ATTACHMENT B-A-1

MOBILE 5A EMISSIONS OUTPUT

```
1 LINCOLN BELTWAY-2020 EMISSION FACTORS.
 MOBILE5a (26-Mar-93)
0
-M 90 Warning:
+              Period 1 RVP reset to  6.5
-M 90 Warning:
+              Period 2 RVP reset to  6.5
0BELT  2020.                                Minimum Temp:  10. (F)         Maximum Temp:  40. (F)
                      Period 1 RVP:  6.5    Period 2 RVP:  6.5        Period 2 Start Yr: 2001
0Total HC emission factors include evaporative HC emission factors.
0_____________________________________________________________________________________________
___
0Emission factors are as of Jan. 1st of the indicated calendar year.
0Cal. Year: 2020        I/M Program: No        Ambient Temp: 29.9 (F)              Region: Low
                 Anti-tam. Program: No      Operating Mode: 20.6 / 27.3 / 20.6   Altitude:  500. Ft.
                  Reformulated Gas: No
0  Veh. Type:      LDGV     LDGT1     LDGT2      LDGT      HDGV      LDDV      LDDT      HDDV      MC      All
Veh
+                 ______   ______    ______    ______    ______    ______    ______    ______    ______
______
 Veh. Speeds:     65.0     65.0      65.0                65.0      65.0      65.0      65.0      65.0
     VMT Mix:      0.575    0.207     0.089                0.034     0.002     0.005     0.084     0.004
0Composite Emission Factors (Gm/Mile)
 Exhaust  CO:     19.31    26.55     35.68     29.28      21.89      0.87      0.98      6.77     43.19
21.277
_____________________________________________________________________________________________
___
0Emission factors are as of Jan. 1st of the indicated calendar year.
0Cal. Year: 2020        I/M Program: No        Ambient Temp: 29.9 (F)              Region: Low
                 Anti-tam. Program: No      Operating Mode: 20.6 / 27.3 / 20.6   Altitude:  500. Ft.
                  Reformulated Gas: No
0  Veh. Type:      LDGV     LDGT1     LDGT2      LDGT      HDGV      LDDV      LDDT      HDDV      MC      All
Veh
+                 ______   ______    ______    ______    ______    ______    ______    ______    ______
______
 Veh. Speeds:     60.0     60.0      60.0                60.0      60.0      60.0      60.0      60.0
     VMT Mix:      0.575    0.207     0.089                0.034     0.002     0.005     0.084     0.004
0Composite Emission Factors (Gm/Mile)
 Exhaust  CO:     14.70    20.62     27.71     22.74      17.97      0.77      0.86      5.96     27.93
16.417
_____________________________________________________________________________________________
___
0Emission factors are as of Jan. 1st of the indicated calendar year.
0Cal. Year: 2020        I/M Program: No        Ambient Temp: 29.9 (F)              Region: Low
                 Anti-tam. Program: No      Operating Mode: 20.6 / 27.3 / 20.6   Altitude:  500. Ft.
                  Reformulated Gas: No
0  Veh. Type:      LDGV     LDGT1     LDGT2      LDGT      HDGV      LDDV      LDDT      HDDV      MC      All
Veh
+                 ______   ______    ______    ______    ______    ______    ______    ______    ______
______
 Veh. Speeds:     35.0     35.0      35.0                35.0      35.0      35.0      35.0      35.0
```

VMT Mix: 0.575 0.207 0.089 0.034 0.002 0.005 0.084 0.004

0Composite Emission Factors (Gm/Mile)

Exhaust CO: 16.24 21.89 29.42 24.15 15.27 0.80 0.89 6.19 17.19

17.605

ATTACHMENT B-A-2

TRAFFIC VOLUME

Lincoln Beltway Alternatives

December 9, 1999

Daily Traffic Comparisons

FIGURE 3

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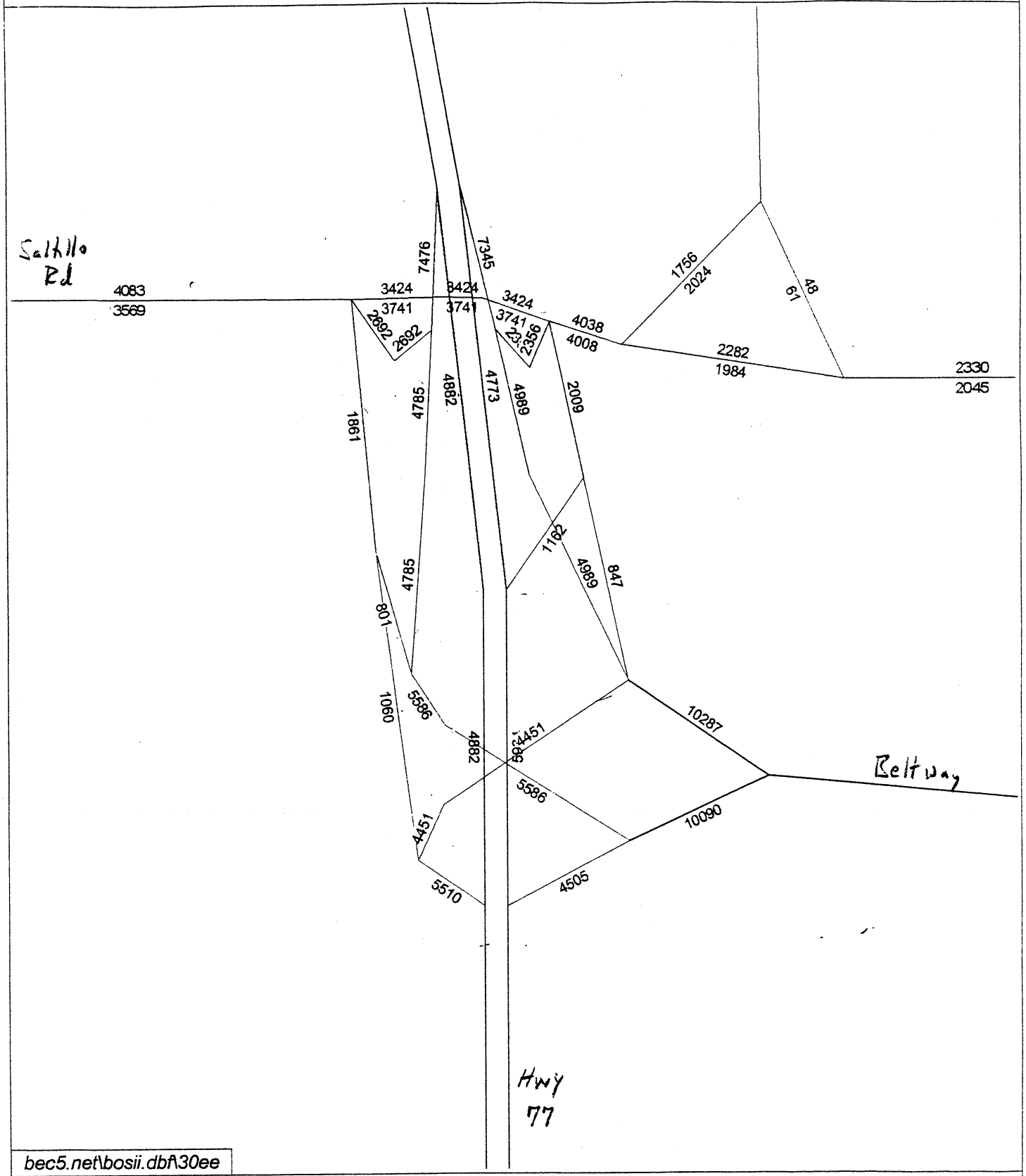
Model Runs for BOS2 Land Use and 30 Year Projected External Trips

Roadway Segment	No Beltway (2)	East Beltway Alternatives: East-Close (5)	East-Mid (6)	East-Far (7)
West Beltway				
West "O" Street to West Capital Parkway	41,079	41,331	41,650	40,202
West Capital Parkway to Van Dorn Street	30,072	29,838	30,215	29,823
Van Dorn Street to Pioneers Blvd.	25,543	28,781	28,935	28,699
Pioneers Blvd. to Old Cheney Road	27,399	30,960	31,108	30,720
Old Cheney Road to Warlick Road	20,760	24,052	23,916	24,336
Warlick Road to Saltillo Road	19,774	24,476	24,429	24,461
Sum of West Links	**164,627**	**179,438**	**180,253**	**178,241**
South Beltway				
U.S Highway 77 to South 27th Street		20,356	19,441	19,109
South 27th Street to South 68th Street		20,711	19,482	19,068
South 68th Street to South 84th Street		20,074	17,940	17,106
South 84th Street to Nebraska Hwy 2		19,034	15,641	14,723
Sum of South Links		**80,175**	**72,504**	**70,006**
East Beltway				
U.S. 6 to I-80		16,330	18,404	18,994
I-80 to Fletcher Avenue		25,035	23,012	19,957
Fletcher Avenue to Adams Street		23,699	25,444	24,708
Adams Street to "O" Street (U.S. 34)		29,837	28,341	26,468
"O" Street (U.S. 34) to Pioneers Blvd.		29,185	26,150	22,132
Pioneers Blvd. to Pine Lake Road		23,865	21,188	17,363
Pine Lake Road to Nebraska Hwy 2		14,069	14,459	13,828
Sum of East Links		**162,020**	**156,998**	**143,450**

Lincoln-Lancaster Planning Department

Beltway Alternatives Analysis
Future Network with Beltway South-Mid & East-Close
December 9, 1999



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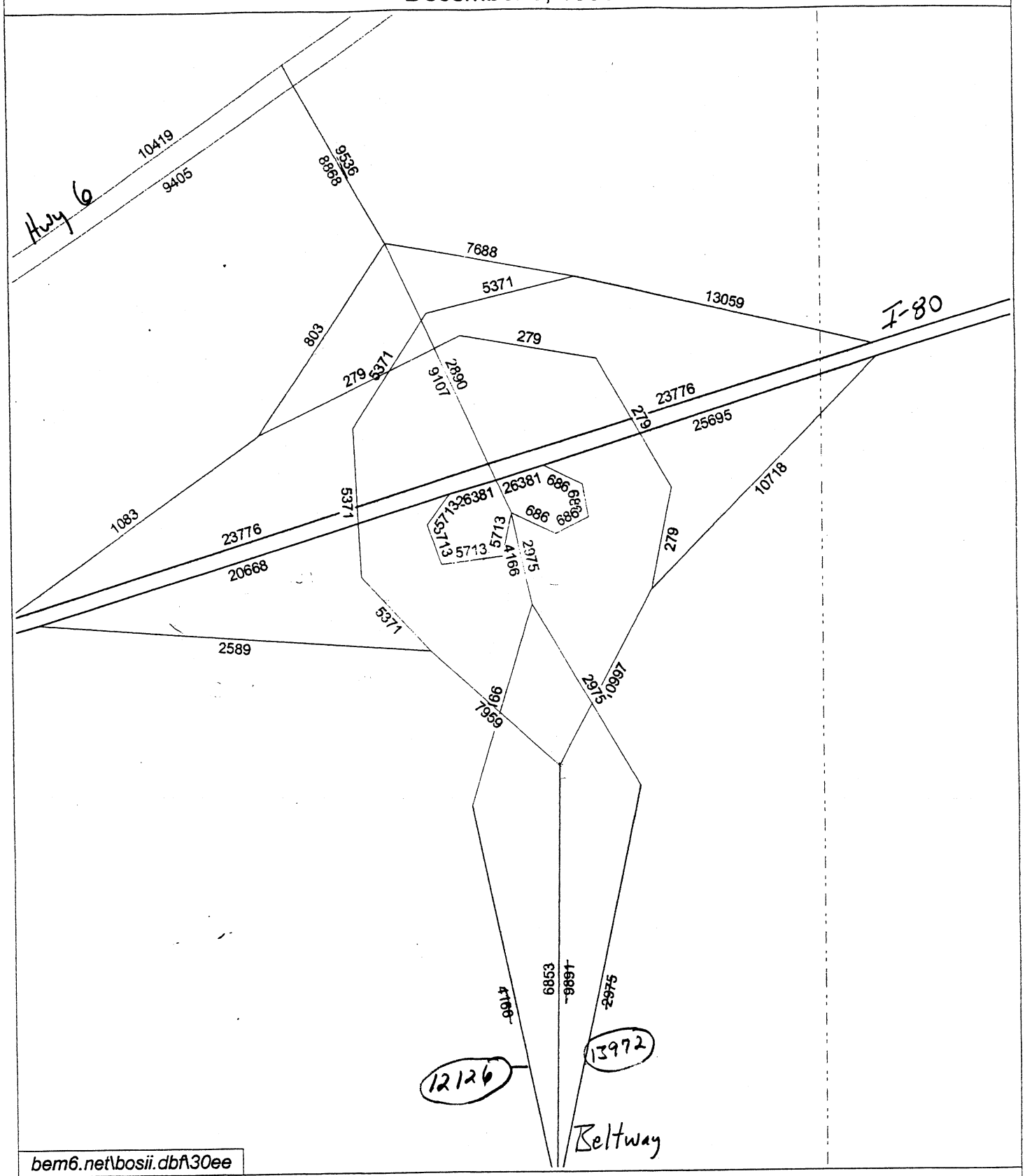
Average Daily Traffic
External Traffic Projections for Year 2030

Viper Software by The Urban Analysis Group

Licensed to Lincoln City-County Planning

Lincoln Beltway Alternatives
Future Network with Beltway South-Mid & East-Mid
December 9, 1999



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Average Daily Traffic
External Traffic Projections for Year 2030

Viper Software by The Urban Analysis Group

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Appendix B-B

CAL3QHC Air Dispersion Model Output

DATA PROVIDED SEPARATELY TO
NEBRASKA DEPARTMENT OF ENVIRONMENTAL QUALITY.
DATA AVAILABLE ON REQUEST.