

FROM: ZION NP
TO : YUCCA MOUNTAIN

IL
NV

Leaving : 06/01/04 02:24
Arriving: 06/02/04 09:21

Miles	Hwy Sign	City	Dir	Junction	State	Dist	Time	Date	Hour
0.0		ZION NP			IL	0.0	0:00	06/01/04	
02:24									
1.3	LOCAL	ZION		S173LOCL	IL	1.3	0:02	06/01/04	
02:26									
7.2	S173	ROSECRANS	W	I94 S173	IL	8.6	0:13	06/01/04	
02:37									
23.0	I94 \$	DEERFIELD		I294I94	IL	31.6	0:38	06/01/04	
03:02									
21.8	I294\$	HILLSIDE	SW	I294I88	IL	53.4	1:02	06/01/04	
03:26									
95.4	I88 \$ TEWT\$	ROCK FALLS	SE	I88 X44	IL	148.8	2:46	06/01/04	
05:10									
43.9	I88	RAPIDS CITY	S	I80 I88	IL	192.7	3:34	06/01/04	
05:58									
6.7	I80	GREEN ROCK	SE	I74 I80	IL	199.4	3:41	06/01/04	
06:05									
9.3	I74	MLI AIRPORT		I280I74	IL	208.8	3:51	06/01/04	
06:15									
6.8	I280	ROCK ISLAND	SW	I280X11	IL	215.5	3:59	06/01/04	
06:23									
1.4	I280	crossing state border		IA/IL		216.9	4:00	06/01/04	
06:24									
		Rest 30 minutes							
9.6	I280	DAVENPORT	NW	I280I80	IA	226.6	4:40	06/01/04	
07:04									
151.5	I80	DES MOINES	N	I235I35	IA	378.1	7:00	06/01/04	
09:24									
14.2	I35 I80	DES MOINES	W	I235I35	IA	392.2	7:15	06/01/04	
09:39									
		Rest 30 minutes							
95.7	I80	MINDEN	NW	I680I80	IA	487.9	9:13	06/01/04	
11:37									
16.5	I680	LOVELAND	SW	I29 I680	IA	504.4	9:28	06/01/04	
11:52									
9.7	I29 I680	CRESCENT	W	I29 I680	IA	514.1	9:37	06/01/04	
12:01									
3.0	I680	crossing state border		IA/NE		517.1	9:40	06/01/04	
12:04									
13.4	I680	OMAHA	SW	I680I80	NE	530.5	9:54	06/01/04	
12:18									
		Rest 30 minutes							
422.7	I80	KIMBALL	S	I80 X20	NE	953.2	16:04	06/01/04	
17:28									
20.6	I80	crossing state border		NE/WY		973.8	16:21	06/01/04	
17:45									
		Rest 30 minutes							
		Rest 30 minutes							
382.4	I80	EVANSTON	NE	I80 X18	WY	1356.1	21:56	06/01/04	
23:20									
18.2	I80	crossing state border		UT/WY		1374.3	22:41	06/02/04	
00:05									
68.4	I80	HOLLADAY	N	I215I80	UT	1442.7	23:36	06/02/04	
01:00									
10.2	I215	MIDVALE		I15 I215	UT	1452.9	23:45	06/02/04	
01:09									

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294.2	I15	Rest 30 minutes					
05:38		SGU AIRPORT	I15 X6	UT	1747.1	28:14	06/02/04
6.4	I15	crossing state border AZ/UT			1753.5	28:19	06/02/04
05:43							
20.6	I15	LITTLEFIELD	I15 X8	AZ	1774.1	28:36	06/02/04
05:00							
8.6	I15	crossing state border AZ/NV			1782.8	28:43	06/02/04
05:07							
73.6	I15	N LAS VEGAS	NE I15 S215	NV	1856.3	29:42	06/02/04
06:06							
14.8	S215	Rest 30 minutes					
06:51		LAS VEGAS	NW U95 S215	NV	1871.1	30:27	06/02/04
46.1	U95	MERCURY	S U95 LOCL	NV	1917.2	31:43	06/02/04
08:07							
33.1	LOCAL	YUCCA MOUNTAIN		NV	1950.3	32:57	06/02/04
09:21							

Total elapsed time: 32:57
 Total trip mileage: 1950.3 Impedance: 4664.5

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:	216.9	NE:	456.6	NV:	167.5	UT:	379.2
WY:	400.5										

Mileage by Sign Type:

1-INTERSTATE:	1847.8	2-US:	46.1	3-STATE:	22.0
6-LOCAL:	34.4				

Mileage by Lane Type:

1-Multi-Lane Controlled Access:	1847.8	3-Multi-Lane Divided Highway:	
46.1			
5-Principle Road:	14.8		
6-Through Road:	7.2		
7-Other:	34.4		

Mileage within Tribal Lands:

Outside Tribal Lands : 1936.3

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

Mileage within Nevada Counties:
 Clark: 130.1 Nye: 37.4

TRAGIS Routing Engine Version 1.4.15 -- 2000 Census Data

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

ST MILES 0 >0.0 22.7 59.7 139 326 821 1861 3326 5815
 >9996 -22.7 -59.7 -139 -326 -821 -1861 -3326 -5815 -9996

	ST	MILES	0	>0.0	22.7	59.7	139	326	821	1861	3326	5815
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	216.9	25.30	38.74	35.14	32.88	25.26	21.76	15.56	10.57	7.40	4.11	0.27
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
 1950.3 668.57 398.74 372.46 194.24 109.01 77.85 53.12 34.21 25.15 14.45
 2.64
 PERCENTAGES
 34.28 20.44 19.10 9.96 5.59 3.99 2.72 1.75 1.29 0.74
 0.14

BASIS: 2000 Census data

RADTRAN Input Data	RURAL	SUBURBAN	URBAN
WEIGHTED POPULATION			
People/sq. mi.	24.6	838.6	6113.2
People/sq. km.	9.5	323.8	2360.3

DISTANCE	TOTALS
Miles	1634.0 274.2 42.2 1950.3
Kilometers	2629.6 441.3 68.0 3138.6
Percentages	83.8 14.1 2.2

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

Population within 800 meter Buffer Zone by State:
 AZ 287 IL 107868 IA 56670 NE 59486 NV 12582 UT 159595 WY 32573

Total Population within 800 meter Buffer Zone: 429061