021	1	.01	2.5	2	1
1	7011	5025	1	.01	2.5	2	2
1	7012	5023	1	.01	2.5	2	2
1	7013	5198	1	.01	2.5	2	2
1	7014	5196	1	.01	2.5	2	2
1	5512	5519	1	0.21	2.5	2	4
1	4768	4767	1	0.10	2.5	2	1
1	4278	4142	1	0.20	2.5	2	4
1	3037	3038	1	0.10	2.5	2	4
1	1531	1532	1	0.06	2.5	2	4
1	1523	1524	1	0.06	2.5	2	4
1	1715	1721	1	0.06	2.5	2	4
1	1721	1732	1	0.16	2.5	2	4
1	38	1614	1	0.23	2.5	2	4
1	294	2810	1	0.50	2.5	2	4
1	723	5182	1	0.14	2.5	2	4
1	866	5877	1	0.50	2.5	2	4
1	1581	1579	46	0.23	29.3		
1	1579	1571	46	0.29	26.8		
1	1571	1568	46	0.51	28.5		
1	1589	1593	46	0.61	25.0		4
1	1593	1599	46	0.51	25.0		4
1	1618	1617	46	0.30	29.1		
1	1617	1614	46	0.34	29.1		
1	1614	1612	46	0.40	28.8		
1	1622	1623	46	0.16	12.0		
1	1623	1628	46	0.56	20.0		
1	1628	1631	46	0.54	20.0		
1	1638	1641	46	0.18	12.0		
1	1641	1639	46	0.11	20.8		
1	1639	1634	46	0.61	16.8		
1	1634	1632	46	0.56	20.2		
1	1632	1629	46	0.54	23.7		
1	1629	1626	46	0.34	20.2		
1	1626	1624	46	0.08	24.7		
1	1624	1606	46	0.39	28.0		
1	1606	1603	46	0.40	20.0		
1	1603	1597	46	0.21	29.3		
1	1607	1622	46	0.31	25.0		
1	1661	6900	46	1.50	25.0	2	
1	1636	2714	46	0.87	15.0	2	
1	1703	1702	46	0.21	12.5		
1	1704	1703	46	0.11	12.5		
1	1707	1704	46	0.26	12.5		
1	1709	1707	46	0.19	12.5		
1	1713	1709	46	0.13	25.0		4
1	1714	1713	46	0.09	12.5		
1	1719	1714	46	0.16	12.5		
1	1724	2420	46	0.42	12.5		
1	1731	1728	46	0.04	12.5		
1	1732	1719	46	0.12	12.5		
1	1732	1721	46	0.19	14.0	2	2

1	1732	1751	46	1.15	12.5		
1	1751	1732	46	1.15	12.5		
1	1732	2299	46	2.20	12.5	2	
1	1732	2303	46	2.40	12.5		
1	2303	1732	46	2.40	12.5		
1	1904	1902	46	0.31	20.0		4
1	2013	2018	46	0.30	20.0	2	4
1	2018	2019	46	1.04	20.0	2	4
1	2006	2009	46	1.0	20.0	2	
1	2007	2010	46	1.04	20.0	2	4
1	2036	6901	46	1.40	25.0	2	
1	2069	2074	46	0.50	25.0	2	
1	2129	2131	46	0.50	22.0	2	4
1	2141	2144	46	0.50	20.0	2	4
1	2158	2162	46	0.50	22.0	2	4
1	2162	2169	46	0.60	20.0	2	4
1	2258	2260	46	0.12	15.0		
1	2260	2263	46	0.44	15.0		
1	2286	2289	46	0.39	20.0		
1	2289	2291	46	0.10	20.0		
1	2291	2293	46	0.08	20.0		
1	2293	2299	46	0.35	20.0		
1	2299	2301	46	0.08	20.0		
1	2301	2303	46	0.19	20.0		
1	2341	2342	46	0.29	20.0	2	4
1	2383	2502	46	0.80	20.0	2	
1	2384	2388	46	0.99	20.0	2	4
1	2390	2392	46	0.50	20.0	2	4
1	2408	2416	46	0.50	25.0	2	3
1	2424	4226	46	7.11	45.0	2	
1	2426	2429	46	0.22	25.0	2	3
1	2462	2464	46	1.50	30.0	2	3
1	2514	2519	46	0.50	20.0	2	4
1	2602	2606	46	0.5	25.0	2	
1	2606	2728	46	0.5	25.0	2	
1	2620	2624	46	0.54	20.0	2	4
1	2643	2647	46	0.50	20.0	2	4
1	2653	2649	46	0.50	20.0	2	4
1	2517	2518	46	0.12	20.0	2	
1	2522	2641	46	0.45	20.0	2	
1	2556	2554	46	0.35	27.1		
1	2554	2551	46	0.09	30.0		
1	2551	2548	46	0.23	26.3		
1	2548	2546	46	0.26	26.3		
1	2546	2543	46	0.23	24.3		
1	2543	2541	46	0.27	24.3		
1	2541	2537	46	0.24	22.3		
1	2537	2536	46	0.26	22.3		
1	2536	2533	46	0.25	25.4		
1	2533	2531	46	0.28	28.9		
1	2541	2622	46	0.45	25.0		
1	2713	2714	46	0.32	20.0	2	3
1	2724	2726	46	0.07	20.0	2	3
1	2887	2891	46	0.25	20.0	2	3
1	2903	3067	46	0.88	25.0	2	
1	2966	2967	46	0.25	31.3		
1	2967	4017	46	0.11	26.4		
1	2998	3006	46	0.5	20.0		
1	3006	3012	46	0.5	20.0		
1	3018	3014	46	0.25	21.5		

1	3022	3018	46	0.26	27.5		
1	3027	3022	46	0.25	28.1		
1	3031	3027	46	0.10	26.1		
1	3033	3031	46	0.25	27.4		
1	3038	3033	46	0.14	29.0		
1	3039	3046	46	0.25	15.0		
1	3044	3038	46	0.26	28.4		
1	3052	3044	46	0.26	27.4		
1	3058	3059	46	0.13	15.0		
1	3059	3052	46	0.37	27.7		
1	3069	3068	46	0.22	30.0		
1	3068	3063	46	0.50	21.8		
1	3063	3059	46	0.12	27.9		
1	3089	4127	46	0.71	25.0	2	
1	4015	4020	46	0.12	10.0		
1	4017	4018	46	0.38	26.4		
1	4018	4019	46	0.24	30.0		
1	4019	4021	46	0.25	30.0		
1	4022	4016	46	0.11	12.0		
1	4144	4147	46	0.60	20.0	2	3
1	4192	4202	4	0.52	20.0	2	
1	4193	4203	4	0.60	20.0	2	
1	4288	4291	46	0.90	10.0	2	
1	4451	4453	46	0.50	20.0	2	4
1	4453	4460	46	0.90	20.0	2	4
1	4454	4460	46	0.50	20.0	2	4
1	4471	4477	46	0.27	15.0	2	4
1	4483	4490	46	0.30	15.0	2	2
1	4491	4492	46	0.02	15.0	2	2
1	4491	5009	46	0.15	15.0	2	2
1	4506	4514	46	0.21	12.0		
1	4540	4541	46	0.02	15.0		
1	4541	4542	46	0.11	13.2		
1	4542	4543	46	0.08	18.0		
1	4543	4533	46	0.13	20.0		2
1	4543	4544	46	0.09	27.0		
1	4544	4546	46	0.05	25.0		
1	4544	4557	46	0.12	15.0		2
1	4546	4548	46	0.07	19.0		
1	4548	4549	46	0.06	20.0		
1	4549	4783	46	0.05	24.0		
1	4556	4543	46	0.12	15.0		2
1	4557	4563	46	0.02	30.0	0.02 15.0	2
1	4562	4556	46	0.03	10.0		2
1	4567	4562	46	0.13	10.0		2
1	4563	4568	46	0.06	30.0	0.06 15.0	2
1	4564	4578	46	0.24	10.0	2	2
1	4568	4576	46	0.07	10.0		2
1	4574	4567	46	0.07	10.0		2
1	4576	4580	46	0.11	15.0		2
1	4583	4587	46	1.0	25.0	2	
1	4587	4593	46	1.04	25.0	2	
1	4637	4644	46	0.50	20.0	2	4
1	4656	4660	46	0.25	14.0	0.25 22.0	4
1	4689	4679	46	0.23	12.0		2
1	4701	4689	46	0.17	12.0		2
1	4721	4701	46	0.05	12.0		2
1	4735	4721	46	0.05	10.0		2
1	4738	4735	46	0.07	10.0		2
1	4741	4747	46	0.07	10.0		

1	4747	4752	46	0.06	10.0	
1	4749	4768	46	0.12	10.0	2
1	4753	4750	46	0.03	10.0	1
1	4768	4767	46	0.07	10.0	1
1	4769	4753	46	0.10	10.0	1
1	4778	4769	46	0.03	10.0	1
1	4779	4778	46	0.03	10.0	1
1	4783	4784	46	0.13	24.0	
1	4784	4786	46	0.06	14.0	1
1	4786	4787	46	0.06	13.0	1
1	4787	4779	46	0.06	10.0	1
1	4787	4788	46	0.06	12.0	1
1	4788	4789	46	0.05	14.0	1
1	4789	4790	46	0.06	15.0	1
1	4790	4791	46	0.06	11.0	1
1	4791	4792	46	0.02	17.0	1
1	4792	4793	46	0.03	17.0	1
1	4793	5017	46	0.01	20.0	1
1	4839	5065	46	0.60	20.0	3
1	4882	5130	46	0.88	20.0	3
1	4904	4902	46	0.21	18.9	
1	4908	4904	46	0.07	18.9	
1	4914	4908	46	0.16	20.0	
1	4918	4914	46	0.25	15.3	
1	4922	4918	46	0.25	13.8	
1	4926	4922	46	0.25	12.9	
1	4930	4926	46	0.23	11.6	
1	4933	4930	46	0.21	16.0	
1	4938	4933	46	0.23	15.9	
1	4941	4938	46	0.20	22.4	
1	4909	4656	46	0.20	22.4	
1	4911	4909	46	0.06	22.4	
1	4916	4911	46	0.24	19.7	
1	4919	4916	46	0.27	17.5	
1	4923	4919	46	0.25	21.1	
1	4927	4923	46	0.23	30.0	
1	4931	4927	46	0.20	24.8	
1	4934	4931	46	0.24	24.6	
1	4939	4934	46	0.20	25.5	
1	4942	4939	46	0.19	24.9	
1	4946	4941	46	0.20	18.7	
1	4947	4942	46	0.06	24.9	
1	4957	4946	46	0.02	22.5	
1	4964	4957	46	0.05	24.0	
1	4970	4964	46	0.05	27.0	
1	4979	4970	46	0.05	27.0	
1	4993	4979	46	0.14	26.0	
1	4966	4947	46	0.11	30.0	
1	4972	4966	46	0.02	30.0	
1	4982	4972	46	0.07	21.1	
1	4986	4982	46	0.04	30.0	
1	4996	4986	46	0.05	26.0	
1	5002	4996	46	0.05	26.0	
1	5009	5010	46	0.10	10.0	
1	5010	5011	46	0.06	10.0	
1	5011	4993	46	0.09	28.0	
1	5012	5002	46	0.05	25.0	
1	5017	5018	46	0.02	20.0	1
1	5018	5012	46	0.04	25.0	
1	5018	5019	46	0.05	20.0	1

1	5019	5020	46	0.05	14.0		1
1	5023	5011	46	0.08	30.0		
1	5027	5018	46	0.04	25.0		
1	5031	5030	46	0.02	21.0		
1	5032	5031	46	0.02	21.0		
1	5030	5027	46	0.04	25.0		
1	5033	5032	46	0.03	13.0		
1	5034	5033	46	0.01	13.0		
1	5036	5034	46	0.04	21.0		
1	5039	5023	46	0.07	30.0		
1	5041	5030	46	0.03	25.0		
1	5043	5041	46	0.03	25.0		
1	5045	5034	46	0.08	10.0		
1	5047	5043	46	0.05	25.0		
1	5049	5047	46	0.05	25.0		
1	5062	5065	46	0.60	20.0		
1	5073	5218	46	1.00	25.0	2	4
1	5078	5081	46	0.45	25.0	2	4
1	5084	5090	46	1.01	20.0	2	4
1	5090	5098	46	0.50	20.0	2	4
1	5108	5112	46	0.50	20.0	2	4
1	5112	5117	46	0.50	20.0	2	4
1	5512	5519	46	0.15	25.0	2	
1	5116	5120	46	0.36	20.0	2	
1	5117	5120	46	0.36	20.0	2	4
1	5193	5196	46	0.14	20.0	2	
1	5196	4993	46	0.20	15.0		2
1	5197	5196	46	0.21	15.0		2
1	5301	5309	46	0.7	25.0	2	4
1	5423	5429	46	0.61	20.0	2	4
1	5506	5513	46	0.7	20.0	2	4
1	5528	5530	46	0.2	20.0	2	4
1	5530	5533	46	0.4	20.0	2	4
1	5604	5610	46	0.58	20.0	2	4
1	5610	5613	46	0.42	20.0	2	4
1	5653	5699	46	0.60	20.0	2	4
1	5807	5837	46	1.2	25.0	2	4
1	5847	5848	46	0.07	16.4		
1	5848	5896	46	0.40	21.7		
1	5896	5897	46	0.17	21.7		
1	5897	5891	46	0.45	27.8		
1	6163	6164	46	0.47	28.0	2	4
1	6181	6136	46	0.4	28.0	2	4
1	6182	6191	46	1.03	28.0	2	4
1	6214	6216	46	0.51	28.0	2	4

 KN630MS.MIY86.DATA(OPTLNKMD)

1	5603	5610	5	.72	1.46		2
1	5610	5509	5	1.31	2.20		2
1	5509	5527	5	1.00	1.88		2
1	5527	5439	5	1.85	2.63		2
1	5439	5309	5	1.12	1.98		2
1	5309	5325	5	1.82	2.60		2
1	5325	5196	5	1.47	2.47		2
1	5196	4759	5	0.84	1.92		2
1	4759	4748	5	0.34	1.18		1
1	4748	4493	5	0.90	2.02	2	1
1	4493	4477	5	0.68	1.77	2	1
1	4477	4356	5	0.42	1.30		1
1	4356	4216	5	0.89	1.75		2
1	4216	4193	5	1.10	2.22		2
1	4193	4054	5	1.23	2.53		2
1	4054	2988	5	0.70	1.70		2
1	4052	2988	5	0.79	2.38		2
1	2988	2966	5	1.99	3.33		2
1	2988	2983	5	0.68	1.11		2
1	2983	2966	5	1.31	2.28		2
1	2966	2938	5	1.40	2.68		2
1	2938	2966	5	1.40	2.75		2
1	2966	2988	5	1.99	3.23		2
1	2966	2983	5	1.31	2.30		2
1	2983	2988	5	0.68	1.43		2
1	2988	4052	5	0.79	2.40		2
1	4052	4054	5	0.70	1.70	2	2
1	4054	4193	5	1.23	2.55		2
1	4193	4216	5	1.10	2.25		2
1	4216	4356	5	0.89	1.78		2
1	4356	4477	5	0.42	1.30		2
1	4477	4793	5	0.68	1.77		1
1	4793	4748	5	0.90	2.07		1
1	4748	4759	5	0.34	1.20		1
1	4759	5196	5	0.84	1.75		1
1	5196	5325	5	1.47	2.48		2
1	5325	5309	5	1.82	2.60		2
1	5309	5439	5	1.12	1.85		2
1	5439	5527	5	1.85	2.63		2
1	5527	5509	5	1.00	1.88		2
1	5509	5610	5	1.31	2.03		2
1	5610	5603	5	0.72	1.78		2
1	4748	4535	5	0.6	1.2	2	1
1	4107	3055	5	1.5	2.1	2	2
1	3055	2899	5	1.1	1.8	2	2
1	2899	2808	5	0.9	1.7	2	2
1	2808	2703	5	1.3	2.0	2	2
1	2703	2462	5	1.9	2.3	2	2
1	2462	2350	5	0.8	1.6	2	2
1	2350	2204	5	1.6	2.2	2	2
1	2204	2099	5	0.6	1.2	2	2
1	4759	4682	5	0.9	1.6	2	1
1	4682	4667	5	0.6	1.3	2	2
1	4667	4656	5	1.0	1.8	2	2
1	4656	4641	5	1.2	2.0	2	2
1	4641	4632	5	0.5	1.1	2	4

1 4632 4614 5	1.5	2.2	2	2
1 4614 4601 5	2.3	2.6	2	2
1 4632 4291 5	1.6	2.2	2	2
1 2403 2531 5	2.5	2.8	2	2
1 2531 2770 5	2.0	2.4	2	2
1 2770 4052 5	1.0	1.8	2	2
1 5603 5719 5	1.5	2.2	2	2
1 5719 5769 5	1.7	2.3	2	2
1 5769 5813 5	1.1	1.9	2	2
1 5813 5893 5	1.7	2.3	2	2
1 5893 5999 5	2.4	2.7	2	2
1 4748 4577 5	0.7	1.5	2	1
1 4577 1504 5	1.0	1.7	2	4
1 1504 1518 5	2.7	2.9	2	4
1 1518 1523 5	0.5	1.0	2	2
1 1523 1531 5	0.4	1.0	2	2
1 1531 1556 5	0.7	1.4	2	1
1 4288 4291 5	0.3	0.8	2	2
1 4535 4245 5	1.4	2.2	2	2
1 4245 4107 5	1.0	1.7	2	2
1 1093 1715 5	5.23	8.0	2	2
1 1715 2983 5	6.6	9.0	2	2
1 2983 4165 5	2.5	5.0	2	2
1 4759 4753 8	.23	1.48	0	1
1 4753 4787 8	.20	.95	0	1
1 4787 4804 8	.21	1.21	0	1
1 4804 4817 8	.13	.77	0	1
1 4817 4828 8	.32	1.56	0	1
1 4828 5024 8	.32	2.00	0	1
1 5024 5002 8	.23	1.41	0	1
1 5002 4759 8	.32	1.48	0	1
1 4759 5004 8	.41	2.20	0	1
1 5004 5024 8	.14	.68	0	1
1 5024 4828 8	.32	2.06	0	1
1 4828 4817 8	.32	1.51	0	1
1 4817 4804 8	.13	.75	0	1
1 4804 4787 8	.22	1.16	0	1
1 4787 4753 8	.19	.95	0	1
1 4753 4759 8	.24	1.20	0	1
1 4804 4800 8	.22	1.16	0	1
1 4800 4795 8	.20	0.90	0	1
1 4795 4560 8	.20	0.80	0	1
1 4560 4577 8	.20	1.10	0	1
1 4577 4566 8	.30	1.20	0	1
1 4566 4542 8	.20	0.90	0	1
1 4542 7001 8	.20	0.90	0	1
1 7001 7002 8	.30	1.20	0	2
1 7002 7003 8	.20	1.10	0	2
1 7003 7004 8	.20	0.80	0	2
1 7004 7005 8	.20	0.90	0	2
1 7005 4787 8	.20	1.00	0	2
1 5004 7010 8	.10	0.50	0	2
1 7010 7011 8	.10	0.80	0	2
1 7011 7012 8	.20	0.80	0	2
1 7012 7013 8	.10	0.90	0	2
1 7013 7014 8	.20	1.00	0	2
1 7014 5346 8	.40	1.30	0	2
1 5346 5196 8	.40	1.30	0	2
1 5196 5198 8	.20	1.00	0	2
1 5198 5023 8	.10	0.90	0	2

1	5023	5025	8	.20	0.80	0	2
1	5025	5021	8	.10	0.80	0	2
1	5021	5024	8	.10	0.50	0	2
1	7001	4566	1	.01	2.5	2	2
1	7002	4577	1	.01	2.5	2	2
1	7003	4560	1	.01	2.5	2	2
1	7004	4795	1	.01	2.5	2	2
1	7005	4800	1	.01	2.5	2	1
1	7010	5021	1	.01	2.5	2	1
1	7011	5025	1	.01	2.5	2	2
1	7012	5023	1	.01	2.5	2	2
1	7013	5198	1	.01	2.5	2	2
1	7014	5196	1	.01	2.5	2	2
1	5512	5519	1	0.21	2.5	2	4
1	4278	4142	1	0.20	2.5	2	4
1	3037	3038	1	0.10	2.5	2	4
1	1531	1532	1	0.06	2.5	2	4
1	1523	1524	1	0.06	2.5	2	4
1	1715	1721	1	0.06	2.5	2	4
1	1721	1732	1	0.16	2.5	2	4
1	294	2810	1	0.50	2.5	2	4
1	38	1614	1	0.23	2.5	2	4
1	723	5182	1	0.14	2.5	2	4
1	866	5877	1	0.50	2.5	2	4
1	1713	1715	1	0.07	2.0	2	4
1	1579	1571	46	0.29	30.0		
1	1571	1568	46	0.51	30.0		
1	1581	1579	46	0.23	30.0		
1	1589	1593	46	0.61	30.0		4
1	1593	1599	46	0.51	30.0		4
1	1603	1597	46	0.21	30.0		
1	1606	1603	46	0.40	30.0		
1	1607	1622	46	0.31	30.0		
1	1614	1612	46	0.40	30.0		
1	1618	1617	46	0.30	30.0		
1	1617	1614	46	0.34	30.0		
1	1622	1623	46	0.16	20.0		
1	1623	1628	46	0.56	26.8		
1	1628	1631	46	0.54	27.0		
1	1624	1606	46	0.39	30.0		
1	1626	1624	46	0.08	30.0		
1	1629	1626	46	0.34	30.0		
1	1632	1629	46	0.54	30.0		
1	1634	1632	46	0.56	30.0		
1	1638	1641	46	0.18	20.0		
1	1639	1634	46	0.61	30.0		
1	1636	2714	46	0.87	30.0	2	
1	1641	1639	46	0.11	30.0		
1	1661	6900	46	1.50	30.0	2	
1	1713	3113	46	0.50	20.0	2	
1	1703	1702	46	0.21	17.5		
1	1704	1703	46	0.11	17.5		
1	1707	1704	46	0.26	17.5		
1	1709	1707	46	0.19	17.5		
1	1713	1709	46	0.13	17.5		4
1	1714	1713	46	0.09	17.5		
1	1719	1714	46	0.16	17.5		
1	1724	2420	46	0.42	20.0		
1	1731	1728	46	0.04	17.5		
1	1732	1719	46	0.12	17.5		

1	1721	1732	46	0.19	17.5	2	2
1	1732	1751	46	1.15	20.0	2	
1	1732	2303	46	2.40	20.0	2	
1	1732	2299	46	2.20	20.0	2	
1	1904	1902	46	0.31	30.0		4
1	2006	2009	46	1.0	30.0	2	
1	2007	2010	46	1.04	30.0	2	4
1	2013	2018	46	0.21	25.0	2	
1	2018	2019	46	1.01	25.0	2	
1	2036	6901	46	1.40	30.0	2	
1	2069	2074	46	0.50	30.0	2	
1	2129	2131	46	0.50	30.0	2	4
1	2141	2144	46	0.50	30.0	2	4
1	2158	2162	46	0.50	30.0	2	4
1	2162	2169	46	0.60	30.0	2	4
1	2258	2260	46	0.12	25.0		
1	2260	2263	46	0.44	25.0		
1	2286	2289	46	0.39	30.0		
1	2289	2291	46	0.10	30.0		
1	2291	2293	46	0.08	30.0		
1	2293	2299	46	0.35	30.0		
1	2299	2301	46	0.08	30.0		
1	2301	2303	46	0.19	30.0		
1	2341	2342	46	0.29	30.0	2	4
1	2383	2502	46	0.71	30.0	2	4
1	2384	2388	46	0.99	30.0	2	4
1	2390	2392	46	0.50	30.0	2	4
1	2408	2416	46	0.50	30.0	2	
1	2426	2429	46	0.22	30.0	2	4
1	2462	2464	46	1.5	30.0	2	4
1	2620	2624	46	0.54	30.0	2	4
1	2653	2649	46	0.50	30.0	2	4
1	2514	2519	46	0.50	25.0	2	
1	2517	2518	46	0.12	30.0	2	
1	2522	2641	46	0.45	30.0		
1	2533	2531	46	0.28	30.0		
1	2536	2533	46	0.25	30.0		
1	2537	2536	46	0.28	30.0		
1	2541	2622	46	0.45	30.0		
1	2541	2537	46	0.24	30.0		
1	2543	2541	46	0.27	30.0		
1	2546	2543	46	0.23	30.0		
1	2548	2546	46	0.26	30.0		
1	2551	2548	46	0.23	30.0		
1	2554	2551	46	0.09	30.0		
1	2556	2554	46	0.35	30.0		
1	2602	2606	46	0.5	30.0	2	
1	2606	2728	46	0.5	30.0	2	
1	2643	2647	46	0.50	30.0	2	
1	2713	2714	46	0.32	30.0	2	
1	2724	2726	46	0.07	30.0		
1	2887	2891	46	0.25	30.0	2	3
1	2903	3067	46	0.88	30.0	2	
1	2966	2967	46	0.25	30.0		
1	2967	4017	46	0.11	30.0		
1	2998	3006	46	0.5	25.0	2	
1	3006	3012	46	0.5	25.0	2	
1	3018	3014	46	0.25	30.0		
1	3022	3018	46	0.26	30.0		
1	3027	3022	46	0.25	30.0		

1	3031	3027	46	0.10	30.0		
1	3033	3031	46	0.25	30.0		
1	3038	3033	46	0.14	30.0		
1	3039	3046	46	0.26	30.0		
1	3044	3038	46	0.26	30.0		
1	3052	3044	46	0.26	30.0		
1	3059	3052	46	0.37	30.0		
1	3069	3068	46	0.22	30.0		
1	3068	3063	46	0.50	30.0		
1	3063	3059	46	0.12	30.0		
1	4017	4018	46	0.38	30.0		
1	4018	4019	46	0.24	30.0		
1	4019	4021	46	0.25	30.0		
1	4015	4020	46	0.12	20.0		
1	4022	4016	46	0.11	20.0		
1	4127	3089	46	0.75	30.0	2	4
1	4144	4147	46	0.60	30.0	2	3
1	4192	4202	4	0.60	30.0	2	
1	4193	4203	46	0.52	30.0	2	4
1	4288	4291	46	0.90	30.0	2	
1	4451	4453	46	0.50	30.0	2	4
1	4453	4460	46	0.9	25.0	2	4
1	4454	4460	46	0.50	30.0	2	4
1	4471	4477	46	0.27	30.0		2
1	4483	4490	46	0.30	30.0	2	2
1	4491	4492	46	0.02	30.0	0.02 30.0	2
1	4491	5009	46	0.15	30.0	2	2
1	4506	4514	46	0.21	25.0		
1	4540	4541	46	0.02	25.0		
1	4541	4542	46	0.11	25.0		
1	4542	4543	46	0.08	25.0		
1	4543	4533	46	0.13	25.0		2
1	4543	4544	46	0.09	25.0		
1	4544	4546	46	0.05	25.0		
1	4544	4557	46	0.12	25.0		2
1	4546	4548	46	0.07	25.0		
1	4548	4549	46	0.06	25.0		
1	4549	4783	46	0.05	25.0		
1	4556	4543	46	0.12	25.0		2
1	4557	4563	46	0.02	25.0	0.02 25.0	2
1	4562	4556	46	0.03	25.0		2
1	4563	4568	46	0.06	25.0	0.06 25.0	2
1	4564	4578	46	0.24	25.0	2	2
1	4567	4562	46	0.13	25.0		2
1	4568	4576	46	0.07	25.0		2
1	4574	4567	46	0.07	25.0		2
1	4576	4580	46	0.11	25.0		2
1	4583	4587	46	1.0	30.0		
1	4587	4593	46	1.04	30.0		
1	4637	4644	46	0.5	25.0	2	4
1	4656	4660	46	0.25	25.0	0.25 25.0	4
1	4689	4679	46	0.23	25.0		2
1	4701	4689	46	0.17	25.0		2
1	4721	4701	46	0.05	25.0		2
1	4735	4721	46	0.05	25.0		2
1	4738	4735	46	0.07	25.0		2
1	4741	4747	46	0.07	15.0		
1	4747	4752	46	0.06	15.0		
1	4749	4768	46	0.12	25.0		2
1	4753	4750	46	0.03	25.0		1

1	4768	4767	46	0.07	25.0	1
1	4769	4753	46	0.10	25.0	1
1	4778	4769	46	0.03	25.0	1
1	4779	4778	46	0.03	25.0	1
1	4783	4784	46	0.13	25.0	
1	4784	4786	46	0.06	25.0	1
1	4786	4787	46	0.06	25.0	1
1	4787	4779	46	0.06	25.0	1
1	4787	4788	46	0.06	25.0	1
1	4788	4789	46	0.05	25.0	1
1	4789	4790	46	0.06	25.0	1
1	4790	4791	46	0.06	25.0	1
1	4791	4792	46	0.02	25.0	1
1	4792	4793	46	0.03	25.0	1
1	4793	5017	46	0.01	25.0	1
1	4839	5065	46	0.60	30.0	3
1	4882	5130	46	0.88	30.0	3
1	4904	4902	46	0.21	30.0	
1	4908	4904	46	0.07	30.0	
1	4914	4908	46	0.16	30.0	
1	4918	4914	46	0.25	30.0	
1	4922	4918	46	0.25	30.0	
1	4926	4922	46	0.25	30.0	
1	4930	4926	46	0.23	30.0	
1	4933	4930	46	0.21	30.0	
1	4938	4933	46	0.23	30.0	
1	4941	4938	46	0.20	30.0	
1	4909	4656	46	0.20	30.0	
1	4911	4909	46	0.06	30.0	
1	4916	4911	46	0.24	30.0	
1	4919	4916	46	0.27	30.0	
1	4923	4919	46	0.25	30.0	
1	4927	4923	46	0.23	30.0	
1	4931	4927	46	0.20	30.0	
1	4934	4931	46	0.24	30.0	
1	4939	4934	46	0.20	30.0	
1	4942	4939	46	0.19	30.0	
1	4946	4941	46	0.20	30.0	
1	4947	4942	46	0.06	30.0	
1	4957	4946	46	0.02	30.0	
1	4964	4957	46	0.05	30.0	
1	4970	4964	46	0.05	30.0	
1	4979	4970	46	0.05	30.0	
1	4993	4979	46	0.14	30.0	
1	4966	4947	46	0.11	30.0	
1	4972	4966	46	0.02	25.0	
1	4982	4972	46	0.07	25.0	
1	4986	4982	46	0.04	25.0	
1	4996	4986	46	0.05	25.0	
1	5002	4996	46	0.05	25.0	
1	5009	5010	46	0.10	30.0	
1	5010	5011	46	0.06	20.0	
1	5012	5002	46	0.05	25.0	
1	5011	4993	46	0.09	30.0	
1	5017	5018	46	0.02	25.0	1
1	5018	5012	46	0.04	25.0	1
1	5018	5019	46	0.05	25.0	1
1	5019	5020	46	0.05	25.0	1
1	5023	5011	46	0.08	30.0	
1	5027	5018	46	0.04	25.0	1

1	5031	5030	46	0.02	25.0		1
1	5032	5031	46	0.02	25.0		1
1	5030	5027	46	0.04	25.0		1
1	5033	5032	46	0.03	25.0		1
1	5034	5033	46	0.01	25.0		1
1	5036	5034	46	0.04	25.0		1
1	5039	5023	46	0.07	30.0		
1	5041	5030	46	0.03	25.0		1
1	5043	5041	46	0.03	25.0		1
1	5045	5034	46	0.08	20.0		
1	5047	5043	46	0.05	25.0		1
1	5049	5047	46	0.05	25.0		1
1	5062	5065	46	0.60	30.0	2	
1	5073	5218	46	1.00	30.0	2	1
1	5078	5081	46	0.45	30.0	2	1
1	5084	5090	46	1.01	30.0	2	4
1	5090	5098	46	0.50	30.0	2	4
1	5108	5112	46	0.50	30.0	2	2
1	5112	5117	46	0.50	30.0	2	2
1	5116	5120	46	0.36	30.0	2	2
1	5117	5120	46	0.36	30.0	2	2
1	5193	5196	46	0.14	30.0	2	2
1	5196	4993	46	0.20	30.0		2
1	5197	5196	46	0.21	30.0		2
1	5301	5309	46	0.7	30.0	2	4
1	5423	5429	46	0.61	30.0	2	4
1	5506	5513	46	0.7	30.0	2	4
1	5512	5519	46	0.15	30.0	2	4
1	5528	5530	46	0.20	30.0	2	4
1	5530	5533	46	0.40	30.0	2	4
1	5604	5610	46	0.58	30.0	2	4
1	5610	5613	46	0.42	30.0	2	4
1	5653	5699	46	0.60	30.0	2	4
1	5807	5837	46	1.2	30.0	2	4
1	5847	5848	46	0.07	30.0		4
1	5848	5896	46	0.40	30.0		4
1	5896	5897	46	0.17	30.0		4
1	5897	5891	46	0.45	30.0		4
1	6163	6164	46	0.47	30.0	2	4
1	6181	6136	46	0.4	30.0	2	4
1	6182	6191	46	1.03	30.0	2	4
1	6214	6216	46	.51	30.0	2	5

APPENDIX E
COMPUTER OUTPUT SUMMARY

Table 1	Computer Run Time and Cost Summary
Table 2	"GEN" Output Summary 1
Table 3	"GEN" Output Summary 2
Table 4	"HNET" Summary
Table 5	"DISTRIB" Output Summary
Table 6	"TNET" Output Summary
Table 7	"TPATH-UPATH" Output Summary - AM Peak
Table 8	"TPATH-UPSUM" Output Summary - AM Peak
Table 9	"TPATH-UPATH" Output Summary - Midday
Table 10	"TPATH-UPSUM" Output Summary - Midday
Table 11	"LOSSUM" Summary 1
Table 12	"LOSSUM" Summary 2
Table 13	"MODESPLT" Output Summary 1
Table 14	"MODESPLT" Output Summary 2
Table 15	"MODESUM" Output Summary
Table 16	"HASSIGN" Output Summary
Table 17	"TEVAL" Output Summary
Table 18	"TASSIGN" Output Summary

TABLE 1
COMPUTER RUN TIME AND COST SUMMARY

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

MODELING STEP	CPU TIME (MINUTES)	EXC. TIME (MINUTES)	TIME OF RUN	JOB COST (\$)
EXTERNAL	0.3	0.4	7:52 PM	9.44
GEN	0.7	0.8	7:53 PM	23.55
HNET	2.4	10.6	8:03 PM	102.43
DISTRIB	23.7	32.9	8:38 AM	821.15
AUTCON	0.1	2.0	8:40 AM	11.80
TNET	1.7	9.4	8:50 PM	75.52
TPATH	51.9	63.4	9:53 PM	1,749.84
LOSSUM	19.1	32.8	10:26 PM	678.10
MODESPLT	35.8	41.9	11:08 PM	1,196.14
MODESUM	13.3	16.2	11:24 PM	458.88
HASSIGN	13.0	18.8	11:43 PM	456.23
HEVAL	0.4	2.0	11:45 PM	17.57
TASSIGN1	2.2	10.4	11:56 PM	110.33
TASSIGN2	2.7	10.8	12:07 AM	125.49
TOTAL	167.3	252.4	-	5,836.47

YEAR	1986
ALTERNATIVE	EXISTING
RUN NUMBER	FINAL
DATE OF RUN	06-05-89

TABLE 2
 'GEN' OUTPUT SUMMARY 1
 PRODUCTIONS AND ATTRACTIONS

MIAMI TRANSPORTATION PLANNING MODEL
 GANNETT FLEMING

		PRODUCTIONS	UNADJUSTED ATTRACTIONS
HBW		1,461,506	1,610,574
HBNW	HBSH	769,104	2,995,249
	HBSR	804,994	1,639,695
	HBO	1,224,153	1,589,268
	SUBTOTAL	2,798,251	6,224,212
NHB		1,589,664	1,589,664
TOTAL		5,849,421	9,424,450
TRUCK & TAXI		619,886	619,886
I/E		403,400	403,400
E/E		0	0
PERMANENT POPULATION			1,767,670
PERMANENT DWELLING UNITS			675,248
EMPLOYMENT			892,988

YEAR	1989
ALTERNATIVE	EXISTING
RUN NUMBER	FINAL
DATE OF RUN	06-05-89

TABLE 3
 'GEN' OUTPUT SUMMARY 2
 INTERNAL/EXTERNAL PRODUCTIONS

MIAMI TRANSPORTATION PLANNING MODEL
 GANNETT FLEMING

EXTERNAL ZONE	I/E PRODUCTIONS	
1090	21,100	
1091	27,000	
1092	0	
1093	12,500	
1094	0	
1095	133,500	
1096	5,800	
1097	5,400	
1098	35,900	
1099	41,000	
1100	30,000	
1101	5,200	
1102	7,800	
1103	17,400	
1104	17,100	
1105	0	
1106	15,700	
1107	8,300	
1108	3,800	YEAR 1986
1109	12,500	ALTERNATIVE EXISTING
1110	3,400	RUN NUMBER FINAL
TOTAL	403,400	DATE OF RUN 06-05-89

TABLE 4
'HNET' SUMMARY

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

FACILITY TYPE	SYSTEM MILES	LANE MILES
FREEWAY	208	770
DIV. ARTERIAL	486	1,511
UND. ARTERIAL	625	1,268
COLLECTOR	438	799
LOCAL	736	1,490
TOTAL	2,494	5,837

YEAR	1986
ALTERNATIVE	EXISTING
RUN NUMBER	FINAL
DATE OF RUN	06-05-89

TABLE 5
'DISTRIB' OUTPUT SUMMARY

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

	TOTAL PERSON TRIPS	INTRA ZONAL TRIPS		TRIP LENGTH
		TRIPS	PERCENTAGE	
HBW	1,461,661	20,925	1.4	17.923
HBSH	769,143	12,409	1.6	13.150
HBSR	805,034	23,024	2.9	15.386
HBO	1,224,276	48,540	4.0	13.250
NHB	1,589,889	74,265	4.7	13.760
T/T	619,890	23,347	3.8	13.575
I/E	403,405	-	-	34.452

YEAR	1986
ALTERNATIVE	EXISTING
RUN NUMBER	FINAL
DATE OF RUN	06-05-89

TABLE 6
'TNET' OUTPUT SUMMARY

MAIMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

I. AM PEAK (2 HOURS)

	LOCAL BUS	METRORAIL	EXPRESS BUS	COMMUTER RAIL	METROMOVER
ROUTE MILES	2,452.3	41.1	147.3	-	3.9
ROUTE MINUTES	11,995.0	79.9	421.9	-	21.4
VEHICLES	417	14	13	-	12
VEHICLE MILES	8,375.4	815.9	304.9	-	231.2
VEHICLE HOURS	827.0	27.8	25.8	-	23.8

II. MIDDAY (7 HOURS)

	LOCAL BUS	METRORAIL	EXPRESS BUS	COMMUTER RAIL	METROMOVER
ROUTE MILES	2,331.7	41.1	-	-	3.9
ROUTE MINUTES	9,425.4	79.9	-	-	21.4
VEHICLES	301	6	-	-	8
VEHICLE MILES	24,254.1	1,149.2	-	-	470.5
VEHICLE HOURS	2,102.0	41.9	-	-	55.9

YEAR	1986
ALTERNATIVE	EXISTING
RUN NUMBER	FINAL
DATE OF RUN	06-05-89

TABLE 7

'TPATH-UPATH' OUTPUT SUMMARY
AM PEAK

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

		PATH 1	PATH 2	PATH 3
DISTANCE	MEAN	12.958	13.805	19.229
	COUNT	576,523	567,604	791,380
FARE	MEAN	104.834	107.905	97.791
	COUNT	574,701	565,545	643,753
IMPEDANCE	MEAN	174.007	191.909	130.144
	COUNT	576,523	567,604	791,380

PATH 1 : LOCAL BUS (LB)
PATH 2 : LINE-HAUL WITH
LB/WALK ACCESS
PATH 3 : LINE-HAUL WITH
AUTO ACCESS

YEAR 1986

ALTERNATIVE EXISTING

RUN NUMBER FINAL

DATE OF RUN 06-05-89

TABLE 8

'TPATH-UPSUM' OUTPUT SUMMARY
AM PEAKMIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

		PATH 1	PATH 2	PATH 3
MODE 1	MEAN	12.593	13.556	7.022
	COUNT	576,523	567,604	789,871
MODE 2	MEAN	-	-	18.620
	COUNT	-	-	786,020
MODE 4	MEAN	61.325	32.063	23.598
	COUNT	574,022	559,139	707,351
MODE 5	MEAN	-	18.648	20.494
	COUNT	-	318,696	512,892
MODE 6	MEAN	-	25.458	29.460
	COUNT	-	69,058	45,896
MODE 7	MEAN	-	-	-
	COUNT	-	-	-
MODE 8	MEAN	3.432	2.436	2.517
	COUNT	5,832	30,514	27,062
WAIT 1	MEAN	12.874	11.451	5.676
	COUNT	574,701	565,545	782,647
WAIT 2	MEAN	14.958	13.182	12.786
	COUNT	481,835	494,832	582,052
TOTAL	MEAN	173.561	191.413	129.661
WEIGHTED	COUNT	576,523	567,604	791,380
XFERS	MEAN	1.422	1.859	1.258
	COUNT	481,835	494,832	582,052

PATH 1 : LOCAL BUS (LB)
 PATH 2 : LINE-HAUL WITH
 LB/WALK ACCESS
 PATH 3 : LINE-HAUL WITH
 AUTO ACCESS

YEAR 1986

 ALTERNATIVE EXISTING

 RUN NUMBER FINAL

 DATE OF RUN 06-05-89

TABLE 9

'TPATH-UPATH' OUTPUT SUMMARY
MIDDAYMIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

		PATH 1	PATH 2	PATH 3
DISTANCE	MEAN	13.013	12.499	18.624
	COUNT	565,944	534,366	784,527
FARE	MEAN	102.644	99.393	91.865
	COUNT	564,061	532,233	615,062
IMPEDANCE	MEAN	175.262	201.078	137.744
	COUNT	565,944	534,366	784,527

PATH 1 : LOCAL BUS (LB)
 PATH 2 : LINE-HAUL WITH
 LB/WALK ACCESS
 PATH 3 : LINE-HAUL WITH
 AUTO ACCESS

YEAR 1986

 ALTERNATIVE EXISTING

 RUN NUMBER FINAL

 DATE OF RUN 06-05-89

TABLE 10

'TPATH-UPSUM' OUTPUT SUMMARY
MIDDAYMIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

		PATH 1	PATH 2	PATH 3
MODE 1	MEAN	12.646	13.275	7.110
	COUNT	565,944	534,366	784,377
MODE 2	MEAN	-	-	16.594
	COUNT	-	-	779,169
MODE 4	MEAN	50.245	30.807	21.500
	COUNT	563,456	530,152	702,414
MODE 5	MEAN	-	19.000	19.586
	COUNT	-	228,925	496,751
MODE 6	MEAN	-	-	-
	COUNT	-	-	-
MODE 7	MEAN	-	-	-
	COUNT	-	-	-
MODE 8	MEAN	3.487	2.641	2.589
	COUNT	3,825	18,847	35,593
WAIT 1	MEAN	14.481	13.331	9.247
	COUNT	564,061	532,233	775,205
WAIT 2	MEAN	17.577	16.669	15.175
	COUNT	465,953	441,013	555,540
TOTAL	MEAN	174.819	200.571	137.249
WEIGHTED	COUNT	565,944	534,366	784,527
XFERS	MEAN	1.339	1.560	1.185
	COUNT	465,953	441,013	555,540

PATH 1 : LOCAL BUS (LB)
 PATH 2 : LINE-HAUL WITH
 LB/WALK ACCESS
 PATH 3 : LINE-HAUL WITH
 AUTO ACCESS

YEAR 1986

 ALTERNATIVE EXISTING

 RUN NUMBER FINAL

 DATE OF RUN 06-05-89

TABLE 11
'LOSSUM' SUMMARY 1

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

I. SUMTABS

HBW	1,461,661
HBNW	2,798,453
NHB	1,589,889
TRKTXI	619,890
HWAY I/E	403,405

II. SUMTFARE

PK LBUS FARE	60,248,150
PK LHWA FARE	61,025,025
PK LHAA FARE	62,953,050
MD LBUS FARE	57,897,350
MD LHWA FARE	52,900,075
MD LHAA FARE	56,502,825

III. SUMSTAT

ACCSTAT PD (AUTO)	5,511,234
ACCSTAT MD (AUTO)	4,567,606
ACCSTAT PO (WALK)	3,178,244
ACCSTAT MO (WALK)	2,178,736

YEAR	1986
ALTERNATIVE	EXISTING
RUN NUMBER	FINAL
DATE OF RUN	06-05-89

TABLE 12
'LOSSUM' SUMMARY 2

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

IV. SUMTSKIM

PK LBUS	WK	7,260,296
PK LBUS	WT	14,606,063
PK LBUS	M48	35,222,732

PK LHWA	WK	7,694,353
PK LHWA	WT	12,999,077
PK LHWA	M48	18,002,333
PK LHWA	M57	5,943,050
PK LHWA	M6	1,066,038

PK LHAA	WK	5,546,649
PK LHAA	WT	11,884,565
PK LHAA	M48	16,760,171
PK LHAA	M57	10,511,149
PK LHAA	M6	1,326,508
PK LHAA	M2	14,635,586

MD LBUS	WK	7,157,087
MD LBUS	WT	16,358,261
MD LBUS	M48	28,324,797

MD LHWA	WK	7,093,787
MD LHWA	WT	14,446,177
MD LHWA	M48	16,382,298
MD LHWA	M57	4,349,513
MD LHWA	M6	0

MD LHAA	WK	5,577,113
MD LHAA	WT	15,598,412
MD LHAA	M48	15,193,787
MD LHAA	M57	9,729,488
MD LHAA	M6	0
MD LHAA	M2	12,929,551

YEAR 1986

ALTERNATIVE EXISTING

RUN NUMBER FINAL

DATE OF RUN 06-05-89

TABLE 13
'MODESPLT' OUTPUT SUMMARY 1
HIGHWAY PERSON TRIPS

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

	HBW	HBNW	NHB	TOTAL
DRIVE ALONE	877,259	531,906	343,858	1,753,023
2 PERSON	399,842	1,483,723	795,514	2,679,079
3+ PERSON	134,587	728,821	393,075	1,256,483
TOTAL	1,411,688	2,744,450	1,532,447	5,688,585
VEHICLE OCCUPANCY	1.26	1.83	1.77	1.63

YEAR	1986
ALTERNATIVE	EXISTING
RUN NUMBER	FINAL
DATE OF RUN	06-05-89

TABLE 14

'MODESPLT' OUTPUT SUMMARY 2
TRANSIT LINKED TRIPS

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

		HBW	HBNW	NHB	TOTAL
MODE 4		51,865	53,326	30,063	135,254
MODE 5		10,785	4,978	2,453	18,216
MODE 6		423	0	0	423
MODE 7		10,960	2,914	1,173	15,047
MODE 8		547	201	117	865
MODE 9		957	0	0	957
MODE 10		94	0	0	94
MODE 11		1,873	480	214	2,567
MODE 12		292	0	0	292
TOTAL		77,796	61,899	34,020	173,715

MODE 4 : LOCAL BUS
 MODE 5 : LINE-HAUL, WALK/LOCAL BUS ACCESS, METRORAIL
 MODE 6 : LINE-HAUL, WALK/LOCAL BUS ACCESS, EXPRESS BUS
 MODE 7 : LINE-HAUL, P/R ACCESS, METRORAIL, DRIVE ALONE
 MODE 8 : LINE-HAUL, P/R ACCESS, METRORAIL, SHARED RIDE
 MODE 9 : LINE-HAUL, P/R ACCESS, EXPRESS BUS, DRIVE ALONE
 MODE 10 : LINE-HAUL, P/R ACCESS, EXPRESS BUS, SHARED RIDE
 MODE 11 : LINE-HAUL, K/R ACCESS, METRORAIL
 MODE 12 : LINE-HAUL, K/R ACCESS, EXPRESS BUS

YEAR	1986
ALTERNATIVE	EXISTING
RUN NUMBER	FINAL
DATE OF RUN	06-05-89

TABLE 15
'MODESUM' SUMMARY

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

AUTO	VEH	4,508,508
LBUS	HBW	51,865
LBUS	HBNW	53,326
LBUS	NHB	30,063
LBUS	TOT	135,254
LHWA	HBW	11,208
LHWA	HBNW	4,978
LHWA	NHB	2,453
LHWA	TOT	18,639
LHAA	HBW	14,723
LHAA	HBNW	3,595
LHAA	NHB	1,504
LHAA	TOT	19,822
LH	TOT	38,461
TRAN	HBW	77,796
TRAN	HBNW	61,899
TRAN	NHB	34,020
TRAN	TOT	173,715
PERS	HBW	1,461,661
PERS	HBNW	2,798,453
PERS	NHB	1,589,889
PERS	TOT	5,850,003
MDSP	HBW	5.32
MDSP	HBNW	2.21
MDSP	NHB	2.14
MDSP	TOT	2.97

YEAR 1986

ALTERNATIVE EXISTING

RUN NUMBER FINAL

DATE OF RUN 06-05-89

TABLE 16
'HASSIGN' SUMMARY

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

	'HASSIGN'	'DISTRIB'
INTERZONAL TRIPS	4,485,158	4,352,350
INTRAZONAL TRIPS	23,347	123,459
TOTAL TRIPS	4,508,505	4,475,809
VEHICLE MILES	30,871,620	30,913,949
VEHICLE HOURS	1,292,558	1,292,547
TOLL REVENUE	\$ 91,566	\$ 96,164
AVERAGE SPEED (MPH)	23.88	23.92

YEAR	1986
ALTERNATIVE	EXISTING
RUN NUMBER	FINAL
DATE OF RUN	06-05-89

TABLE 17
'HEVAL' SUMMARY

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

I. SCREENLINE V/C RATIO

SCREENLINE NUMBER	VOLUME (V)	CAPACITY (C)	V/C RATIO
1	464,295	485,625	0.96
2	53,657	181,500	0.30
3	677,819	610,875	1.11
4	738,687	765,375	0.97
5	961,453	800,250	1.20
6	844,846	712,875	1.19
7	1,088,338	818,250	1.33
8	277,443	254,250	1.09
9	420,103	493,125	0.85
10	480,088	373,500	1.29
11	272,220	246,375	1.10
12	330,760	376,125	0.88
13	130,204	142,500	0.91
TOTAL	6,739,913	6,260,625	1.08

II. OTHERS

NUMBER OF LINKS	4,395
SYSTEM MILES	1,376
LANE MILES	4,373
DIRECTIONAL MILES	2,631
VMT USING VOLUMES	28,622,192
VMT USING CAPACITY	31,308,768
VMT V/C	0.91
VHT USING VOLUMES	1,115,947
ORIGINAL SPEED	30.9
CONGESTED SPEED	25.7

YEAR 1986

ALTERNATIVE EXISTING

RUN NUMBER FINAL

DATE OF RUN 06-05-89

TABLE 18

'TASSIGN' OUTPUT SUMMARY
DAILY TRANSIT UNLINKED TRIPS

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

	HBW	HBNW & NHB	TOTAL
LOCAL BUS	86,015	124,142	210,157
EXPRESS BUS	2,214	-	2,214
METROMOVER	6,687	3,500	10,187
METRORAIL	24,165	12,530	36,695
TOTAL	119,081	140,172	259,253

YEAR	1986
ALTERNATIVE	EXISTING
RUN NUMBER	FINAL
DATE OF RUN	06-05-89

APPENDIX F
MODE CHOICE MODEL
SENSITIVITY ANALYSIS

Table 1 & Figure 1	PARKING COST
Table 2 & Figure 2	TRANSIT HEADWAY
Table 3 & Figure 3	METRORAIL STATION PARKING COST
Table 4 & Figure 4	AUTO COST
Table 5 & Figure 5	TRANSIT FARE
Table 6 & Figure 6	TRANSIT IN-VEHICLE TIME
Table 7 & Figure 7	TRANSIT WALK ACCESS TIME

TABLE 1
MODE CHOICE MODEL SENSITIVITY ANALYSIS
PARKING COST

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

	BASE	SEN1	SEN2
MODE 1	1,716,794	1,674,996	1,638,418
MODE 2	2,599,230	2,605,450	2,607,061
MODE 3	1,217,188	1,231,270	1,243,859
MODE 4	130,258	143,022	156,091
MODE 5	16,472	19,492	22,601
MODE 6	429	561	700
MODE 7	15,589	19,580	23,884
MODE 8	815	1,002	1,206
MODE 9	1,061	1,488	1,983
MODE 10	48	67	90
MODE 11	3,164	3,976	4,844
MODE 12	357	501	668
TOTAL	5,701,405	5,701,405	5,701,405
SEN1 : PARKING COST INCREASED BY 100%			
SEN2 : PARKING COST INCREASED BY 200%			

MODE 1 : DRIVE ALONE
MODE 2 : 2 PERSON CAR POOL
MODE 3 : 3+ PERSON CAR POOL
MODE 4 : LOCAL BUS
MODE 5 : LINE-HAUL, WALK/LOCAL BUS ACCESS, METRORAIL
MODE 6 : LINE-HAUL, WALK/LOCAL BUS ACCESS, EXPRESS BUS
MODE 7 : LINE-HAUL, P/R ACCESS, METRORAIL, DRIVE ALONE
MODE 8 : LINE-HAUL, P/R ACCESS, METRORAIL, SHARED RIDE
MODE 9 : LINE-HAUL, P/R ACCESS, EXPRESS BUS, DRIVE ALONE
MODE 10 : LINE-HAUL, P/R ACCESS, EXPRESS BUS, SHARED RIDE
MODE 11 : LINE-HAUL, K/R ACCESS, METRORAIL
MODE 12 : LINE-HAUL, K/R ACCESS, EXPRESS BUS

FIGURE 1

**MODE CHOICE MODEL SENSITIVITY
PARKING COST**

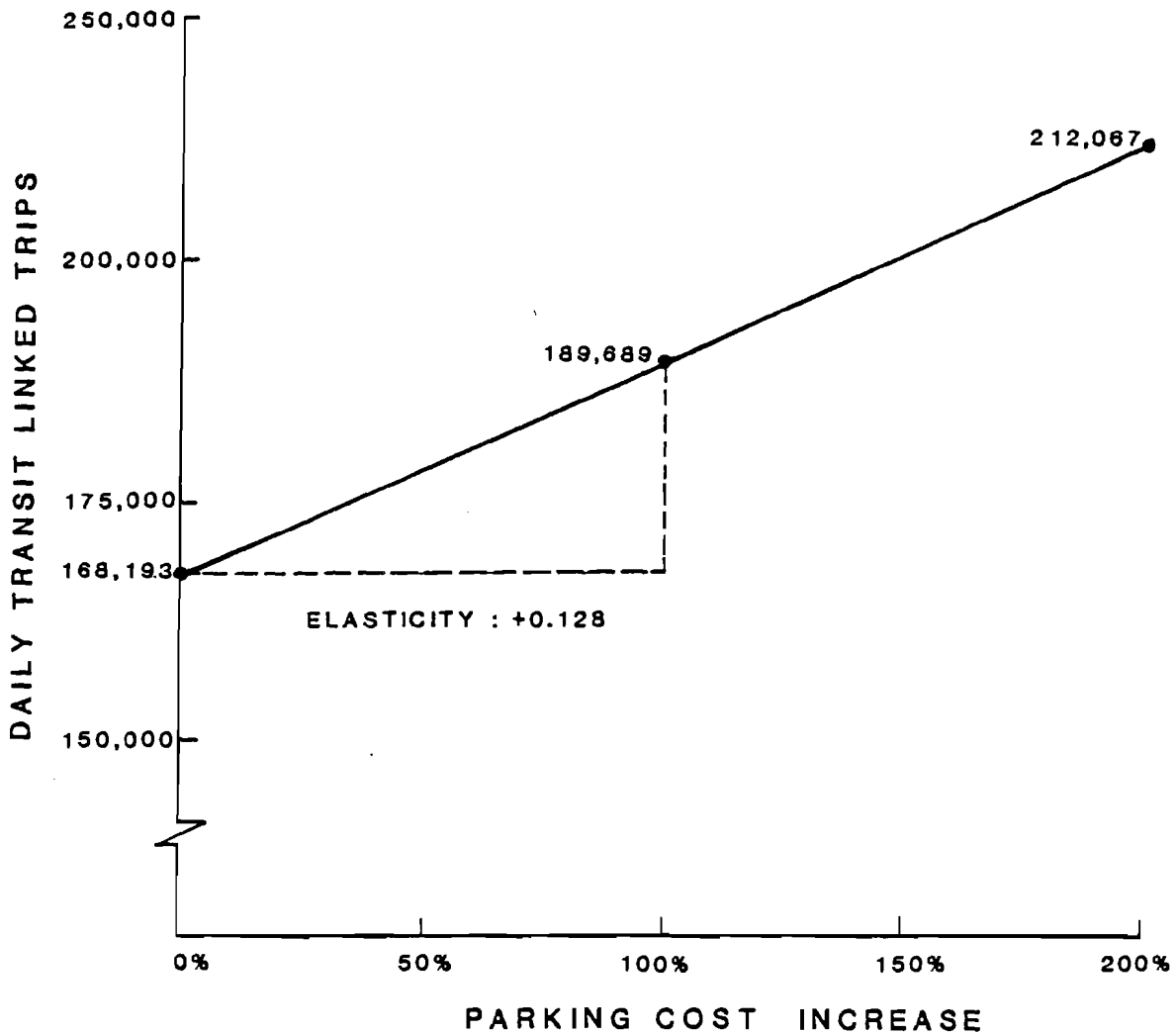


TABLE 2
MODE CHOICE MODEL SENSITIVITY ANALYSIS
TRANSIT HEADWAY

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

	BASE	SEN1	SEN2
MODE 1	1,716,794	1,694,619	1,660,216
MODE 2	2,599,230	2,580,819	2,553,888
MODE 3	1,217,188	1,209,456	1,198,324
MODE 4	130,258	167,329	222,948
MODE 5	16,472	23,915	35,840
MODE 6	429	622	946
MODE 7	15,589	18,323	21,803
MODE 8	815	958	1,142
MODE 9	1,061	1,195	1,363
MODE 10	48	54	62
MODE 11	3,164	3,713	4,413
MODE 12	357	402	460
TOTAL	5,701,405	5,701,405	5,701,405

SEN1 : TRANSIT HEADWAY REDUCED BY 25%
SEN2 : TRANSIT HEADWAY REDUCED BY 50%

MODE 1 : DRIVE ALONE
MODE 2 : 2 PERSON CAR POOL
MODE 3 : 3+ PERSON CAR POOL
MODE 4 : LOCAL BUS
MODE 5 : LINE-HAUL, WALK/LOCAL BUS ACCESS, METRORAIL
MODE 6 : LINE-HAUL, WALK/LOCAL BUS ACCESS, EXPRESS BUS
MODE 7 : LINE-HAUL, P/R ACCESS, METRORAIL, DRIVE ALONE
MODE 8 : LINE-HAUL, P/R ACCESS, METRORAIL, SHARED RIDE
MODE 9 : LINE-HAUL, P/R ACCESS, EXPRESS BUS, DRIVE ALONE
MODE 10 : LINE-HAUL, P/R ACCESS, EXPRESS BUS, SHARED RIDE
MODE 11 : LINE-HAUL, K/R ACCESS, METRORAIL
MODE 12 : LINE-HAUL, K/R ACCESS, EXPRESS BUS

FIGURE 2

MODE CHOICE MODEL SENSITIVITY

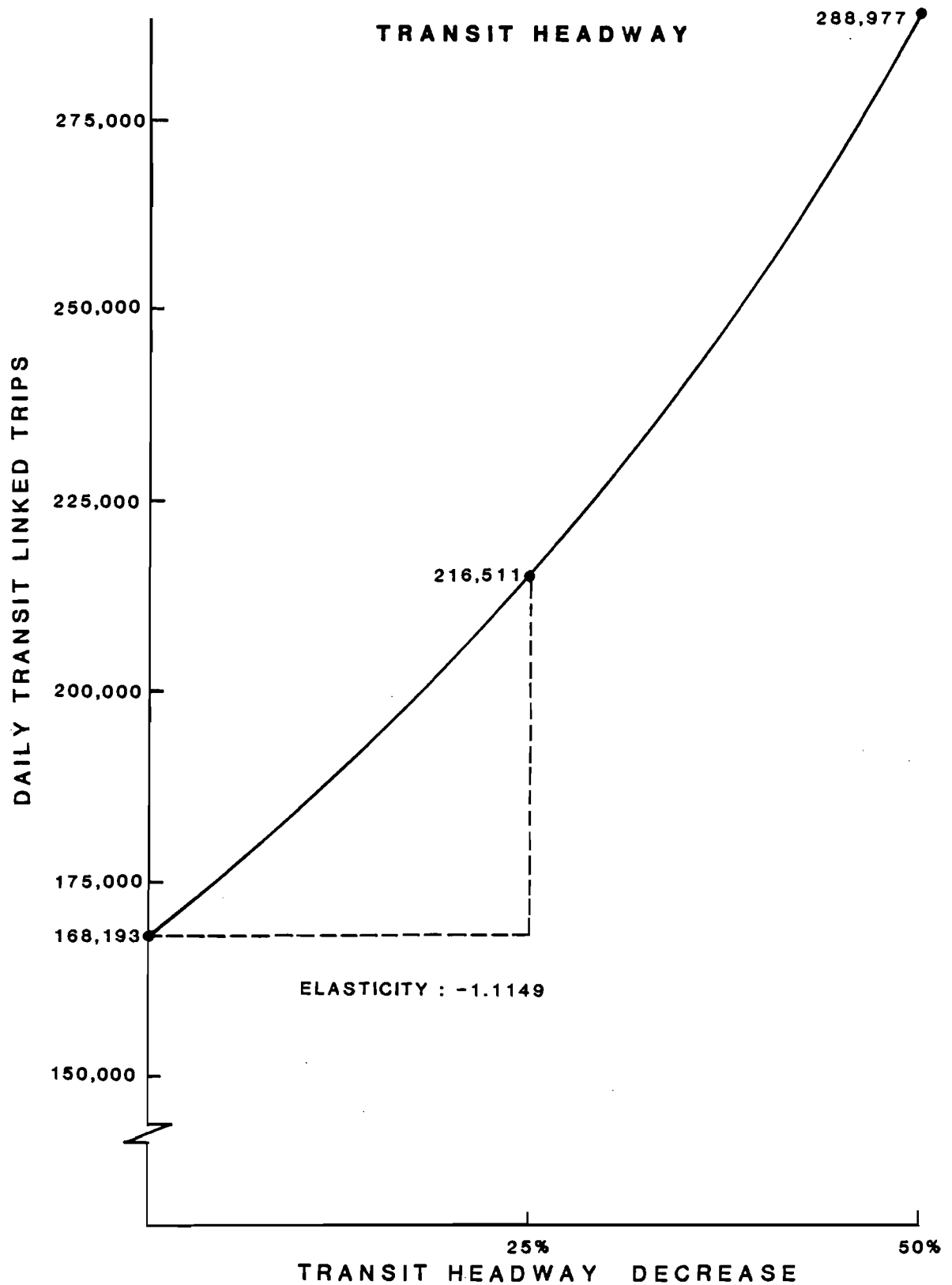


TABLE 3
MODE CHOICE MODEL SENSITIVITY ANALYSIS
STATION PARKING COST

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

	BASE	SEN1	SEN2
MODE 1	1,716,794	1,718,275	1,719,446
MODE 2	2,599,230	2,600,443	2,601,418
MODE 3	1,217,188	1,217,695	1,218,107
MODE 4	130,258	130,450	130,602
MODE 5	16,472	16,573	16,654
MODE 6	429	432	434
MODE 7	15,589	12,386	9,831
MODE 8	815	737	665
MODE 9	1,061	815	625
MODE 10	48	42	37
MODE 11	3,164	3,197	3,224
MODE 12	357	360	362
TOTAL	5,701,405	5,701,405	5,701,405

BASE : STATION PARKING COST = \$0.00
SEN1 : STATION PARKING COST = \$1.00
SEN2 : STATION PARKING COST = \$2.00

MODE 1 : DRIVE ALONE
MODE 2 : 2 PERSON CAR POOL
MODE 3 : 3+ PERSON CAR POOL
MODE 4 : LOCAL BUS
MODE 5 : LINE-HAUL, WALK/LOCAL BUS ACCESS, METRORAIL
MODE 6 : LINE-HAUL, WALK/LOCAL BUS ACCESS, EXPRESS BUS
MODE 7 : LINE-HAUL, P/R ACCESS, METRORAIL, DRIVE ALONE
MODE 8 : LINE-HAUL, P/R ACCESS, METRORAIL, SHARED RIDE
MODE 9 : LINE-HAUL, P/R ACCESS, EXPRESS BUS, DRIVE ALONE
MODE 10 : LINE-HAUL, P/R ACCESS, EXPRESS BUS, SHARED RIDE
MODE 11 : LINE-HAUL, K/R ACCESS, METRORAIL
MODE 12 : LINE-HAUL, K/R ACCESS, EXPRESS BUS

FIGURE 3

MODE CHOICE MODEL SENSITIVITY
METRORAIL STATION PARKING COST

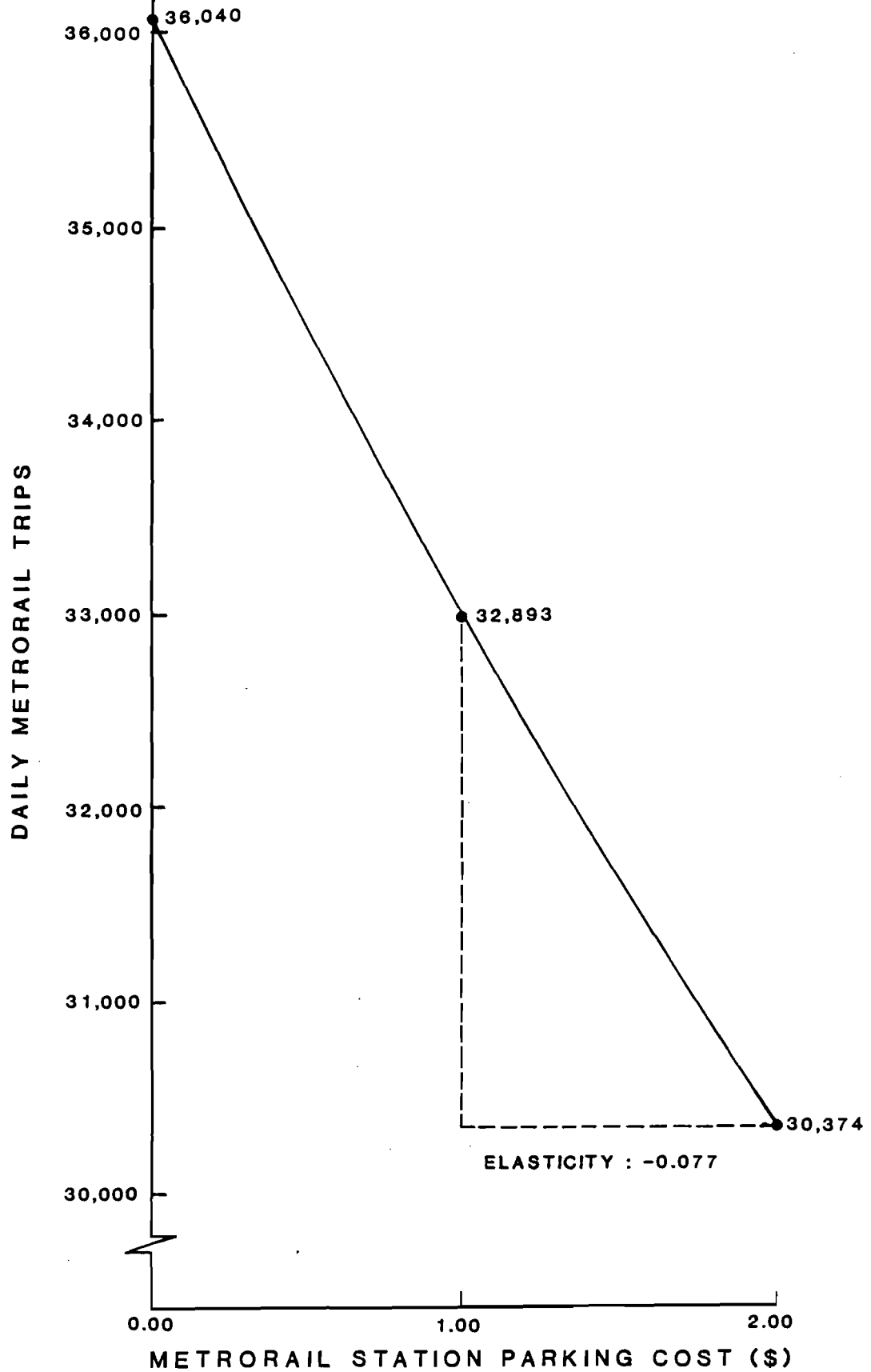


TABLE 4
MODE CHOICE MODEL SENSITIVITY ANALYSIS
AUTO COST

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

	BASE	SEN1	SEN2
MODE 1	1,716,794	1,585,343	1,464,422
MODE 2	2,599,230	2,642,917	2,672,629
MODE 3	1,217,188	1,284,336	1,351,678
MODE 4	130,258	144,697	161,375
MODE 5	16,472	21,347	27,479
MODE 6	429	572	753
MODE 7	15,589	16,705	17,528
MODE 8	815	997	1,194
MODE 9	1,061	1,248	1,412
MODE 10	48	64	82
MODE 11	3,164	2,831	2,524
MODE 12	357	348	329
TOTAL	5,701,405	5,701,405	5,701,405

SEN1 : AUTO COST INCREASED BY 50%
SEN2 : AUTO COST INCREASED BY 100%

MODE 1 : DRIVE ALONE
MODE 2 : 2 PERSON CAR POOL
MODE 3 : 3+ PERSON CAR POOL
MODE 4 : LOCAL BUS
MODE 5 : LINE-HAUL, WALK/LOCAL BUS ACCESS, METRORAIL
MODE 6 : LINE-HAUL, WALK/LOCAL BUS ACCESS, EXPRESS BUS
MODE 7 : LINE-HAUL, P/R ACCESS, METRORAIL, DRIVE ALONE
MODE 8 : LINE-HAUL, P/R ACCESS, METRORAIL, SHARED RIDE
MODE 9 : LINE-HAUL, P/R ACCESS, EXPRESS BUS, DRIVE ALONE
MODE 10 : LINE-HAUL, P/R ACCESS, EXPRESS BUS, SHARED RIDE
MODE 11 : LINE-HAUL, K/R ACCESS, METRORAIL
MODE 12 : LINE-HAUL, K/R ACCESS, EXPRESS BUS

FIGURE 4
MODE CHOICE MODEL SENSITIVITY
AUTO COST

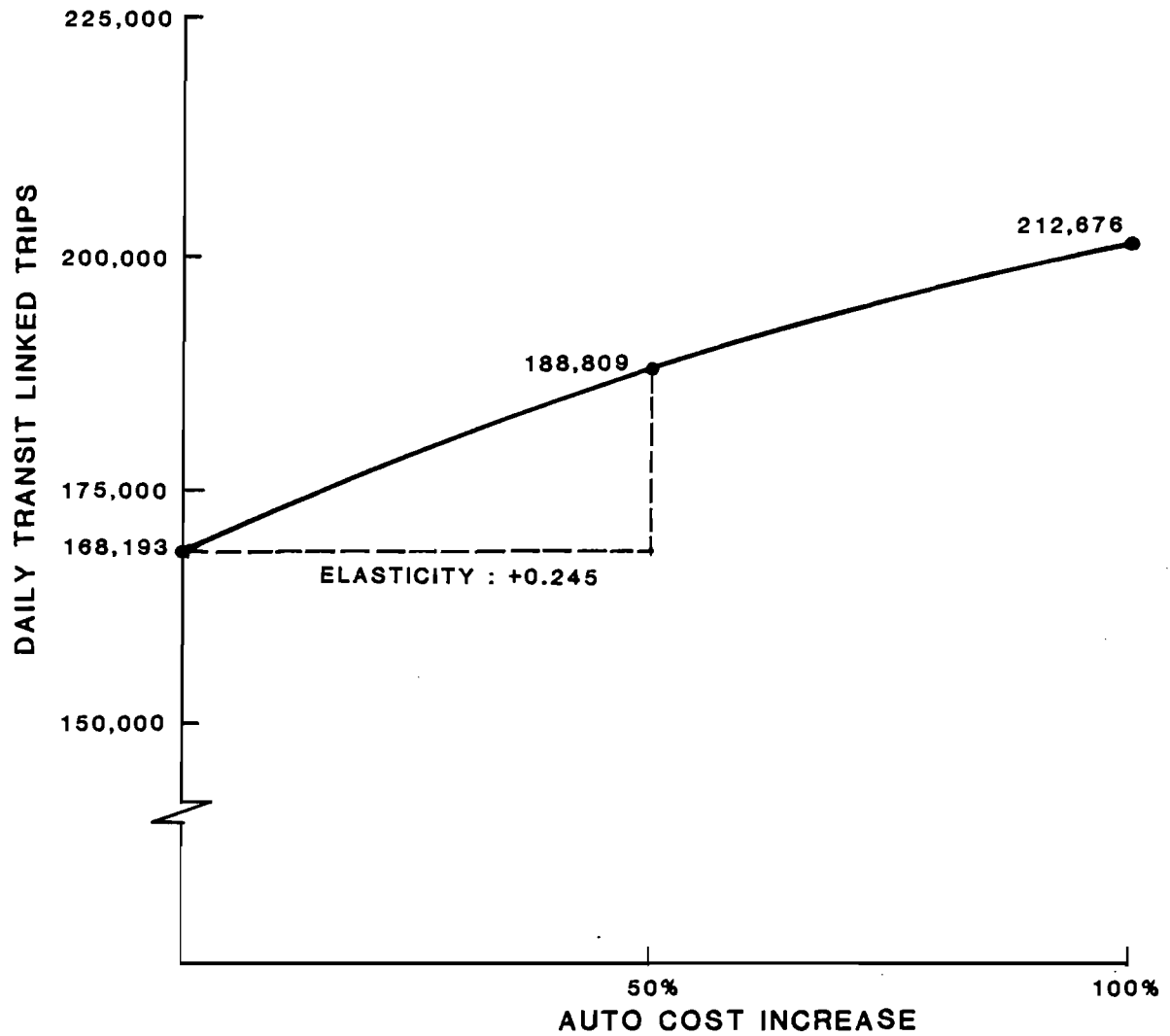


TABLE 5
MODE CHOICE MODEL SENSITIVITY ANALYSIS
TRANSIT FARE

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

	BASE	SEN1	SEN2
MODE 1	1,716,794	1,726,639	1,735,543
MODE 2	2,599,230	2,610,349	2,615,898
MODE 3	1,217,188	1,223,367	1,224,293
MODE 4	130,258	111,065	100,034
MODE 5	16,472	13,276	11,457
MODE 6	429	316	256
MODE 7	15,589	12,179	10,352
MODE 8	815	646	552
MODE 9	1,061	802	662
MODE 10	48	36	30
MODE 11	3,164	2,469	2,105
MODE 12	357	270	223
TOTAL	5,701,405	5,701,405	5,701,405
SEN1 : TRANSIT FARE INCREASED BY 60%			
SEN2 : TRANSIT FARE INCREASED BY 100%			

MODE 1 : DRIVE ALONE
MODE 2 : 2 PERSON CAR POOL
MODE 3 : 3+ PERSON CAR POOL
MODE 4 : LOCAL BUS
MODE 5 : LINE-HAUL, WALK/LOCAL BUS ACCESS, METRORAIL
MODE 6 : LINE-HAUL, WALK/LOCAL BUS ACCESS, EXPRESS BUS
MODE 7 : LINE-HAUL, P/R ACCESS, METRORAIL, DRIVE ALONE
MODE 8 : LINE-HAUL, P/R ACCESS, METRORAIL, SHARED RIDE
MODE 9 : LINE-HAUL, P/R ACCESS, EXPRESS BUS, DRIVE ALONE
MODE 10 : LINE-HAUL, P/R ACCESS, EXPRESS BUS, SHARED RIDE
MODE 11 : LINE-HAUL, K/R ACCESS, METRORAIL
MODE 12 : LINE-HAUL, K/R ACCESS, EXPRESS BUS

FIGURE 5
MODE CHOICE MODEL SENSITIVITY
TRANSIT FARE

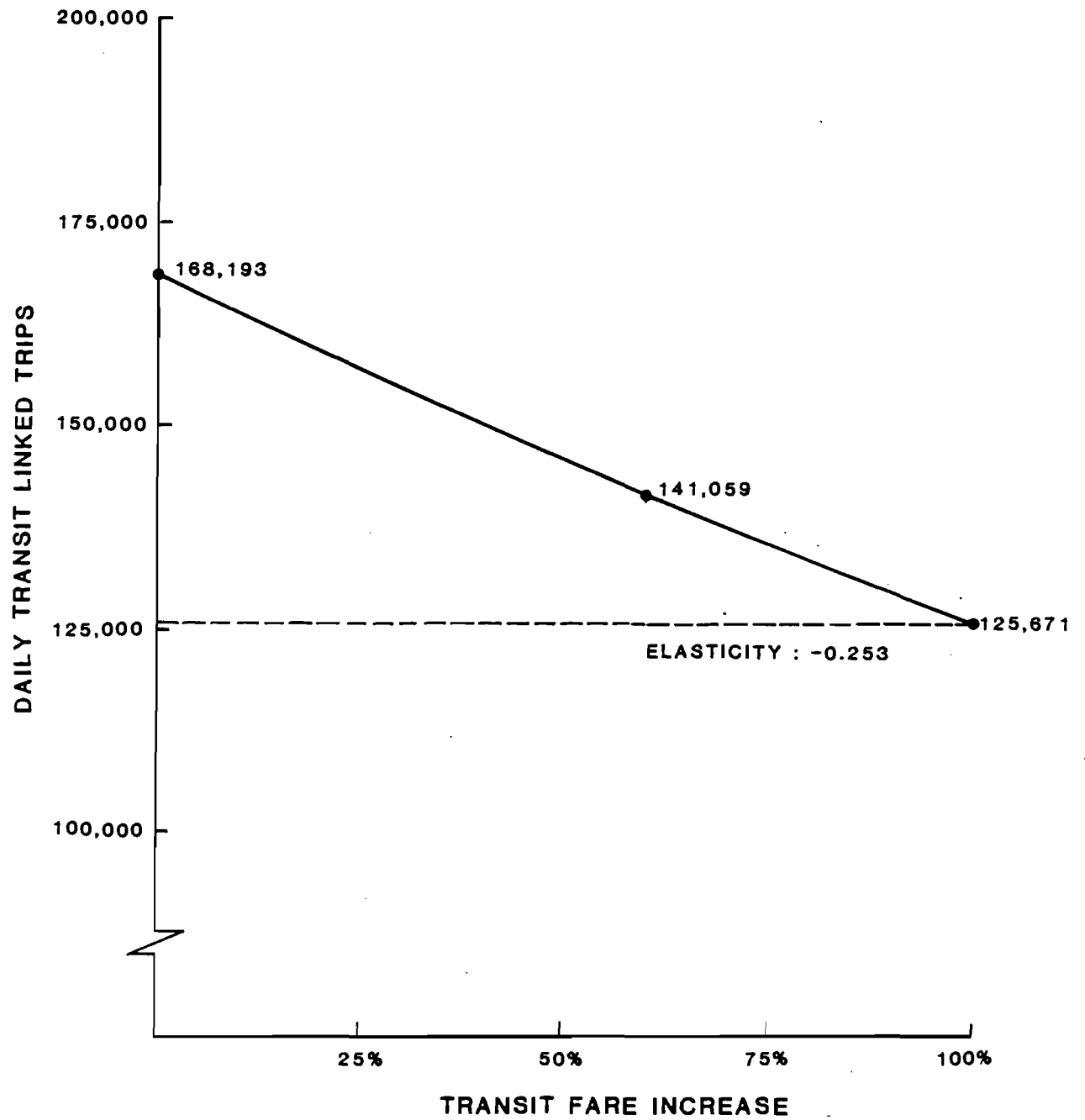


TABLE 6
MODE CHOICE MODEL SENSITIVITY ANALYSIS
TRANSIT IN-VEHICLE TIME

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

	BASE	SEN1	SEN2
MODE 1	1,716,794	1,710,993	1,704,069
MODE 2	2,599,230	2,593,768	2,587,403
MODE 3	1,217,188	1,214,794	1,212,002
MODE 4	130,258	136,675	143,592
MODE 5	16,472	17,968	19,570
MODE 6	429	495	553
MODE 7	15,589	19,398	24,395
MODE 8	815	951	1,110
MODE 9	1,061	1,474	1,895
MODE 10	48	62	75
MODE 11	3,164	4,280	5,964
MODE 12	357	547	777
TOTAL	5,701,405	5,701,405	5,701,405

SEN1 : IN-VEHICLE TIME DECREASED BY 25%

SEN2 : IN-VEHICLE TIME DECREASED BY 50%

MODE 1 : DRIVE ALONE
MODE 2 : 2 PERSON CAR POOL
MODE 3 : 3+ PERSON CAR POOL
MODE 4 : LOCAL BUS
MODE 5 : LINE-HAUL, WALK/LOCAL BUS ACCESS, METRORAIL
MODE 6 : LINE-HAUL, WALK/LOCAL BUS ACCESS, EXPRESS BUS
MODE 7 : LINE-HAUL, P/R ACCESS, METRORAIL, DRIVE ALONE
MODE 8 : LINE-HAUL, P/R ACCESS, METRORAIL, SHARED RIDE
MODE 9 : LINE-HAUL, P/R ACCESS, EXPRESS BUS, DRIVE ALONE
MODE 10 : LINE-HAUL, P/R ACCESS, EXPRESS BUS, SHARED RIDE
MODE 11 : LINE-HAUL, K/R ACCESS, METRORAIL
MODE 12 : LINE-HAUL, K/R ACCESS, EXPRESS BUS

FIGURE 6
MODE CHOICE MODEL SENSIVITY
TRANSIT IN-VEHICLE TIME

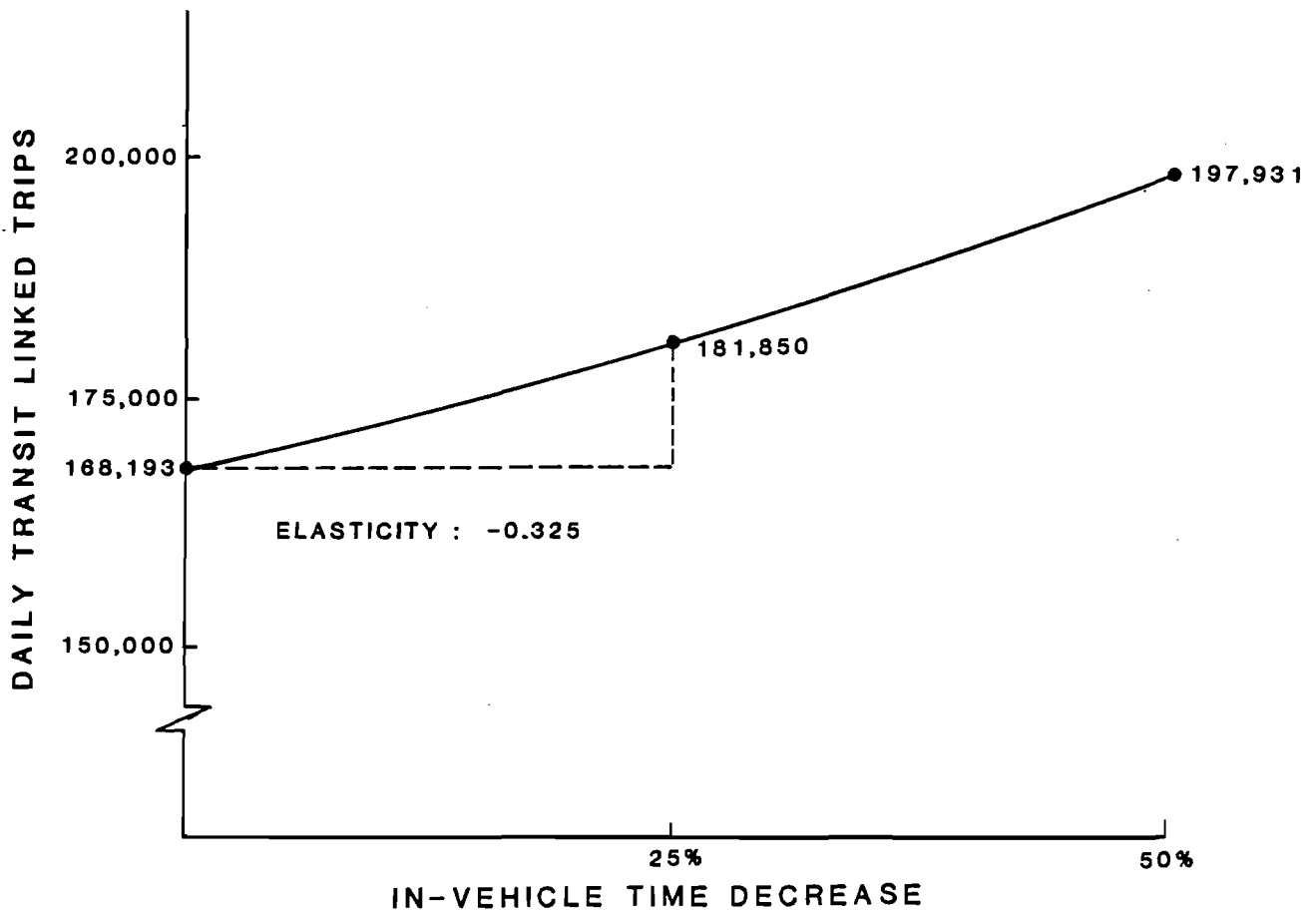


TABLE 7
MODE CHOICE MODEL SENSITIVITY ANALYSIS
TRANSIT WALK ACCESS TIME

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

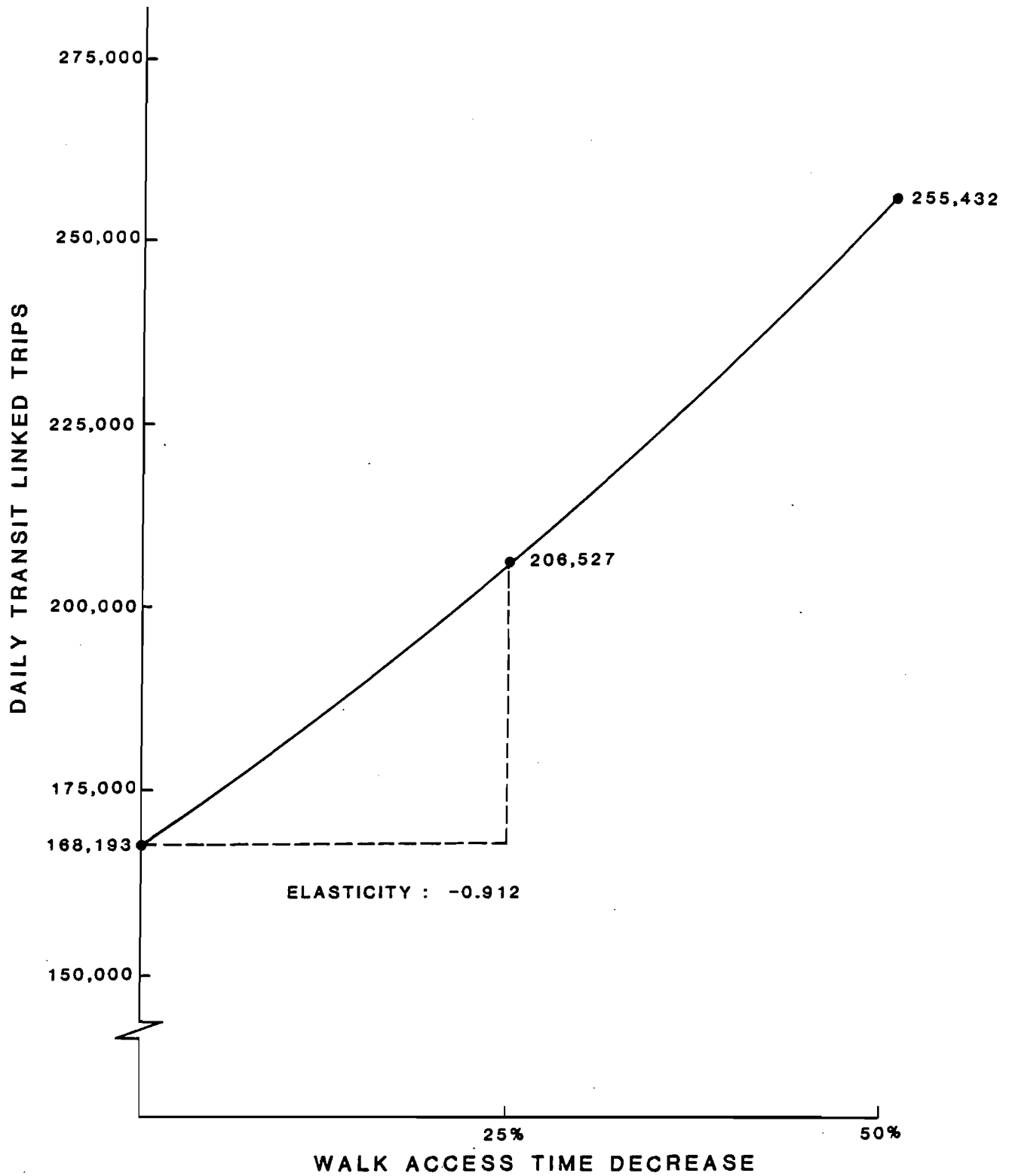
	BASE	SEN1	SEN2
MODE 1	1,716,794	1,702,624	1,684,923
MODE 2	2,599,230	2,582,578	2,561,110
MODE 3	1,217,188	1,209,676	1,199,940
MODE 4	130,258	161,369	201,313
MODE 5	16,472	21,154	27,380
MODE 6	429	545	667
MODE 7	15,589	17,361	19,370
MODE 8	815	913	1,025
MODE 9	1,061	1,204	1,268
MODE 10	48	54	57
MODE 11	3,164	3,521	3,925
MODE 12	357	406	427
TOTAL	5,701,405	5,701,405	5,701,405

SEN1 : WALK ACCESS TIME DECREASED BY 25%

SEN2 : WALK ACCESS TIME DECREASED BY 50%

MODE 1 : DRIVE ALONE
MODE 2 : 2 PERSON CAR POOL
MODE 3 : 3+ PERSON CAR POOL
MODE 4 : LOCAL BUS
MODE 5 : LINE-HAUL, WALK/LOCAL BUS ACCESS, METRORAIL
MODE 6 : LINE-HAUL, WALK/LOCAL BUS ACCESS, EXPRESS BUS
MODE 7 : LINE-HAUL, P/R ACCESS, METRORAIL, DRIVE ALONE
MODE 8 : LINE-HAUL, P/R ACCESS, METRORAIL, SHARED RIDE
MODE 9 : LINE-HAUL, P/R ACCESS, EXPRESS BUS, DRIVE ALONE
MODE 10 : LINE-HAUL, P/R ACCESS, EXPRESS BUS, SHARED RIDE
MODE 11 : LINE-HAUL, K/R ACCESS, METRORAIL
MODE 12 : LINE-HAUL, K/R ACCESS, EXPRESS BUS

FIGURE 7
MODE CHOICE MODEL SENSITIVITY
TRANSIT WALK ACCESS TIME



APPENDIX G
HIGHWAY SCREENLINE SUMMARY

Table 1	Screenline 1
Table 2	Screenline 2
Table 3	Screenline 3
Table 4	Screenline 4
Table 5	Screenline 5
Table 6	Screenline 6
Table 7	Screenline 7
Table 8	Screenline 8
Table 9	Screenline 9
Table 10	Screenline 10
Table 11	Screenline 11
Table 12	Screenline 12
Table 13	Screenline 13

TABLE 1
HIGHWAY SCREENLINE SUMMARY
SCREENLINE 1

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

ANODE	BNODE	TOTAL VOLUME	TOTAL COUNT	VOLUME OVER COUNT RATIO	F T	A T
1653	1654	32482.	0.	0.00	2	4
2006	2007	5295.	6004.	0.88	3	3
2008	2009	44878.	35839.	1.25	2	3
2052	2053	14886.	0.	0.00	2	3
2068	2070	23512.	0.	0.00	3	3
2083	2186	127768.	0.	0.00	1	3
2086	2087	14455.	12756.	1.13	4	3
2109	2112	27040.	0.	0.00	1	5
2112	2113	19800.	0.	0.00	1	5
2122	2123	18876.	19222.	0.98	3	3
2126	2127	13004.	13744.	0.95	4	5
2132	2133	16925.	18176.	0.93	3	3
2173	2174	55521.	51854.	1.07	2	4
2199	2200	19044.	0.	0.00	3	3
2202	2204	30809.	0.	0.00	2	4
TOTALS		168954.	157595.	1.07		

TABLE 2
HIGHWAY SCREENLINE SUMMARY
SCREENLINE 2

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

ANODE	BNODE	TOTAL VOLUME	TOTAL COUNT	VOLUME OVER COUNT RATIO	F T	A T
2106	2583	63.	0.	0.00	3	5
4832	4833	3486.	4582.	0.76	2	5
5538	5539	2308.	4154.	0.56	2	5
5862	5863	2326.	4700.	0.49	3	5
5918	5919	1467.	0.	0.00	3	5
5976	5977	1105.	2854.	0.39	3	5
6027	6028	1347.	2738.	0.49	3	5
6077	6078	468.	0.	0.00	3	5
6118	6119	1957.	3464.	0.56	3	5
6157	6159	2955.	4212.	0.70	3	5
6203	6213	1928.	4080.	0.47	4	5
6208	6258	10522.	13688.	0.77	2	4
6209	6211	22610.	19000.	1.19	2	4
6293	6298	1115.	0.	0.00	3	5
TOTALS		50544.	63472.	0.80		

TABLE 3
HIGHWAY SCREENLINE SUMMARY
SCREENLINE 3

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

ANODE	BNODE	TOTAL VOLUME	TOTAL COUNT	VOLUME OVER COUNT RATIO	F T	A T
1643	1644	30963.	0.	0.00	2	3
2413	2534	35872.	29502.	1.22	2	3
2424	2553	152674.	168044.	0.91	1	3
2439	2560	10623.	6902.	1.54	3	3
2466	2467	32208.	20080.	1.60	1	5
2471	2586	6445.	0.	0.00	2	5
2484	2599	3352.	0.	0.00	4	5
2488	2608	115692.	113593.	1.02	1	4
2503	2504	37083.	0.	0.00	2	4
2529	2530	70157.	0.	0.00	2	3
2538	2540	3822.	0.	0.00	4	3
2549	2550	29070.	0.	0.00	2	4
2557	2558	4958.	0.	0.00	4	3
2561	2562	7872.	0.	0.00	4	3
2564	2565	28100.	0.	0.00	2	3
2567	2568	9428.	3040.	3.10	4	3
2568	2570	39056.	20254.	1.93	2	3
2570	2571	11567.	0.	0.00	4	3
2576	2577	13343.	0.	0.00	4	3
2578	2579	34449.	0.	0.00	2	3
2587	2588	1085.	0.	0.00	4	3
TOTALS		395553.	361415.	1.09		

TABLE 4
HIGHWAY SCREENLINE SUMMARY
SCREENLINE 4

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

ANODE	BNODE	TOTAL VOLUME	TOTAL COUNT	VOLUME OVER COUNT RATIO	F T	A T
1875	4427	118925.	173000.	0.69	1	4
2046	2047	0.	14522.	0.00	4	3
2119	2121	3990.	7672.	0.52	2	3
2229	2232	6047.	9692.	0.62	4	3
2236	2237	85234.	0.	0.00	1	3
2244	2246	90120.	81672.	1.10	1	4
2374	2376	4700.	0.	0.00	4	3
2376	2378	4329.	7126.	0.61	4	4
2376	2379	370.	11174.	0.03	4	3
2379	2493	21936.	25192.	0.87	2	3
2491	2494	10129.	26600.	0.38	3	3
2609	2611	16885.	31322.	0.54	3	4
2732	2734	49186.	52850.	0.93	2	4
2736	2824	13556.	0.	0.00	4	4
2926	2937	15413.	4578.	3.37	3	4
2929	2938	34862.	19434.	1.79	2	4
4137	4142	48893.	54333.	0.90	2	4
4273	4281	15000.	19098.	0.79	4	4
4277	4283	11810.	10910.	1.08	4	4
4421	4424	9477.	0.	0.00	4	4
4422	4426	11165.	18621.	0.60	3	4
5104	5106	36281.	43448.	0.84	2	4
5250	5255	47477.	60500.	0.78	2	4
5404	5406	23430.	19160.	1.22	2	3
5591	5606	23676.	0.	0.00	1	3
5601	5608	26929.	30600.	0.88	2	4
5606	5610	8867.	23526.	0.38	1	4
TOTALS		602044.	745030.	0.81		

TABLE 5
HIGHWAY SCREENLINE SUMMARY
SCREENLINE 5

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

ANODE	BNODE	TOTAL VOLUME	TOTAL COUNT	VOLUME OVER COUNT RATIO	F T	A T
1602	1604	40779.	0.	0.00	3	4
1603	1606	16667.	0.	0.00	3	4
2468	2705	32208.	9793.	3.29	1	5
2914	3077	1392.	0.	0.00	4	4
2919	3091	151317.	135810.	1.11	1	4
2929	3093	33783.	23852.	1.42	2	4
2938	2948	32220.	23517.	1.37	3	4
2939	2942	20981.	0.	0.00	3	3
2940	3097	4461.	0.	0.00	4	3
2946	2947	12549.	10928.	1.15	4	4
2956	2957	29231.	0.	0.00	2	4
2963	2964	11863.	10771.	1.10	3	4
2967	2966	8978.	16733.	0.54	3	3
2971	2972	26460.	0.	0.00	3	4
2971	2978	17111.	0.	0.00	2	3
2977	2978	38212.	39586.	0.97	3	3
2989	2990	30012.	18758.	1.60	2	4
2997	2998	34334.	28191.	1.22	2	4
3006	3007	33727.	36330.	0.93	2	3
3012	3013	25843.	29410.	0.88	3	3
3019	3020	23498.	0.	0.00	2	3
3028	3029	29084.	0.	0.00	2	4
3031	4086	192706.	199998.	0.96	1	3
3039	3040	10845.	9922.	1.09	4	4
3046	3047	35293.	21702.	1.63	2	4
3053	3054	34425.	16382.	2.10	3	3
3064	3066	33474.	39112.	0.86	2	3
TOTALS		751789.	670795.	1.12		

TABLE 6
HIGHWAY SCREENLINE SUMMARY
SCREENLINE 6

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

ANODE	BNODE	TOTAL VOLUME	TOTAL COUNT	VOLUME OVER COUNT RATIO	F T	A T
1911	4302	23460.	0.	0.00	3	4
1916	4168	20996.	10595.	1.98	3	4
1916	4299	38199.	20202.	1.89	2	4
2000	2008	31510.	0.	0.00	1	3
2004	2006	114.	0.	0.00	4	3
2053	2054	17101.	0.	0.00	2	3
2137	2140	13752.	0.	0.00	2	3
2262	2266	90504.	101311.	0.89	1	3
2264	2268	2995.	0.	0.00	3	3
2267	2263	3097.	0.	0.00	3	3
2391	2393	31.	0.	0.00	4	4
2511	2512	14260.	12430.	1.15	4	4
2511	2514	12784.	0.	0.00	4	4
2512	2518	35521.	14718.	2.41	2	4
2762	2763	45084.	48038.	0.94	2	4
2981	2983	38355.	17075.	2.25	2	4
2982	2984	13051.	0.	0.00	4	4
4039	4041	30798.	16308.	1.89	3	4
4040	4042	31953.	0.	0.00	3	4
4167	4170	15086.	10170.	1.48	3	3
4171	4183	85648.	88378.	0.97	1	4
4292	4297	37900.	17037.	2.22	2	4
4444	4446	123761.	143271.	0.86	1	4
4630	4634	30424.	0.	0.00	3	3
4633	4641	33363.	36792.	0.91	2	4
4886	4887	35345.	47850.	0.74	3	4
5534	5537	19754.	16008.	1.23	3	3
TOTALS		664574.	600183.	1.11		

TABLE 7
HIGHWAY SCREENLINE SUMMARY
SCREENLINE 7.

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL COUNT	VOLUME OVER COUNT RATIO	F T	A T
7	1846	4133	162395.	171268.	0.95	1	4
7	3982	4403	67474.	62820.	1.07	1	5
7	4116	4403	32208.	0.	0.00	1	5
7	4226	4499	204979.	178156.	1.15	1	3
7	4256	4257	16071.	17690.	0.91	2	4
7	4262	4412	747.	0.	0.00	4	5
7	4267	4414	34302.	16876.	2.03	2	4
7	4274	4276	31083.	31312.	0.99	2	4
7	4288	4433	31640.	0.	0.00	3	4
7	4310	4451	13352.	0.	0.00	4	3
7	4311	4453	19463.	0.	0.00	3	3
7	4319	4453	64258.	40671.	1.58	2	4
7	4374	4490	30571.	0.	0.00	3	4
7	4383	4517	15598.	0.	0.00	3	3
7	4384	4523	10727.	0.	0.00	4	3
7	4391	4531	19066.	16190.	1.18	3	4
7	4394	4552	36591.	0.	0.00	3	4
7	4399	4564	34393.	0.	0.00	2	4
7	4438	4439	8373.	0.	0.00	4	4
7	4441	4442	52277.	78368.	0.67	2	4
7	4448	4449	37552.	0.	0.00	3	3
7	4459	4460	48088.	40598.	1.18	3	4
7	4459	4463	14560.	0.	0.00	4	3
7	4464	4466	21140.	0.	0.00	3	4
7	4471	4472	20067.	0.	0.00	4	3
7	4477	4478	44745.	23400.	1.91	2	4
7	4483	4484	16618.	0.	0.00	4	4
7	TOTALS		744738.	677349.	1.10		

TABLE 8
HIGHWAY SCREENLINE SUMMARY
SCREENLINE 8

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

ANODE	BNODE	TOTAL VOLUME	TOTAL COUNT	VOLUME OVER COUNT RATIO	F T	A T
1671	2303	53782.	59780.	0.90	1	3
2009	2013	16821.	27046.	0.62	4	3
2015	2017	15282.	15582.	0.98	1	4
2157	2159	27984.	0.	0.00	2	3
2160	2164	34384.	38346.	0.90	2	3
2304	1672	55052.	59780.	0.92	1	3
2412	2417	37069.	0.	0.00	2	3
2417	2420	37069.	21020.	1.76	2	3
TOTALS		212390.	221554.	0.96		

TABLE 9
HIGHWAY SCREENLINE SUMMARY
SCREENLINE 9

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL COUNT	VOLUME OVER COUNT RATIO	F T	A T
9	3994	5472	38134.	47750.	0.80	1	5
9	5458	5544	0.	0.	0.00	4	5
9	5459	5545	7917.	0.	0.00	4	3
9	5462	5549	1295.	0.	0.00	2	3
9	5463	5550	405.	0.	0.00	4	3
9	5466	5554	13043.	0.	0.00	2	3
9	5470	5480	2238.	0.	0.00	4	5
9	5474	5572	12172.	0.	0.00	3	4
9	5481	5577	23489.	0.	0.00	2	3
9	5487	5587	78648.	0.	0.00	1	3
9	5494	5599	69762.	61314.	1.14	1	3
9	5536	5628	23771.	19598.	1.21	3	3
9	5538	5629	1786.	6122.	0.29	3	5
9	5563	5564	2505.	0.	0.00	3	3
9	5588	5591	31335.	0.	0.00	1	3
9	5592	5593	20134.	23233.	0.87	2	3
9	5606	5607	9225.	17360.	0.53	4	3
9	5610	5614	46548.	38348.	1.21	2	4
9	5614	5616	20059.	13182.	1.52	3	4
9	5619	5620	17637.	0.	0.00	3	3
9	TOTALS		229419.	226907.	1.01		

TABLE 10
HIGHWAY SCREENLINE SUMMARY
SCREENLINE 10

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

ANODE	BNODE	TOTAL VOLUME	TOTAL COUNT	VOLUME OVER COUNT RATIO	F T	A T
1776	2180	133898.	123365.	1.09	1	3
2019	2020	18218.	25020.	0.73	4	3
2069	2070	43140.	0.	0.00	2	3
2073	2076	28711.	33704.	0.85	2	3
2179	2182	38929.	37496.	1.04	2	4
2309	2311	38362.	0.	0.00	2	4
2437	2561	5353.	0.	0.00	4	3
2560	2562	33949.	45290.	0.75	2	3
2679	2684	21184.	0.	0.00	3	3
2681	2683	10365.	0.	0.00	3	3
2687	2797	34343.	16234.	2.12	3	3
2804	2806	33467.	18800.	1.78	3	3
2812	2902	40169.	0.	0.00	2	3
TOTALS		321515.	299909.	1.07		

TABLE 11
HIGHWAY SCREENLINE SUMMARY
SCREENLINE 11

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

ANODE	BNODE	TOTAL VOLUME	TOTAL COUNT	VOLUME OVER COUNT RATIO	F T	A T
5737	5783	1607.	7028.	0.23	3	5
5743	5744	10803.	15296.	0.71	3	4
5744	5793	9311.	11196.	0.83	3	5
5751	5799	88750.	84000.	1.06	1	5
5753	5801	9478.	14422.	0.66	3	3
5812	5813	22399.	24120.	0.93	2	3
5813	5814	57724.	64598.	0.89	2	4
5813	5851	52684.	59786.	0.88	2	3
5856	5857	5489.	13690.	0.40	3	3
5906	5907	13975.	14724.	0.95	3	5
TOTALS		272220.	308860.	0.88		

TABLE 12
HIGHWAY SCREENLINE SUMMARY
SCREENLINE 12

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

ANODE	BNODE	TOTAL VOLUME	TOTAL COUNT	VOLUME OVER COUNT RATIO	F T	A T
1501	4831	27005.	0.	0.00	3	4
1503	4580	53522.	38999.	1.37	2	3
1543	3973	23834.	0.	0.00	3	3
1617	1618	10525.	14298.	0.74	3	3
1618	1616	12021.	15133.	0.79	3	3
1636	3974	23716.	22260.	1.07	3	3
1648	2358	33106.	0.	0.00	3	3
1656	2207	43403.	16961.	2.56	1	3
2714	3974	23716.	22260.	1.07	3	3
3973	4579	23834.	0.	0.00	3	3
4248	4250	47931.	59709.	0.80	1	3
4249	4250	38527.	9640.	4.00	3	3
5337	5338	17170.	15490.	1.11	2	3
TOTALS		270531.	214750.	1.26		

TABLE 13
HIGHWAY SCREENLINE SUMMARY
SCREENLINE 13

MIAMI TRANSPORTATION PLANNING MODEL
GANNETT FLEMING

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL COUNT	VOLUME OVER COUNT RATIO	F T	A T
13	3995	6007	27587.	23100.	1.19	1	5
13	5871	5873	7146.	10254.	0.70	3	5
13	5929	5933	5041.	11050.	0.46	3	5
13	5933	5988	716.	6016.	0.12	4	5
13	5992	5996	35986.	0.	0.00	2	3
13	5998	5999	38315.	42250.	0.91	2	4
13	6000	6003	19073.	14888.	1.28	2	4
13	6001	6003	23927.	20946.	1.14	3	3
13	6010	6059	0.	8308.	0.00	4	3
13	TOTALS		121805.	136812.	0.89		

APPENDIX H
TRANSIT SCREENLINE SUMMARY

Table 1	Screenline 1
Table 2	Screenline 2
Table 3	Screenline 3
Table 4	Screenline 4
Table 5	Screenline 5
Table 6	Screenline 6
Table 7	Screenline 7
Table 8	Screenline 8

TABLE 1

METROBUS SCREENLINE VOLUME
SCREENLINE A : CBD CORDON

YEAR 1986 VALIDATION
GANNETT FLEMING, 06-02-1989

STOP A NODE	STOP B NODE	HBW TRIPS	HBNW & NHB TRIPS	TOTAL
1503	4567	138	229	367
1503	4568	2564	1968	4532
1721	4738	1564	-	1564
1721	4478	58	-	58
4378	4511	1435	1855	3290
4391	4531	219	698	917
4394	4552	1680	1875	3555
4399	4564	5957	3826	9783
4490	4496	386	1068	1454
4566	4578	182	311	493
4679	4689	302	637	939
4684	4686	997	2225	3222
4939	4972	5130	3414	8544
4941	4946	2113	2733	4846
5190	5192	1862	2427	4289
5341	5347	1029	1134	2163
TOTAL	ESTIMATED	25,616	24,400	50,016
	OBSERVED	-	-	46,148

TABLE 2

METROBUS SCREENLINE VOLUME
 SCREENLINE B : N-S ALONG BISCAYNE BAY

YEAR 1986 VALIDATION
 GANNETT FLEMING, 06-02-1989

STOP A NODE	STOP B NODE	HBW TRIPS	HBNW & NHB TRIPS	TOTAL
1504	1506	3055	3429	6484
1542	1558	2100	2714	4814
1543	1544	101	211	312
1574	4249	1695	1561	3256
1608	1609	1495	1271	2766
1636	2714	353	359	712
1648	2358	308	862	1170
1656	2207	216	970	1186
4248	1572	38	-	38
5338	5348	333	198	531
TOTAL	ESTIMATED	9694	11,575	21,269
	OBSERVED	-	-	25,133

TABLE 3

METROBUS SCREENLINE VOLUME
 SCREENLINE C : N-S AT 37TH AVENUE

YEAR 1986 VALIDATION
 GANNETT FLEMING, 06-02-1989

STOP A NODE	STOP B NODE	HBW TRIPS	HBNW & NHB TRIPS	TOTAL
1721	1897	31	-	31
2137	2140	212	432	644
2390	2392	412	387	799
2512	2518	37	114	151
2762	2763	192	811	1003
2981	2983	146	357	503
4039	4041	233	404	637
4040	4042	181	223	404
4168	4172	1823	3233	5056
4638	4643	226	609	835
4641	4642	2536	2095	4631
4892	4893	930	1411	2341
5446	5449	220	764	984
TOTAL	ESTIMATED	7179	10,840	18,019
	OBSERVED	-	-	18,253

TABLE 4

METROBUS SCREENLINE VOLUME
SCREENLINE D : N-S AT 87TH AVENUEYEAR 1986 VALIDATION
GANNETT FLEMING, 06-02-1989

STOP A NODE	STOP B NODE	HBW TRIPS	HBNW & NHB TRIPS	TOTAL
4588	4589	343	462	805
5087	5088	129	277	406
5237	5238	452	523	975
5391	5392	49	154	203
5486	5489	350	480	830
5589	5590	1545	820	2365
5814	5816	2106	1189	3295
5821	5824	30	157	187
TOTAL	ESTIMATED	5004	4062	9066
	OBSERVED	-	-	6965

TABLE 5

METROBUS SCREENLINE VOLUME
SCREENLINE E : E-W AT SW 144TH STREETYEAR 1986 VALIDATION
GANNETT FLEMING, 06-02-1989

STOP A NODE	STOP B NODE	HBW TRIPS	HBNW & NHB TRIPS	TOTAL
5697	5698	12	86	98
5814	5816	2106	1189	3295
5821	5824	30	157	187
TOTAL	ESTIMATED	2148	1432	3580
	OBSERVED	-	-	3051

TABLE 6

METROBUS SCREENLINE VOLUME
 SCREENLINE F : E-W AT SW 48TH STREET

YEAR 1986 VALIDATION
 GANNETT FLEMING, 06-02-1989

STOP A NODE	STOP B NODE	HBW TRIPS	HBNW & NHB TRIPS	TOTAL
5394	5396	84	307	391
5409	5410	83	275	358
5417	5418	80	175	255
5423	5424	180	656	836
5431	5432	93	464	557
5442	5443	498	598	1096
5609	4134	117	-	117
TOTAL	ESTIMATED	1135	2475	3610
	OBSERVED	-	-	2175

TABLE 7

METROBUS SCREENLINE VOLUME
 SCREENLINE G : E-W AT N 54TH STREET

YEAR 1986 VALIDATION
 GANNETT FLEMING, 06-02-1989

STOP A NODE	STOP B NODE	HBW TRIPS	HBNW & NHB TRIPS	TOTAL
1721	1897	31	-	31
1721	4478	58	-	58
1721	4738	1564	-	1564
1602	1604	9	21	30
1603	1606	2591	2631	5222
4048	4173	724	417	1141
4054	4180	1017	1438	2455
4061	4189	220	513	733
4068	4199	660	619	1279
4077	4210	262	417	679
4084	4220	1076	1548	2624
4093	4229	965	1150	2115
4104	4241	1207	1257	2464
4162	4163	271	598	869
4244	4246	4974	2430	7404
TOTAL	ESTIMATED	15,629	13,039	28,668
	OBSERVED	-	-	35,825

