Appendix E
EMFAC2007 and CALINE4 Output Files

Title : Intersection 1
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2008/12/23 16:30:32
Scen Year: 2008 -- All model years in the range 1965 to 2008 selected
Season : Annual
Area : Placer
****
Year: 2008 -- Model Years Inclusive --
Emfac2007 Emission Factors: V2.3 Nov 1 2006

County Average

Table 1: Running Exhaust Emissions (grams/mile; grams/idle-hour)

Pollutant Name: Carbon Monoxide Temperature: 36F

Speed MPH	LDA NCAT	LDA CAT	LDA DSL	LDA ALL	LDT1 ALL	LDT2 ALL	MDV ALL	LHD1 ALL	LHD2 ALL	MHD ALL	HHD ALL	OBUS ALL	UBUS ALL	MCY ALL	SBUS ALL	MH ALL	**ALL ALL**
0	0	0	0	0	0	0	0	110.804	80.787	44.327	51.915	101.786	0	0	44.626	0	7.936
5	258.862	3.61	2.82	5.798	11.701	5.956	7.186	6.441	9.085	13.095	22.64	26.97	20.591	53.542	24.745	55.917	**8.692**
10	188.676	3.196	1.944	4.784	9.298	5.063	5.948	4.306	6.086	8.841	16.723	18.012	13.442	44.049	16.627	37.214	6.93
15	144.823	2.861	1.403	4.075	7.682	4.404	5.077	3.038	4.3	6.283	12.333	12.698	9.293	38.117	11.775	26.165	5.721
20	117.067	2.585	1.06	3.562	6.566	3.903	4.444	2.261	3.204	4.699	9.409	9.449	6.802	34.686	8.787	19.435	4.888
25	99.657	2.353	0.837	3.184	5.783	3.513	3.974	1.776	2.518	3.699	7.859	7.42	5.271	33.189	6.91	15.251	4.33
30	89.342	2.158	0.693	2.902	5.237	3.208	3.622	1.472	2.086	3.063	6.601	6.15	4.323	33.398	5.724	12.644	3.934
35	84.348	1.993	0.6	2.696	4.872	2.97	3.363	1.287	1.823	2.67	5.603	5.379	3.753	35.356	4.997	11.073	3.667
40	83.863	1.854	0.543	2.554	4.66	2.788	3.182	1.188	1.68	2.449	4.846	4.966	3.447	39.393	4.596	10.245	3.517
45	87.81	1.738	0.515	2.473	4.593	2.658	3.075	1.156	1.633	2.364	4.321	4.84	3.351	46.215	4.456	10.015	3.485
50	96.825	1.643	0.511	2.456	4.682	2.58	3.046	1.188	1.674	2.403	4.025	4.978	3.447	57.112	4.552	10.342	3.59
55	112.437	1.569	0.531	2.517	4.964	2.562	3.111	1.289	1.811	2.571	3.961	5.406	3.751	74.365	4.904	11.283	3.874
60	137.501	1.517	0.577	2.681	5.508	2.618	3.298	1.475	2.067	2.899	4.142	6.198	4.319	102.041	5.57	13.004	4.416
65	177.082	1.493	0.656	2.997	6.442	2.779	3.666	1.783	2.49	3.444	4.586	7.504	5.261	147.554	6.674	15.836	5.36

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: Intersection 1, Alternative 1
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
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I. SITE VARIABLES

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      U=    .5 M/S            Z0= 100. CM           ALT=    36. (M)
    BRG= WORST CASE           VD=   .0 CM/S
   CLAS=     7 (G)            VS=   .0 CM/S
   MIXH= 1000. M             AMB=   .0 PPM
  SIGTH=    5. DEGREES       TEMP=  5.0 DEGREE (C)
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II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Link A	42648	*****	42648	*****	AG	1360	8.7	.0	12.0
B. Link B	42648	*****	42648	*****	AG	1360	8.7	.0	12.0
C. Link C	42651	*****	42651	*****	AG	380	8.7	.0	10.0
D. Link D	42640	*****	42640	*****	AG	20	8.7	.0	12.0
E. Link E	42482	*****	42630	*****	AG	1530	8.7	.0	15.0
F. Link F	42630	*****	42784	*****	AG	1530	8.7	.0	15.0
G. Link G	42514	*****	42614	*****	AG	70	8.7	.0	10.0
H. Link H	42511	*****	42613	*****	AG	660	8.7	.0	12.0
I. Link I	42633	*****	42633	*****	AG	1360	8.7	.0	12.0
J. Link J	42633	*****	42633	*****	AG	1360	8.7	.0	12.0
K. Link K	42630	*****	42630	*****	AG	640	8.7	.0	10.0
L. Link L	42635	*****	42635	*****	AG	310	8.7	.0	12.0
M. Link M	42771	*****	42641	*****	AG	1910	8.7	.0	15.0
N. Link N	42641	*****	42486	*****	AG	1910	8.7	.0	15.0
O. Link O	42743	*****	42658	*****	AG	530	8.7	.0	10.0
P. Link P	42736	*****	42659	*****	AG	510	8.7	.0	12.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   2

     JOB: Intersection 1, Alternative 1
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
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III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Recpt 1	42617	290490	1.8
2. Recpt 2	42616	290436	1.8
3. Recpt 3	42657	290492	1.8
4. Recpt 4	42660	290447	1.8
5. Recpt 5	42650	290536	1.8
6. Recpt 6	42649	290606	1.8
7. Recpt 7	42621	290525	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Recpt 1	75.	3.5	.3	.0	.0	.0	.3	1.2	.0	.0
2. Recpt 2	9.	2.3	.0	.5	.0	.0	.2	.0	.0	.0
3. Recpt 3	279.	4.3	.7	.0	.0	.0	1.2	1.0	.0	.5
4. Recpt 4	346.	2.8	.8	.2	.3	.0	.0	.3	.0	.0
5. Recpt 5	181.	4.2	1.7	1.2	.3	.0	.0	.4	.0	.0
6. Recpt 6	181.	3.9	.7	2.3	.1	.0	.0	.2	.0	.0
7. Recpt 7	100.	4.5	.0	.4	.0	.0	.0	.5	.0	.0

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P
1. Recpt 1	.0	.5	.0	.0	.8	.0	.2	.3
2. Recpt 2	.7	.1	.2	.2	.0	.3	.0	.0
3. Recpt 3	.0	.4	.0	.0	.0	.6	.0	.0
4. Recpt 4	.6	.0	.3	.1	.2	.1	.0	.0
5. Recpt 5	.0	.0	.0	.0	.6	.0	.0	.0
6. Recpt 6	.0	.2	.0	.0	.2	.0	.0	.0
7. Recpt 7	.6	.0	.3	.0	1.5	.7	.2	.3

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: Intersection 1, Alternative 2
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

 I.  SITE VARIABLES

       U=    .5 M/S            Z0= 100. CM           ALT=    36. (M)
     BRG= WORST CASE           VD=   .0 CM/S
    CLAS=     7 (G)            VS=   .0 CM/S
    MIXH= 1000. M             AMB=   .0 PPM
   SIGTH=    5. DEGREES       TEMP=  5.0 DEGREE (C)

 II.  LINK VARIABLES

     LINK      *  LINK COORDINATES (M)   *              EF     H     W
  DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
----------------*-------------------------*-------------------------------
A. Link A       * 42648 ***** 42648 ***** *  AG   1340   8.7     .0  12.0
B. Link B       * 42648 ***** 42648 ***** *  AG   1340   8.7     .0  12.0
C. Link C       * 42651 ***** 42651 ***** *  AG    270   8.7     .0  10.0
D. Link D       * 42640 ***** 42640 ***** *  AG     40   8.7     .0  12.0
E. Link E       * 42482 ***** 42630 ***** *  AG   1370   8.7     .0  15.0
F. Link F       * 42630 ***** 42784 ***** *  AG   1370   8.7     .0  15.0
G. Link G       * 42514 ***** 42614 ***** *  AG     70   8.7     .0  10.0
H. Link H       * 42511 ***** 42613 ***** *  AG    700   8.7     .0  12.0
I. Link I       * 42633 ***** 42633 ***** *  AG   1310   8.7     .0  12.0
J. Link J       * 42633 ***** 42633 ***** *  AG   1310   8.7     .0  12.0
K. Link K       * 42630 ***** 42630 ***** *  AG    720   8.7     .0  10.0
L. Link L       * 42635 ***** 42635 ***** *  AG    350   8.7     .0  12.0
M. Link M       * 42771 ***** 42641 ***** *  AG   1720   8.7     .0  15.0
N. Link N       * 42641 ***** 42486 ***** *  AG   1720   8.7     .0  15.0
O. Link O       * 42743 ***** 42658 ***** *  AG    560   8.7     .0  10.0
P. Link P       * 42736 ***** 42659 ***** *  AG    250   8.7     .0  12.0
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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   2

     JOB: Intersection 1, Alternative 2
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
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III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Recpt 1	42617	290490	1.8
2. Recpt 2	42616	290436	1.8
3. Recpt 3	42657	290492	1.8
4. Recpt 4	42660	290447	1.8
5. Recpt 5	42650	290536	1.8
6. Recpt 6	42649	290606	1.8
7. Recpt 7	42621	290525	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Recpt 1	75.	3.2	.3	.0	.0	.0	.3	1.0	.0	.0
2. Recpt 2	9.	2.2	.0	.5	.0	.0	.2	.0	.0	.0
3. Recpt 3	279.	4.0	.7	.0	.0	.0	1.1	.9	.0	.5
4. Recpt 4	347.	2.7	.7	.3	.2	.0	.0	.3	.0	.0
5. Recpt 5	181.	4.0	1.6	1.2	.2	.0	.0	.3	.0	.0
6. Recpt 6	181.	3.7	.7	2.3	.0	.0	.0	.2	.0	.0
7. Recpt 7	99.	4.1	.0	.4	.0	.0	.0	.4	.0	.0

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P
1. Recpt 1	.0	.5	.0	.0	.7	.0	.2	.2
2. Recpt 2	.7	.1	.3	.2	.0	.3	.0	.0
3. Recpt 3	.0	.4	.0	.0	.0	.6	.0	.0
4. Recpt 4	.6	.0	.3	.2	.2	.0	.0	.0
5. Recpt 5	.0	.0	.0	.0	.6	.0	.0	.0
6. Recpt 6	.0	.2	.0	.0	.2	.0	.0	.0
7. Recpt 7	.5	.0	.3	.0	1.5	.6	.2	.2

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: Intersection 1, Alternative 3
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

 I.  SITE VARIABLES

       U=    .5 M/S            Z0= 100. CM           ALT=    36. (M)
     BRG= WORST CASE           VD=   .0 CM/S
    CLAS=     7 (G)            VS=   .0 CM/S
    MIXH= 1000. M             AMB=   .0 PPM
   SIGTH=    5. DEGREES       TEMP=  5.0 DEGREE (C)

 II.  LINK VARIABLES

     LINK      *  LINK COORDINATES (M)   *              EF     H     W
  DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
----------------*-------------------------*------------------------------
A. Link A       * 42648 ***** 42648 ***** *  AG   1350   8.7     .0  12.0
B. Link B       * 42648 ***** 42648 ***** *  AG   1350   8.7     .0  12.0
C. Link C       * 42651 ***** 42651 ***** *  AG    430   8.7     .0  10.0
D. Link D       * 42640 ***** 42640 ***** *  AG     20   8.7     .0  12.0
E. Link E       * 42482 ***** 42630 ***** *  AG   1550   8.7     .0  15.0
F. Link F       * 42630 ***** 42784 ***** *  AG   1550   8.7     .0  15.0
G. Link G       * 42514 ***** 42614 ***** *  AG     70   8.7     .0  10.0
H. Link H       * 42511 ***** 42613 ***** *  AG    680   8.7     .0  12.0
I. Link I       * 42633 ***** 42633 ***** *  AG   1340   8.7     .0  12.0
J. Link J       * 42633 ***** 42633 ***** *  AG   1340   8.7     .0  12.0
K. Link K       * 42630 ***** 42630 ***** *  AG    680   8.7     .0  10.0
L. Link L       * 42635 ***** 42635 ***** *  AG    280   8.7     .0  12.0
M. Link M       * 42771 ***** 42641 ***** *  AG   1890   8.7     .0  15.0
N. Link N       * 42641 ***** 42486 ***** *  AG   1890   8.7     .0  15.0
O. Link O       * 42743 ***** 42658 ***** *  AG    520   8.7     .0  10.0
P. Link P       * 42736 ***** 42659 ***** *  AG    560   8.7     .0  12.0
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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   2

     JOB: Intersection 1, Alternative 3
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
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III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Recpt 1	42617	290490	1.8
2. Recpt 2	42616	290436	1.8
3. Recpt 3	42657	290492	1.8
4. Recpt 4	42660	290447	1.8
5. Recpt 5	42650	290536	1.8
6. Recpt 6	42649	290606	1.8
7. Recpt 7	42621	290525	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Recpt 1	75.	3.6	.3	.0	.0	.0	.3	1.2	.0	.0
2. Recpt 2	9.	2.3	.0	.5	.0	.0	.2	.0	.0	.0
3. Recpt 3	279.	4.3	.7	.0	.0	.0	1.2	1.0	.0	.5
4. Recpt 4	346.	2.9	.8	.2	.3	.0	.0	.3	.0	.0
5. Recpt 5	181.	4.2	1.7	1.2	.3	.0	.0	.4	.0	.0
6. Recpt 6	181.	3.8	.7	2.3	.1	.0	.0	.2	.0	.0
7. Recpt 7	100.	4.5	.0	.4	.0	.0	.0	.5	.0	.0

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P
1. Recpt 1	.0	.5	.0	.0	.8	.0	.1	.3
2. Recpt 2	.7	.1	.3	.1	.0	.3	.0	.0
3. Recpt 3	.0	.4	.0	.0	.0	.6	.0	.0
4. Recpt 4	.6	.0	.3	.1	.2	.1	.0	.0
5. Recpt 5	.0	.0	.0	.0	.6	.0	.0	.0
6. Recpt 6	.0	.2	.0	.0	.2	.0	.0	.0
7. Recpt 7	.6	.0	.3	.0	1.5	.7	.2	.3

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: Intersection 1, Alternative 4
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

 I.  SITE VARIABLES

       U=    .5 M/S            Z0= 100. CM           ALT=    36. (M)
     BRG= WORST CASE           VD=   .0 CM/S
    CLAS=     7 (G)            VS=   .0 CM/S
    MIXH= 1000. M             AMB=   .0 PPM
   SIGTH=    5. DEGREES       TEMP=  5.0 DEGREE (C)

 II.  LINK VARIABLES

     LINK      *  LINK COORDINATES (M)   *              EF     H     W
  DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
----------------*-------------------------*------------------------------
A. Link A       * 42648 ***** 42648 ***** *  AG   1600   8.7     .0  12.0
B. Link B       * 42648 ***** 42648 ***** *  AG   1600   8.7     .0  12.0
C. Link C       * 42651 ***** 42651 ***** *  AG    560   8.7     .0  10.0
D. Link D       * 42640 ***** 42640 ***** *  AG     50   8.7     .0  12.0
E. Link E       * 42482 ***** 42630 ***** *  AG   1450   8.7     .0  15.0
F. Link F       * 42630 ***** 42784 ***** *  AG   1450   8.7     .0  15.0
G. Link G       * 42514 ***** 42614 ***** *  AG     70   8.7     .0  10.0
H. Link H       * 42511 ***** 42613 ***** *  AG    610   8.7     .0  12.0
I. Link I       * 42633 ***** 42633 ***** *  AG   1700   8.7     .0  12.0
J. Link J       * 42633 ***** 42633 ***** *  AG   1700   8.7     .0  12.0
K. Link K       * 42630 ***** 42630 ***** *  AG    530   8.7     .0  10.0
L. Link L       * 42635 ***** 42635 ***** *  AG    180   8.7     .0  12.0
M. Link M       * 42771 ***** 42641 ***** *  AG   1870   8.7     .0  15.0
N. Link N       * 42641 ***** 42486 ***** *  AG   1870   8.7     .0  15.0
O. Link O       * 42743 ***** 42658 ***** *  AG    380   8.7     .0  10.0
P. Link P       * 42736 ***** 42659 ***** *  AG    740   8.7     .0  12.0
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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   2

     JOB: Intersection 1, Alternative 4
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
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III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Recpt 1	42617	290490	1.8
2. Recpt 2	42616	290436	1.8
3. Recpt 3	42657	290492	1.8
4. Recpt 4	42660	290447	1.8
5. Recpt 5	42650	290536	1.8
6. Recpt 6	42649	290606	1.8
7. Recpt 7	42621	290525	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Recpt 1	75.	3.7	.4	.0	.0	.0	.3	1.1	.0	.0
2. Recpt 2	10.	2.4	.0	.6	.0	.0	.2	.0	.0	.0
3. Recpt 3	279.	4.3	.8	.0	.0	.0	1.1	.9	.0	.4
4. Recpt 4	346.	3.1	.9	.2	.4	.0	.0	.3	.0	.0
5. Recpt 5	181.	4.7	1.9	1.4	.4	.0	.0	.3	.0	.0
6. Recpt 6	181.	4.4	.8	2.7	.2	.0	.0	.2	.0	.0
7. Recpt 7	100.	4.6	.0	.4	.0	.0	.0	.5	.0	.0

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P
1. Recpt 1	.0	.6	.0	.0	.8	.0	.1	.4
2. Recpt 2	.8	.2	.2	.0	.0	.3	.0	.0
3. Recpt 3	.0	.5	.0	.0	.0	.6	.0	.0
4. Recpt 4	.7	.0	.2	.0	.2	.1	.0	.0
5. Recpt 5	.0	.0	.0	.0	.6	.0	.0	.0
6. Recpt 6	.0	.2	.0	.0	.2	.0	.0	.0
7. Recpt 7	.7	.0	.2	.0	1.5	.7	.1	.4

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: Intersection 2, Alternative 1
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

 I.  SITE VARIABLES

       U=    .5 M/S            Z0= 100. CM           ALT=    26. (M)
     BRG= WORST CASE           VD=   .0 CM/S
    CLAS=     7 (G)            VS=   .0 CM/S
    MIXH= 1000. M             AMB=   .0 PPM
   SIGTH=    5. DEGREES       TEMP=  5.0 DEGREE (C)

 II.  LINK VARIABLES

     LINK      *  LINK COORDINATES (M)   *              EF     H     W
  DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
----------------*-------------------------*------------------------------
A. Link A       * 39795 ***** 39795 ***** *  AG   1910   8.7     .0  15.0
B. Link B       * 39795 ***** 39795 ***** *  AG   1910   8.7     .0  15.0
C. Link C       * 39797 ***** 39797 ***** *  AG    420   8.7     .0  10.0
D. Link D       * 39790 ***** 39790 ***** *  AG    430   8.7     .0  12.0
E. Link E       * 39623 ***** 39770 ***** *  AG   1430   8.7     .0  12.0
F. Link F       * 39770 ***** 39911 ***** *  AG   1430   8.7     .0  12.0
G. Link G       * 39701 ***** 39751 ***** *  AG    190   8.7     .0  10.0
H. Link H       * 39690 ***** 39751 ***** *  AG    440   8.7     .0  12.0
I. Link I       * 39764 ***** 39764 ***** *  AG   1480   8.7     .0  15.0
J. Link J       * 39764 ***** 39764 ***** *  AG   1480   8.7     .0  15.0
K. Link K       * 39759 ***** 39759 ***** *  AG    540   8.7     .0  10.0
L. Link L       * 39771 ***** 39771 ***** *  AG    590   8.7     .0  12.0
M. Link M       * 39900 ***** 39780 ***** *  AG    860   8.7     .0  12.0
N. Link N       * 39780 ***** 39627 ***** *  AG    860   8.7     .0  12.0
O. Link O       * 39841 ***** 39796 ***** *  AG    380   8.7     .0  10.0
P. Link P       * 39901 ***** 39798 ***** *  AG    400   8.7     .0  12.0
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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   2

     JOB: Intersection 2, Alternative 1
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
```

Page 1

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Recpt 1	39759	286279	1.8
2. Recpt 2	39755	286202	1.8
3. Recpt 3	39797	286288	1.8
4. Recpt 4	39805	286216	1.8
5. Recpt 5	39793	286342	1.8
6. Recpt 6	39790	286405	1.8
7. Recpt 7	39755	286329	1.8
8. Recpt 8	39753	286393	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Recpt 1	3.	3.8	.0	.0	.0	.0	.5	.0	.0	.0
2. Recpt 2	8.	2.8	.0	.3	.0	.0	.1	.0	.0	.0
3. Recpt 3	359.	4.5	1.1	2.3	.0	.0	.0	.8	.0	.0
4. Recpt 4	347.	3.4	1.7	.0	.4	.2	.0	.2	.0	.0
5. Recpt 5	179.	4.4	1.7	1.6	.2	.3	.0	.3	.0	.0
6. Recpt 6	178.	4.2	.9	2.6	.1	.2	.0	.2	.0	.0
7. Recpt 7	163.	3.0	.6	.0	.0	.2	.3	.0	.0	.0
8. Recpt 8	166.	3.0	.6	.0	.0	.2	.0	.2	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Intersection 2, Alternative 1
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P
1. Recpt 1	1.5	1.1	.2	.2	.0	.2	.0	.0
2. Recpt 2	.2	1.8	.0	.1	.0	.1	.0	.0
3. Recpt 3	.0	.0	.0	.0	.2	.0	.0	.0
4. Recpt 4	.5	.0	.0	.2	.0	.0	.0	.0
5. Recpt 5	.0	.0	.0	.0	.3	.0	.0	.0
6. Recpt 6	.0	.0	.0	.0	.1	.0	.0	.0
7. Recpt 7	.7	.8	.0	.0	.0	.5	.0	.0
8. Recpt 8	1.3	.0	.4	.1	.0	.1	.0	.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: Intersection 2, Alternative 2
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

 I.  SITE VARIABLES

       U=    .5 M/S            Z0= 100. CM           ALT=    26. (M)
     BRG= WORST CASE           VD=   .0 CM/S
    CLAS=     7 (G)            VS=   .0 CM/S
    MIXH= 1000. M             AMB=   .0 PPM
   SIGTH=    5. DEGREES       TEMP=  5.0 DEGREE (C)

 II.  LINK VARIABLES

     LINK      *  LINK COORDINATES (M)   *              EF     H     W
  DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
----------------*-------------------------*------------------------------
A. Link A       * 39795 ***** 39795 ***** *  AG   1870   8.7     .0  15.0
B. Link B       * 39795 ***** 39795 ***** *  AG   1870   8.7     .0  15.0
C. Link C       * 39797 ***** 39797 ***** *  AG    420   8.7     .0  10.0
D. Link D       * 39790 ***** 39790 ***** *  AG    430   8.7     .0  12.0
E. Link E       * 39623 ***** 39770 ***** *  AG   1440   8.7     .0  12.0
F. Link F       * 39770 ***** 39911 ***** *  AG   1440   8.7     .0  12.0
G. Link G       * 39701 ***** 39751 ***** *  AG    190   8.7     .0  10.0
H. Link H       * 39690 ***** 39751 ***** *  AG    450   8.7     .0  12.0
I. Link I       * 39764 ***** 39764 ***** *  AG   1470   8.7     .0  15.0
J. Link J       * 39764 ***** 39764 ***** *  AG   1470   8.7     .0  15.0
K. Link K       * 39759 ***** 39759 ***** *  AG    550   8.7     .0  10.0
L. Link L       * 39771 ***** 39771 ***** *  AG    610   8.7     .0  12.0
M. Link M       * 39900 ***** 39780 ***** *  AG    870   8.7     .0  12.0
N. Link N       * 39780 ***** 39627 ***** *  AG    870   8.7     .0  12.0
O. Link O       * 39841 ***** 39796 ***** *  AG    400   8.7     .0  10.0
P. Link P       * 39901 ***** 39798 ***** *  AG    400   8.7     .0  12.0
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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   2

     JOB: Intersection 2, Alternative 2
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
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III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Recpt 1	39759	286279	1.8
2. Recpt 2	39755	286202	1.8
3. Recpt 3	39797	286288	1.8
4. Recpt 4	39805	286216	1.8
5. Recpt 5	39793	286342	1.8
6. Recpt 6	39790	286405	1.8
7. Recpt 7	39755	286329	1.8
8. Recpt 8	39753	286393	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Recpt 1	3.	3.8	.0	.0	.0	.0	.5	.0	.0	.0
2. Recpt 2	8.	2.8	.0	.3	.0	.0	.1	.0	.0	.0
3. Recpt 3	359.	4.4	1.1	2.2	.0	.0	.0	.8	.0	.0
4. Recpt 4	347.	3.4	1.6	.0	.4	.2	.0	.2	.0	.0
5. Recpt 5	179.	4.4	1.7	1.6	.2	.3	.0	.3	.0	.0
6. Recpt 6	178.	4.1	.9	2.6	.1	.2	.0	.2	.0	.0
7. Recpt 7	163.	3.0	.6	.0	.0	.2	.3	.0	.0	.0
8. Recpt 8	166.	3.0	.6	.0	.0	.2	.0	.2	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Intersection 2, Alternative 2
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P
1. Recpt 1	1.5	1.1	.2	.3	.0	.2	.0	.0
2. Recpt 2	.2	1.7	.0	.1	.0	.1	.0	.0
3. Recpt 3	.0	.0	.0	.0	.2	.0	.0	.0
4. Recpt 4	.5	.0	.0	.2	.0	.0	.0	.0
5. Recpt 5	.0	.0	.0	.0	.3	.0	.0	.0
6. Recpt 6	.0	.0	.0	.0	.1	.0	.0	.0
7. Recpt 7	.7	.8	.0	.0	.0	.5	.0	.0
8. Recpt 8	1.3	.0	.4	.1	.0	.1	.0	.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: Intersection 2, Alternative 3
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

 I.  SITE VARIABLES

       U=    .5 M/S            Z0= 100. CM           ALT=    26. (M)
     BRG= WORST CASE           VD=   .0 CM/S
    CLAS=     7 (G)            VS=   .0 CM/S
    MIXH= 1000. M             AMB=   .0 PPM
   SIGTH=    5. DEGREES       TEMP=  5.0 DEGREE (C)

 II.  LINK VARIABLES

     LINK      *  LINK COORDINATES (M)   *              EF     H     W
  DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
----------------*-------------------------*------------------------------
A. Link A       * 39795 ***** 39795 ***** *  AG   1860   8.7     .0  15.0
B. Link B       * 39795 ***** 39795 ***** *  AG   1860   8.7     .0  15.0
C. Link C       * 39797 ***** 39797 ***** *  AG    420   8.7     .0  10.0
D. Link D       * 39790 ***** 39790 ***** *  AG    430   8.7     .0  12.0
E. Link E       * 39623 ***** 39770 ***** *  AG   1390   8.7     .0  12.0
F. Link F       * 39770 ***** 39911 ***** *  AG   1390   8.7     .0  12.0
G. Link G       * 39701 ***** 39751 ***** *  AG    190   8.7     .0  10.0
H. Link H       * 39690 ***** 39751 ***** *  AG    490   8.7     .0  12.0
I. Link I       * 39764 ***** 39764 ***** *  AG   1500   8.7     .0  15.0
J. Link J       * 39764 ***** 39764 ***** *  AG   1500   8.7     .0  15.0
K. Link K       * 39759 ***** 39759 ***** *  AG    550   8.7     .0  10.0
L. Link L       * 39771 ***** 39771 ***** *  AG    540   8.7     .0  12.0
M. Link M       * 39900 ***** 39780 ***** *  AG    850   8.7     .0  12.0
N. Link N       * 39780 ***** 39627 ***** *  AG    850   8.7     .0  12.0
O. Link O       * 39841 ***** 39796 ***** *  AG    380   8.7     .0  10.0
P. Link P       * 39901 ***** 39798 ***** *  AG    390   8.7     .0  12.0
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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   2

     JOB: Intersection 2, Alternative 3
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
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Page 1

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Recpt 1	39759	286279	1.8
2. Recpt 2	39755	286202	1.8
3. Recpt 3	39797	286288	1.8
4. Recpt 4	39805	286216	1.8
5. Recpt 5	39793	286342	1.8
6. Recpt 6	39790	286405	1.8
7. Recpt 7	39755	286329	1.8
8. Recpt 8	39753	286393	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Recpt 1	3.	3.8	.0	.0	.0	.0	.5	.0	.0	.0
2. Recpt 2	8.	2.8	.0	.3	.0	.0	.1	.0	.0	.0
3. Recpt 3	359.	4.4	1.1	2.2	.0	.0	.0	.8	.0	.0
4. Recpt 4	347.	3.3	1.6	.0	.4	.2	.0	.2	.0	.0
5. Recpt 5	179.	4.3	1.7	1.6	.2	.3	.0	.3	.0	.0
6. Recpt 6	178.	4.1	.9	2.6	.1	.2	.0	.2	.0	.0
7. Recpt 7	163.	3.0	.5	.0	.0	.2	.3	.0	.0	.0
8. Recpt 8	166.	3.0	.6	.0	.0	.2	.0	.2	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Intersection 2, Alternative 3
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P
1. Recpt 1	1.5	1.2	.2	.2	.0	.2	.0	.0
2. Recpt 2	.2	1.8	.0	.1	.0	.1	.0	.0
3. Recpt 3	.0	.0	.0	.0	.2	.0	.0	.0
4. Recpt 4	.5	.0	.0	.2	.0	.0	.0	.0
5. Recpt 5	.0	.0	.0	.0	.3	.0	.0	.0
6. Recpt 6	.0	.0	.0	.0	.1	.0	.0	.0
7. Recpt 7	.7	.8	.0	.0	.0	.5	.0	.0
8. Recpt 8	1.3	.0	.4	.0	.0	.1	.0	.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: Intersection 2, Alternative 4
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

 I.  SITE VARIABLES

       U=    .5 M/S            Z0= 100. CM           ALT=    26. (M)
     BRG= WORST CASE           VD=   .0 CM/S
    CLAS=     7 (G)            VS=   .0 CM/S
    MIXH= 1000. M             AMB=   .0 PPM
   SIGTH=    5. DEGREES       TEMP=  5.0 DEGREE (C)

 II.  LINK VARIABLES

     LINK      *  LINK COORDINATES (M)   *              EF     H     W
  DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
----------------*-------------------------*------------------------------
A. Link A       * 39795 ***** 39795 ***** *  AG   1870   8.7     .0  15.0
B. Link B       * 39795 ***** 39795 ***** *  AG   1870   8.7     .0  15.0
C. Link C       * 39797 ***** 39797 ***** *  AG    420   8.7     .0  10.0
D. Link D       * 39790 ***** 39790 ***** *  AG    430   8.7     .0  12.0
E. Link E       * 39623 ***** 39770 ***** *  AG   1440   8.7     .0  12.0
F. Link F       * 39770 ***** 39911 ***** *  AG   1440   8.7     .0  12.0
G. Link G       * 39701 ***** 39751 ***** *  AG    190   8.7     .0  10.0
H. Link H       * 39690 ***** 39751 ***** *  AG    450   8.7     .0  12.0
I. Link I       * 39764 ***** 39764 ***** *  AG   1500   8.7     .0  15.0
J. Link J       * 39764 ***** 39764 ***** *  AG   1500   8.7     .0  15.0
K. Link K       * 39759 ***** 39759 ***** *  AG    460   8.7     .0  10.0
L. Link L       * 39771 ***** 39771 ***** *  AG    620   8.7     .0  12.0
M. Link M       * 39900 ***** 39780 ***** *  AG    940   8.7     .0  12.0
N. Link N       * 39780 ***** 39627 ***** *  AG    940   8.7     .0  12.0
O. Link O       * 39841 ***** 39796 ***** *  AG    420   8.7     .0  10.0
P. Link P       * 39901 ***** 39798 ***** *  AG    390   8.7     .0  12.0
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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   2

     JOB: Intersection 2, Alternative 4
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
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III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Recpt 1	39759	286279	1.8
2. Recpt 2	39755	286202	1.8
3. Recpt 3	39797	286288	1.8
4. Recpt 4	39805	286216	1.8
5. Recpt 5	39793	286342	1.8
6. Recpt 6	39790	286405	1.8
7. Recpt 7	39755	286329	1.8
8. Recpt 8	39753	286393	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Recpt 1	3.	3.8	.0	.0	.0	.0	.5	.0	.0	.0
2. Recpt 2	8.	2.8	.0	.3	.0	.0	.1	.0	.0	.0
3. Recpt 3	359.	4.4	1.1	2.2	.0	.0	.0	.8	.0	.0
4. Recpt 4	347.	3.4	1.6	.0	.4	.2	.0	.2	.0	.0
5. Recpt 5	179.	4.4	1.7	1.6	.2	.3	.0	.3	.0	.0
6. Recpt 6	178.	4.1	.9	2.6	.1	.2	.0	.2	.0	.0
7. Recpt 7	94.	3.2	.0	.4	.0	.0	.0	.0	.0	.0
8. Recpt 8	166.	3.0	.6	.0	.0	.2	.0	.2	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Intersection 2, Alternative 4
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P
1. Recpt 1	1.5	1.2	.2	.3	.0	.2	.0	.0
2. Recpt 2	.2	1.8	.0	.1	.0	.1	.0	.0
3. Recpt 3	.0	.0	.0	.0	.2	.0	.0	.0
4. Recpt 4	.5	.0	.0	.2	.0	.0	.0	.0
5. Recpt 5	.0	.0	.0	.0	.3	.0	.0	.0
6. Recpt 6	.0	.0	.0	.0	.1	.0	.0	.0
7. Recpt 7	.7	.0	.0	.0	1.0	.8	.1	.1
8. Recpt 8	1.3	.0	.3	.1	.0	.2	.0	.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: Intersection 3, Alternative 1
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

 I.  SITE VARIABLES

       U=    .5 M/S            Z0= 100. CM           ALT=    49. (M)
     BRG= WORST CASE           VD=   .0 CM/S
    CLAS=     7 (G)            VS=   .0 CM/S
    MIXH= 1000. M             AMB=   .0 PPM
   SIGTH=    5. DEGREES       TEMP=  5.0 DEGREE (C)

 II.  LINK VARIABLES

     LINK      *  LINK COORDINATES (M)   *              EF     H     W
  DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
----------------*-------------------------*-------------------------------
A. Link A       * 48611 ***** 48611 ***** *  AG   1080   8.7     .0  12.0
B. Link B       * 48611 ***** 48611 ***** *  AG   1080   8.7     .0  12.0
C. Link C       * 48613 ***** 48613 ***** *  AG    280   8.7     .0  10.0
D. Link D       * 48603 ***** 48603 ***** *  AG   1560   8.7     .0  12.0
E. Link E       * 48485 ***** 48592 ***** *  AG   1480   8.7     .0  12.0
F. Link F       * 48592 ***** 48745 ***** *  AG   1480   8.7     .0  12.0
G. Link G       * 48537 ***** 48581 ***** *  AG   1630   8.7     .0  12.0
H. Link H       * 48517 ***** 48579 ***** *  AG    220   8.7     .0  12.0
I. Link I       * 48589 ***** 48589 ***** *  AG   1170   8.7     .0  15.0
J. Link J       * 48589 ***** 48589 ***** *  AG   1170   8.7     .0  15.0
K. Link K       * 48584 ***** 48584 ***** *  AG    280   8.7     .0  10.0
L. Link L       * 48597 ***** 48597 ***** *  AG    310   8.7     .0  12.0
M. Link M       * 48733 ***** 48599 ***** *  AG   1540   8.7     .0  12.0
N. Link N       * 48599 ***** 48477 ***** *  AG   1540   8.7     .0  12.0
O. Link O       * 48651 ***** 48618 ***** *  AG    220   8.7     .0  10.0
P. Link P       * 48682 ***** 48617 ***** *  AG    380   8.7     .0  12.0
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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   2

     JOB: Intersection 3, Alternative 1
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
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III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Recpt 1	48578	288100	1.8
2. Recpt 2	48580	288043	1.8
3. Recpt 3	48620	288110	1.8
4. Recpt 4	48621	288049	1.8
5. Recpt 5	48617	288153	1.8
6. Recpt 6	48618	288253	1.8
7. Recpt 7	48575	288152	1.8
8. Recpt 8	48583	288230	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Recpt 1	10.	2.8	.0	.3	.0	.0	.5	.0	.5	.0
2. Recpt 2	26.	2.5	.4	.0	.0	.6	.0	.2	.0	.0
3. Recpt 3	279.	3.3	.5	.0	.0	.2	1.1	.1	.6	.1
4. Recpt 4	340.	2.7	.9	.0	.3	.6	.0	.2	.0	.0
5. Recpt 5	189.	3.5	.9	.8	.1	.8	.0	.4	.0	.0
6. Recpt 6	186.	2.8	.2	1.7	.0	.3	.0	.2	.0	.0
7. Recpt 7	158.	2.7	.4	.0	.0	.6	.3	.0	.0	.0
8. Recpt 8	172.	3.1	.3	.0	.0	.4	.0	.2	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Intersection 3, Alternative 1
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P
1. Recpt 1	.8	.3	.0	.0	.0	.3	.0	.0
2. Recpt 2	.0	1.0	.0	.0	.2	.0	.0	.0
3. Recpt 3	.0	.3	.0	.0	.0	.2	.0	.0
4. Recpt 4	.3	.2	.0	.0	.0	.2	.0	.0
5. Recpt 5	.0	.0	.0	.0	.5	.0	.0	.0
6. Recpt 6	.0	.2	.0	.0	.2	.0	.0	.0
7. Recpt 7	.1	.6	.0	.0	.0	.6	.0	.0
8. Recpt 8	1.6	.1	.0	.0	.0	.2	.0	.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: Intersection 3, Alternative 2
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

 I.  SITE VARIABLES

       U=    .5 M/S            Z0= 100. CM           ALT=    49. (M)
     BRG= WORST CASE           VD=   .0 CM/S
    CLAS=     7 (G)            VS=   .0 CM/S
    MIXH= 1000. M             AMB=   .0 PPM
   SIGTH=    5. DEGREES       TEMP=  5.0 DEGREE (C)

 II.  LINK VARIABLES

     LINK      *  LINK COORDINATES (M)   *              EF     H     W
  DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
----------------*-------------------------*------------------------------
A. Link A       * 48611 ***** 48611 ***** *  AG   1060   8.7     .0  12.0
B. Link B       * 48611 ***** 48611 ***** *  AG   1060   8.7     .0  12.0
C. Link C       * 48613 ***** 48613 ***** *  AG    270   8.7     .0  10.0
D. Link D       * 48603 ***** 48603 ***** *  AG   1610   8.7     .0  12.0
E. Link E       * 48485 ***** 48592 ***** *  AG   1500   8.7     .0  12.0
F. Link F       * 48592 ***** 48745 ***** *  AG   1500   8.7     .0  12.0
G. Link G       * 48537 ***** 48581 ***** *  AG   1580   8.7     .0  12.0
H. Link H       * 48517 ***** 48579 ***** *  AG    220   8.7     .0  12.0
I. Link I       * 48589 ***** 48589 ***** *  AG   1190   8.7     .0  15.0
J. Link J       * 48589 ***** 48589 ***** *  AG   1190   8.7     .0  15.0
K. Link K       * 48584 ***** 48584 ***** *  AG    250   8.7     .0  10.0
L. Link L       * 48597 ***** 48597 ***** *  AG    310   8.7     .0  12.0
M. Link M       * 48733 ***** 48599 ***** *  AG   1580   8.7     .0  12.0
N. Link N       * 48599 ***** 48477 ***** *  AG   1580   8.7     .0  12.0
O. Link O       * 48651 ***** 48618 ***** *  AG    210   8.7     .0  10.0
P. Link P       * 48682 ***** 48617 ***** *  AG    380   8.7     .0  12.0
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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   2

     JOB: Intersection 3, Alternative 2
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
```

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Recpt 1	48578	288100	1.8
2. Recpt 2	48580	288043	1.8
3. Recpt 3	48620	288110	1.8
4. Recpt 4	48621	288049	1.8
5. Recpt 5	48617	288153	1.8
6. Recpt 6	48618	288253	1.8
7. Recpt 7	48575	288152	1.8
8. Recpt 8	48583	288230	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Recpt 1	10.	2.9	.0	.3	.0	.0	.5	.0	.4	.0
2. Recpt 2	26.	2.6	.4	.0	.0	.6	.0	.2	.0	.0
3. Recpt 3	279.	3.3	.5	.0	.0	.2	1.2	.1	.6	.1
4. Recpt 4	340.	2.7	.8	.0	.3	.7	.0	.2	.0	.0
5. Recpt 5	189.	3.5	.9	.8	.1	.8	.0	.4	.0	.0
6. Recpt 6	186.	2.8	.2	1.6	.0	.3	.0	.2	.0	.0
7. Recpt 7	158.	2.7	.3	.0	.0	.6	.4	.0	.0	.0
8. Recpt 8	172.	3.1	.3	.0	.0	.4	.0	.2	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Intersection 3, Alternative 2
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P
1. Recpt 1	.8	.3	.0	.0	.0	.3	.0	.0
2. Recpt 2	.0	1.0	.0	.0	.2	.0	.0	.0
3. Recpt 3	.0	.3	.0	.0	.0	.2	.0	.0
4. Recpt 4	.3	.2	.0	.0	.0	.2	.0	.0
5. Recpt 5	.0	.0	.0	.0	.6	.0	.0	.0
6. Recpt 6	.0	.2	.0	.0	.2	.0	.0	.0
7. Recpt 7	.1	.6	.0	.0	.0	.6	.0	.0
8. Recpt 8	1.6	.1	.0	.0	.0	.2	.0	.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: Intersection 3, Alternative 3
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

 I.  SITE VARIABLES

       U=    .5 M/S            Z0= 100. CM           ALT=    49. (M)
     BRG= WORST CASE           VD=   .0 CM/S
    CLAS=     7 (G)            VS=   .0 CM/S
    MIXH= 1000. M             AMB=   .0 PPM
   SIGTH=    5. DEGREES       TEMP=  5.0 DEGREE (C)

 II.  LINK VARIABLES

     LINK      *  LINK COORDINATES (M)   *              EF     H     W
  DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
----------------*-------------------------*-------------------------------
A. Link A       * 48611 ***** 48611 ***** *  AG   1080   8.7     .0  12.0
B. Link B       * 48611 ***** 48611 ***** *  AG   1080   8.7     .0  12.0
C. Link C       * 48613 ***** 48613 ***** *  AG    280   8.7     .0  10.0
D. Link D       * 48603 ***** 48603 ***** *  AG   1560   8.7     .0  12.0
E. Link E       * 48485 ***** 48592 ***** *  AG   1520   8.7     .0  12.0
F. Link F       * 48592 ***** 48745 ***** *  AG   1520   8.7     .0  12.0
G. Link G       * 48537 ***** 48581 ***** *  AG   1600   8.7     .0  12.0
H. Link H       * 48517 ***** 48579 ***** *  AG    210   8.7     .0  12.0
I. Link I       * 48589 ***** 48589 ***** *  AG   1190   8.7     .0  15.0
J. Link J       * 48589 ***** 48589 ***** *  AG   1190   8.7     .0  15.0
K. Link K       * 48584 ***** 48584 ***** *  AG    270   8.7     .0  10.0
L. Link L       * 48597 ***** 48597 ***** *  AG    300   8.7     .0  12.0
M. Link M       * 48733 ***** 48599 ***** *  AG   1540   8.7     .0  12.0
N. Link N       * 48599 ***** 48477 ***** *  AG   1540   8.7     .0  12.0
O. Link O       * 48651 ***** 48618 ***** *  AG    210   8.7     .0  10.0
P. Link P       * 48682 ***** 48617 ***** *  AG    380   8.7     .0  12.0
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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   2

     JOB: Intersection 3, Alternative 3
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
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III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Recpt 1	48578	288100	1.8
2. Recpt 2	48580	288043	1.8
3. Recpt 3	48620	288110	1.8
4. Recpt 4	48621	288049	1.8
5. Recpt 5	48617	288153	1.8
6. Recpt 6	48618	288253	1.8
7. Recpt 7	48575	288152	1.8
8. Recpt 8	48583	288230	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Recpt 1	10.	2.9	.0	.3	.0	.0	.5	.0	.4	.0
2. Recpt 2	26.	2.6	.4	.0	.0	.6	.0	.2	.0	.0
3. Recpt 3	279.	3.3	.5	.0	.0	.2	1.2	.1	.6	.1
4. Recpt 4	340.	2.8	.9	.0	.3	.6	.0	.2	.0	.0
5. Recpt 5	189.	3.5	.9	.8	.1	.8	.0	.4	.0	.0
6. Recpt 6	186.	2.8	.2	1.7	.0	.3	.0	.2	.0	.0
7. Recpt 7	158.	2.7	.4	.0	.0	.6	.4	.0	.0	.0
8. Recpt 8	172.	3.1	.3	.0	.0	.4	.0	.2	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Intersection 3, Alternative 3
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P
1. Recpt 1	.8	.3	.0	.0	.0	.3	.0	.0
2. Recpt 2	.0	1.0	.0	.0	.2	.0	.0	.0
3. Recpt 3	.0	.3	.0	.0	.0	.2	.0	.0
4. Recpt 4	.3	.2	.0	.0	.0	.2	.0	.0
5. Recpt 5	.0	.0	.0	.0	.5	.0	.0	.0
6. Recpt 6	.0	.2	.0	.0	.2	.0	.0	.0
7. Recpt 7	.1	.6	.0	.0	.0	.6	.0	.0
8. Recpt 8	1.6	.1	.0	.0	.0	.2	.0	.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: Intersection 3, Alternative 4
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

 I.  SITE VARIABLES

       U=    .5 M/S            Z0= 100. CM           ALT=    49. (M)
     BRG= WORST CASE           VD=   .0 CM/S
    CLAS=     7 (G)            VS=   .0 CM/S
    MIXH= 1000. M             AMB=   .0 PPM
   SIGTH=    5. DEGREES       TEMP=  5.0 DEGREE (C)

 II.  LINK VARIABLES

     LINK      *  LINK COORDINATES (M)   *              EF     H     W
  DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
----------------*-------------------------*-------------------------------
A. Link A       * 48611 ***** 48611 ***** *  AG   1080   8.7     .0  12.0
B. Link B       * 48611 ***** 48611 ***** *  AG   1080   8.7     .0  12.0
C. Link C       * 48613 ***** 48613 ***** *  AG    280   8.7     .0  10.0
D. Link D       * 48603 ***** 48603 ***** *  AG   1510   8.7     .0  12.0
E. Link E       * 48485 ***** 48592 ***** *  AG   1510   8.7     .0  12.0
F. Link F       * 48592 ***** 48745 ***** *  AG   1510   8.7     .0  12.0
G. Link G       * 48537 ***** 48581 ***** *  AG   1570   8.7     .0  12.0
H. Link H       * 48517 ***** 48579 ***** *  AG    200   8.7     .0  12.0
I. Link I       * 48589 ***** 48589 ***** *  AG   1190   8.7     .0  15.0
J. Link J       * 48589 ***** 48589 ***** *  AG   1190   8.7     .0  15.0
K. Link K       * 48584 ***** 48584 ***** *  AG    260   8.7     .0  10.0
L. Link L       * 48597 ***** 48597 ***** *  AG    290   8.7     .0  12.0
M. Link M       * 48733 ***** 48599 ***** *  AG   1590   8.7     .0  12.0
N. Link N       * 48599 ***** 48477 ***** *  AG   1590   8.7     .0  12.0
O. Link O       * 48651 ***** 48618 ***** *  AG    200   8.7     .0  10.0
P. Link P       * 48682 ***** 48617 ***** *  AG    380   8.7     .0  12.0
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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   2

     JOB: Intersection 3, Alternative 4
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
```

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Recpt 1	48578	288100	1.8
2. Recpt 2	48580	288043	1.8
3. Recpt 3	48620	288110	1.8
4. Recpt 4	48621	288049	1.8
5. Recpt 5	48617	288153	1.8
6. Recpt 6	48618	288253	1.8
7. Recpt 7	48575	288152	1.8
8. Recpt 8	48583	288230	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Recpt 1	10.	2.9	.0	.3	.0	.0	.5	.0	.4	.0
2. Recpt 2	26.	2.6	.4	.0	.0	.6	.0	.2	.0	.0
3. Recpt 3	279.	3.3	.5	.0	.0	.2	1.2	.1	.6	.1
4. Recpt 4	340.	2.7	.9	.0	.3	.6	.0	.2	.0	.0
5. Recpt 5	189.	3.5	.9	.8	.1	.8	.0	.4	.0	.0
6. Recpt 6	186.	2.8	.2	1.7	.0	.3	.0	.2	.0	.0
7. Recpt 7	158.	2.7	.4	.0	.0	.6	.4	.0	.0	.0
8. Recpt 8	172.	3.1	.3	.0	.0	.4	.0	.2	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Intersection 3, Alternative 4
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P
1. Recpt 1	.8	.3	.0	.0	.0	.3	.0	.0
2. Recpt 2	.0	1.0	.0	.0	.2	.0	.0	.0
3. Recpt 3	.0	.3	.0	.0	.0	.2	.0	.0
4. Recpt 4	.3	.2	.0	.0	.0	.2	.0	.0
5. Recpt 5	.0	.0	.0	.0	.6	.0	.0	.0
6. Recpt 6	.0	.2	.0	.0	.2	.0	.0	.0
7. Recpt 7	.1	.6	.0	.0	.0	.6	.0	.0
8. Recpt 8	1.6	.1	.0	.0	.0	.2	.0	.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: Intersection 4 Alt 1
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
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I. SITE VARIABLES

```
     U=    .5 M/S            Z0= 100. CM           ALT=    29. (M)
   BRG= WORST CASE           VD=   .0 CM/S
  CLAS=     7 (G)            VS=   .0 CM/S
  MIXH= 1000. M             AMB=   .0 PPM
 SIGTH=    5. DEGREES       TEMP=  5.0 DEGREE (C)
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II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Link A	40626	*****	40626	*****	AG	1930	8.7	.0	12.0
B. Link B	40626	*****	40626	*****	AG	1930	8.7	.0	12.0
C. Link C	40634	*****	40634	*****	AG	930	8.7	.0	10.0
D. Link D	40620	*****	40620	*****	AG	160	8.7	.0	10.0
E. Link E	40512	*****	40617	*****	AG	690	8.7	.0	12.0
F. Link F	40617	*****	40735	*****	AG	690	8.7	.0	12.0
G. Link G	40563	*****	40605	*****	AG	100	8.7	.0	10.0
H. Link H	40560	*****	40605	*****	AG	220	8.7	.0	10.0
I. Link I	40610	*****	40610	*****	AG	1590	8.7	.0	12.0
J. Link J	40610	*****	40610	*****	AG	1590	8.7	.0	12.0
K. Link K	40605	*****	40605	*****	AG	100	8.7	.0	10.0
L. Link L	40617	*****	40617	*****	AG	230	8.7	.0	10.0
M. Link M	40735	*****	40621	*****	AG	320	8.7	.0	10.0
N. Link N	40621	*****	40510	*****	AG	320	8.7	.0	10.0
O. Link O	40694	*****	40632	*****	AG	290	8.7	.0	10.0
P. Link P	40693	*****	40633	*****	AG	340	8.7	.0	10.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   2

     JOB: Intersection 4 Alt 1
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
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Page 1

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Recpt 1	40600	285170	1.8
2. Recpt 2	40601	285114	1.8
3. Recpt 3	40639	285164	1.8
4. Recpt 4	40638	285110	1.8
5. Recpt 5	40637	285208	1.8
6. Recpt 6	40632	285312	1.8
7. Recpt 7	40598	285209	1.8
8. Recpt 8	40600	285306	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Recpt 1	14.	2.6	.0	.7	.0	.0	.3	.0	.0	.0
2. Recpt 2	10.	2.5	.0	.7	.0	.0	.1	.0	.0	.0
3. Recpt 3	346.	2.8	.0	1.2	.4	.0	.0	.2	.0	.0
4. Recpt 4	350.	3.3	.9	.5	1.0	.0	.0	.1	.0	.0
5. Recpt 5	191.	2.6	1.4	.0	.2	.1	.0	.2	.0	.0
6. Recpt 6	186.	4.1	.3	3.0	.0	.0	.0	.0	.0	.0
7. Recpt 7	154.	2.3	.6	.0	.3	.0	.2	.0	.0	.0
8. Recpt 8	169.	2.7	.5	.3	.2	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Intersection 4 Alt 1
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P
1. Recpt 1	1.0	.3	.0	.1	.0	.1	.0	.0
2. Recpt 2	.3	1.2	.0	.0	.0	.0	.0	.0
3. Recpt 3	.6	.0	.0	.0	.0	.0	.0	.0
4. Recpt 4	.6	.0	.0	.0	.0	.0	.0	.0
5. Recpt 5	.0	.3	.0	.0	.1	.0	.1	.0
6. Recpt 6	.0	.5	.0	.0	.0	.0	.0	.0
7. Recpt 7	.2	.8	.0	.0	.0	.1	.0	.0
8. Recpt 8	1.3	.0	.0	.1	.0	.0	.0	.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: Intersection 4 Alt 2
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

 I.  SITE VARIABLES

       U=    .5 M/S            Z0= 100. CM           ALT=    29. (M)
     BRG= WORST CASE           VD=   .0 CM/S
    CLAS=     7 (G)            VS=   .0 CM/S
    MIXH= 1000. M             AMB=   .0 PPM
   SIGTH=    5. DEGREES       TEMP=  5.0 DEGREE (C)

 II.  LINK VARIABLES

     LINK      *  LINK COORDINATES (M)   *              EF     H     W
  DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
----------------*-------------------------*------------------------------
A. Link A       * 40626 ***** 40626 ***** *  AG   1870   8.7     .0  12.0
B. Link B       * 40626 ***** 40626 ***** *  AG   1870   8.7     .0  12.0
C. Link C       * 40634 ***** 40634 ***** *  AG    980   8.7     .0  10.0
D. Link D       * 40620 ***** 40620 ***** *  AG    150   8.7     .0  10.0
E. Link E       * 40512 ***** 40617 ***** *  AG    660   8.7     .0  12.0
F. Link F       * 40617 ***** 40735 ***** *  AG    660   8.7     .0  12.0
G. Link G       * 40563 ***** 40605 ***** *  AG    110   8.7     .0  10.0
H. Link H       * 40560 ***** 40605 ***** *  AG    220   8.7     .0  10.0
I. Link I       * 40610 ***** 40610 ***** *  AG   1560   8.7     .0  12.0
J. Link J       * 40610 ***** 40610 ***** *  AG   1560   8.7     .0  12.0
K. Link K       * 40605 ***** 40605 ***** *  AG    100   8.7     .0  10.0
L. Link L       * 40617 ***** 40617 ***** *  AG    230   8.7     .0  10.0
M. Link M       * 40735 ***** 40621 ***** *  AG    320   8.7     .0  10.0
N. Link N       * 40621 ***** 40510 ***** *  AG    320   8.7     .0  10.0
O. Link O       * 40694 ***** 40632 ***** *  AG    290   8.7     .0  10.0
P. Link P       * 40693 ***** 40633 ***** *  AG    340   8.7     .0  10.0
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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   2

     JOB: Intersection 4 Alt 2
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
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III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Recpt 1	40600	285170	1.8
2. Recpt 2	40601	285114	1.8
3. Recpt 3	40639	285164	1.8
4. Recpt 4	40638	285110	1.8
5. Recpt 5	40637	285208	1.8
6. Recpt 6	40632	285312	1.8
7. Recpt 7	40598	285209	1.8
8. Recpt 8	40600	285306	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Recpt 1	14.	2.6	.0	.7	.0	.0	.2	.0	.0	.0
2. Recpt 2	10.	2.5	.0	.7	.0	.0	.0	.0	.0	.0
3. Recpt 3	346.	2.8	.0	1.2	.4	.0	.0	.2	.0	.0
4. Recpt 4	350.	3.3	.9	.5	1.0	.0	.0	.1	.0	.0
5. Recpt 5	190.	2.5	1.4	.0	.3	.0	.0	.2	.0	.0
6. Recpt 6	186.	4.0	.3	3.0	.0	.0	.0	.0	.0	.0
7. Recpt 7	154.	2.3	.6	.0	.3	.0	.2	.0	.0	.0
8. Recpt 8	169.	2.6	.5	.3	.2	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Intersection 4 Alt 2
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P
1. Recpt 1	1.0	.3	.0	.1	.0	.1	.0	.0
2. Recpt 2	.3	1.2	.0	.0	.0	.0	.0	.0
3. Recpt 3	.6	.0	.0	.0	.0	.0	.0	.0
4. Recpt 4	.6	.0	.0	.0	.0	.0	.0	.0
5. Recpt 5	.0	.2	.0	.0	.1	.0	.1	.0
6. Recpt 6	.0	.5	.0	.0	.0	.0	.0	.0
7. Recpt 7	.2	.7	.0	.0	.0	.1	.0	.0
8. Recpt 8	1.3	.0	.0	.1	.0	.0	.0	.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: Intersection 4 Alt 3
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
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I. SITE VARIABLES

```
     U=    .5 M/S            Z0= 100. CM           ALT=    29. (M)
   BRG= WORST CASE           VD=   .0 CM/S
  CLAS=     7 (G)            VS=   .0 CM/S
  MIXH= 1000. M             AMB=   .0 PPM
 SIGTH=    5. DEGREES       TEMP=  5.0 DEGREE (C)
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II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Link A	40626	*****	40626	*****	AG	1900	8.7	.0	12.0
B. Link B	40626	*****	40626	*****	AG	1900	8.7	.0	12.0
C. Link C	40634	*****	40634	*****	AG	980	8.7	.0	10.0
D. Link D	40620	*****	40620	*****	AG	140	8.7	.0	10.0
E. Link E	40512	*****	40617	*****	AG	660	8.7	.0	12.0
F. Link F	40617	*****	40735	*****	AG	660	8.7	.0	12.0
G. Link G	40563	*****	40605	*****	AG	120	8.7	.0	10.0
H. Link H	40560	*****	40605	*****	AG	220	8.7	.0	10.0
I. Link I	40610	*****	40610	*****	AG	1580	8.7	.0	12.0
J. Link J	40610	*****	40610	*****	AG	1580	8.7	.0	12.0
K. Link K	40605	*****	40605	*****	AG	100	8.7	.0	10.0
L. Link L	40617	*****	40617	*****	AG	230	8.7	.0	10.0
M. Link M	40735	*****	40621	*****	AG	320	8.7	.0	10.0
N. Link N	40621	*****	40510	*****	AG	320	8.7	.0	10.0
O. Link O	40694	*****	40632	*****	AG	290	8.7	.0	10.0
P. Link P	40693	*****	40633	*****	AG	340	8.7	.0	10.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   2

     JOB: Intersection 4 Alt 3
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
```

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Recpt 1	40600	285170	1.8
2. Recpt 2	40601	285114	1.8
3. Recpt 3	40639	285164	1.8
4. Recpt 4	40638	285110	1.8
5. Recpt 5	40637	285208	1.8
6. Recpt 6	40632	285312	1.8
7. Recpt 7	40598	285209	1.8
8. Recpt 8	40600	285306	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Recpt 1	14.	2.6	.0	.7	.0	.0	.2	.0	.0	.0
2. Recpt 2	10.	2.5	.0	.7	.0	.0	.0	.0	.0	.0
3. Recpt 3	346.	2.8	.0	1.2	.4	.0	.0	.2	.0	.0
4. Recpt 4	350.	3.3	.9	.5	1.0	.0	.0	.1	.0	.0
5. Recpt 5	190.	2.6	1.4	.0	.3	.0	.0	.2	.0	.0
6. Recpt 6	186.	4.0	.3	3.0	.0	.0	.0	.0	.0	.0
7. Recpt 7	154.	2.3	.6	.0	.3	.0	.2	.0	.0	.0
8. Recpt 8	169.	2.7	.5	.3	.2	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: Intersection 4 Alt 3
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P
1. Recpt 1	1.0	.3	.0	.1	.0	.1	.0	.0
2. Recpt 2	.3	1.2	.0	.0	.0	.0	.0	.0
3. Recpt 3	.6	.0	.0	.0	.0	.0	.0	.0
4. Recpt 4	.6	.0	.0	.0	.0	.0	.0	.0
5. Recpt 5	.0	.2	.0	.0	.1	.0	.1	.0
6. Recpt 6	.0	.5	.0	.0	.0	.0	.0	.0
7. Recpt 7	.2	.7	.0	.0	.0	.1	.0	.0
8. Recpt 8	1.3	.0	.0	.1	.0	.0	.0	.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: Intersection 4 Alt 4
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
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I. SITE VARIABLES

```
      U=    .5 M/S            Z0= 100. CM           ALT=    29. (M)
    BRG= WORST CASE           VD=   .0 CM/S
   CLAS=     7 (G)            VS=   .0 CM/S
   MIXH= 1000. M             AMB=   .0 PPM
  SIGTH=    5. DEGREES       TEMP=  5.0 DEGREE (C)
```

II. LINK VARIABLES

LINK DESCRIPTION	* LINK COORDINATES (M) * X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Link A	* 40626	*****	40626	***** *	AG	1910	8.7	.0	12.0
B. Link B	* 40626	*****	40626	***** *	AG	1910	8.7	.0	12.0
C. Link C	* 40634	*****	40634	***** *	AG	970	8.7	.0	10.0
D. Link D	* 40620	*****	40620	***** *	AG	140	8.7	.0	10.0
E. Link E	* 40512	*****	40617	***** *	AG	680	8.7	.0	12.0
F. Link F	* 40617	*****	40735	***** *	AG	680	8.7	.0	12.0
G. Link G	* 40563	*****	40605	***** *	AG	90	8.7	.0	10.0
H. Link H	* 40560	*****	40605	***** *	AG	220	8.7	.0	10.0
I. Link I	* 40610	*****	40610	***** *	AG	1620	8.7	.0	12.0
J. Link J	* 40610	*****	40610	***** *	AG	1620	8.7	.0	12.0
K. Link K	* 40605	*****	40605	***** *	AG	90	8.7	.0	10.0
L. Link L	* 40617	*****	40617	***** *	AG	230	8.7	.0	10.0
M. Link M	* 40735	*****	40621	***** *	AG	320	8.7	.0	10.0
N. Link N	* 40621	*****	40510	***** *	AG	320	8.7	.0	10.0
O. Link O	* 40694	*****	40632	***** *	AG	290	8.7	.0	10.0
P. Link P	* 40693	*****	40633	***** *	AG	330	8.7	.0	10.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
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     JOB: Intersection 4 Alt 4
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
```

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Recpt 1	40600	285170	1.8
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6. Recpt 6	40632	285312	1.8
7. Recpt 7	40598	285209	1.8
8. Recpt 8	40600	285306	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Recpt 1	14.	2.6	.0	.7	.0	.0	.3	.0	.0	.0
2. Recpt 2	10.	2.5	.0	.7	.0	.0	.0	.0	.0	.0
3. Recpt 3	346.	2.8	.0	1.2	.4	.0	.0	.2	.0	.0
4. Recpt 4	350.	3.3	.9	.5	1.0	.0	.0	.1	.0	.0
5. Recpt 5	190.	2.6	1.4	.0	.3	.0	.0	.2	.0	.0
6. Recpt 6	187.	4.1	.2	3.0	.0	.0	.0	.0	.0	.0
7. Recpt 7	154.	2.3	.6	.0	.3	.0	.2	.0	.0	.0
8. Recpt 8	169.	2.7	.5	.3	.2	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
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PAGE 3

JOB: Intersection 4 Alt 4
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P
1. Recpt 1	1.0	.3	.0	.1	.0	.1	.0	.0
2. Recpt 2	.3	1.3	.0	.0	.0	.0	.0	.0
3. Recpt 3	.6	.0	.0	.0	.0	.0	.0	.0
4. Recpt 4	.6	.0	.0	.0	.0	.0	.0	.0
5. Recpt 5	.0	.2	.0	.0	.1	.0	.1	.0
6. Recpt 6	.1	.5	.0	.0	.0	.0	.0	.0
7. Recpt 7	.2	.8	.0	.0	.0	.1	.0	.0
8. Recpt 8	1.4	.0	.0	.1	.0	.0	.0	.0