TRAGIS Routing Engine Version 1.4.15 -- Highway Data Network 3.0

FROM: BRAIDWOOD NP IL Leaving : 06/01/04 02:25
TO : YUCCA MOUNTAIN NV Arriving: 06/02/04 08:10

| Miles | Hwy Sign | | City | Dir | Junction | State | Dist | Time | Date | Hour |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | | | BRAIDWOOD NP | | | IL | 0.0 | 0:00 | 06/01/04 | 02:25 |
| 1.9 | S53 | | BRAIDWOOD | | S113S53 | IL | 1.9 | 0:02 | 06/01/04 | 02:27 |
| 2.7 | S113 | | COAL CITY | E | I55 X236 | IL | 4.6 | 0:07 | 06/01/04 | 02:32 |
| 14.7 | I55 | | JOLIET | SW | I55 I80 | IL | 19.3 | 0:23 | 06/01/04 | 02:48 |
| 115.4 | I80 | | GREEN ROCK | SE | I74 I80 | IL | 134.7 | 2:29 | 06/01/04 | 04:54 |
| 9.3 | I74 | | MLI AIRPORT | | I280I74 | IL | 144.0 | 2:39 | 06/01/04 | 05:04 |
| 6.8 | I280 | | ROCK ISLAND | SW | I280X11 | IL | 150.8 | 2:46 | 06/01/04 | 05:11 |
| 1.4 | I280 | | crossing state border IA/IL | | | | 152.2 | 2:48 | 06/01/04 | 05:13 |
| 9.6 | I280 | | DAVENPORT | NW | I280I80 | IA | 161.8 | 2:58 | 06/01/04 | 05:23 |
| | | | Rest 30 minutes | | | | | | | |
| 151.5 | I80 | | DES MOINES | N | I235I35 | IA | 313.3 | 5:48 | 06/01/04 | 08:13 |
| 14.2 | I35 | I80 | DES MOINES | W | I235I35 | IA | 327.5 | 6:02 | 06/01/04 | 08:27 |
| 95.7 | I80 | | MINDEN | NW | I680I80 | IA | 423.2 | 7:31 | 06/01/04 | 09:56 |
| 16.5 | I680 | | LOVELAND | SW | I29 I680 | IA | 439.6 | 7:46 | 06/01/04 | 10:11 |
| 9.7 | I29 | I680 | CRESCENT | W | I29 I680 | IA | 449.4 | 7:55 | 06/01/04 | 10:20 |
| 3.0 | I680 | | crossing state border IA/NE | | | | 452.4 | 7:58 | 06/01/04 | 10:23 |
| 13.4 | I680 | | OMAHA | SW | I680I80 | NE | 465.8 | 8:12 | 06/01/04 | 10:37 |
| | | | Rest 30 minutes | | | | | | | |
| | | | Rest 30 minutes | | | | | | | |
| 422.7 | I80 | | KIMBALL | S | I80 X20 | NE | 888.5 | 14:52 | 06/01/04 | 16:17 |
| 20.6 | I80 | | crossing state border NE/WY | | | | 909.0 | 15:08 | 06/01/04 | 16:33 |
| | | | Rest 30 minutes | | | | | | | |
| 382.4 | I80 | | EVANSTON | NE | I80 X18 | WY | 1291.4 | 20:44 | 06/01/04 | 22:09 |
| 18.2 | I80 | | crossing state border UT/WY | | | | 1309.6 | 20:59 | 06/01/04 | 22:24 |
| | | | Rest 30 minutes | | | | | | | |
| 68.4 | I80 | | HOLLADAY | N | I215I80 | UT | 1377.9 | 22:23 | 06/01/04 | 23:48 |
| 10.2 | I215 | | MIDVALE | | I15 I215 | UT | 1388.2 | 22:33 | 06/01/04 | 23:58 |
| | | | Rest 30 minutes | | | | | | | |
| 294.2 | I15 | | SGU AIRPORT | | I15 X6 | UT | 1682.4 | 27:02 | 06/02/04 | 04:27 |
| 6.4 | I15 | | crossing state border AZ/UT | | | | 1688.8 | 27:07 | 06/02/04 | 04:32 |
| 20.6 | I15 | | LITTLEFIELD | | I15 X8 | AZ | 1709.4 | 27:23 | 06/02/04 | |

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03:48
    8.6  I15          crossing state border AZ/NV          1718.0 27:30 06/02/04
03:55
   73.6  I15          N LAS VEGAS    NE   I15 S215    NV   1791.6 28:30 06/02/04
04:55
   14.8  S215         LAS VEGAS      NW   U95 S215    NV   1806.4 29:14 06/02/04
05:39
                      Rest  30 minutes
   46.1  U95          MERCURY        S    U95 LOCL    NV   1852.5 30:30 06/02/04
06:55
   33.1  LOCAL        YUCCA MOUNTAIN                   NV   1885.5 31:45 06/02/04
08:10

Total elapsed time:      31:45
Total trip mileage:       1885.5      Impedance:      4479.9

Routing parameters used to calculate the route-

  Routing type: HRCQ Preferred Route with 2 driver(s)
    Preferred roads     Time bias: 1.00  Mile bias: 0.00, Toll bias: 1.00
    Nonpreferred roads  Time bias: 0.00  Mile bias: 1.00, Toll bias: 1.00, Penalty
factor: 30.0

  Constraints used on route:
    Prohibit use of links prohibiting truck use
    Prohibit use of ferry crossing


Links Blocked:
   H 321200227  1    N LAS VEGAS    N    I15 X48 , NV   N LAS VEGAS    NE   I15
S215, NV
   H 321200227 -1    N LAS VEGAS    NE   I15 S215, NV   N LAS VEGAS    N    I15 X48
, NV
   H 321200245  1    LAS VEGAS      S    I15 I215, NV   PARADISE       SW   I15 X37
, NV
   H 321200245 -1    PARADISE       SW   I15 X37 , NV   LAS VEGAS      S    I15
I215, NV

State Mileage:
AZ:    29.2   IA:   300.2   IL:   152.2   NE:   456.6   NV:   167.5   UT:   379.2
WY:   400.5

Mileage by Sign Type:
1-INTERSTATE:  1787.0           2-US:    46.1        3-STATE:    19.4
6-LOCAL:    33.1

Mileage by Lane Type:
  1-Multi-Lane Controlled Access:  1787.0       3-Multi-Lane Divided Highway:
46.1
                5-Principle Road:    16.7
                         7-Other:    35.8


Mileage within Tribal Lands:
  Outside Tribal Lands         :  1871.6

Cedar City Reservation              :     1.4   Kanosh Reservation
:     0.5
Las Vegas Colony                    :     2.8   Moapa River Reservation
:     9.2


Mileage within Nevada Counties:
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Clark: 130.1 Nye: 37.4

TRAGIS Routing Engine Version 1.4.15 -- 2000 Census Data

POPULATION DENSITY within 800 meter Buffer Zone:
FROM: BRAIDWOOD NP IL
TO : YUCCA MOUNTAIN NV

| ST | MILES | 0 | >0.0 -22.7 | 22.7 -59.7 | 59.7 -139 | 139 -326 | 326 -821 | 821 -1861 | 1861 -3326 | 3326 -5815 | 5815 -9996 | >9996 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AZ | 29.2 | 16.21 | 10.81 | 1.58 | 0.33 | 0.13 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IL | 152.2 | 22.23 | 38.53 | 30.48 | 25.16 | 15.66 | 9.77 | 5.77 | 3.07 | 1.21 | 0.30 | 0.00 |
| IA | 300.2 | 26.40 | 71.62 | 91.20 | 51.29 | 24.67 | 17.99 | 10.28 | 3.79 | 2.22 | 0.59 | 0.20 |
| NE | 456.6 | 167.07 | 80.87 | 107.72 | 49.64 | 24.69 | 10.77 | 7.27 | 4.24 | 2.75 | 1.02 | 0.59 |
| NV | 167.5 | 108.64 | 21.20 | 17.69 | 9.50 | 3.95 | 3.63 | 1.23 | 0.76 | 0.52 | 0.40 | 0.00 |
| UT | 379.2 | 117.87 | 69.94 | 66.59 | 38.46 | 23.83 | 17.47 | 14.45 | 10.59 | 10.40 | 8.11 | 1.52 |
| WY | 400.5 | 207.08 | 105.56 | 52.54 | 12.14 | 6.48 | 6.02 | 4.33 | 4.26 | 1.86 | 0.22 | 0.06 |
| TOTALS | 1885.5 | 665.50 | 398.53 | 367.80 | 186.52 | 99.41 | 65.86 | 43.33 | 26.71 | 18.96 | 10.64 | 2.37 |
| PERCENTAGES | | 35.29 | 21.14 | 19.51 | 9.89 | 5.27 | 3.49 | 2.30 | 1.42 | 1.01 | 0.56 | 0.13 |

BASIS: 2000 Census data

| RADTRAN Input Data | RURAL | SUBURBAN | URBAN |
|---|---|---|---|
| WEIGHTED POPULATION | | | |
| People/sq. mi. | 24.2 | 800.1 | 6157.1 |
| People/sq. km. | 9.4 | 308.9 | 2377.2 |

| DISTANCE | | | | TOTALS |
|---|---|---|---|---|
| Miles | 1618.4 | 235.3 | 32.0 | 1885.5 |
| Kilometers | 2604.4 | 378.7 | 51.4 | 3034.4 |
| Percentages | 85.8 | 12.5 | 1.7 | |

| BASIS (people/sq mi.) | <139 | 139-3326 | >3326 |
|---|---|---|---|

Population within 800 meter Buffer Zone by State:
AZ 287 IL 29649 IA 56670 NE 59486 NV 12582 UT 159595 WY 32573

Total Population within 800 meter Buffer Zone: 350842