

FINALENVIRONMENTAL IMPACT REPORT

Volume II

SCH #2004071095

West Haven Specific Plan
(PSP03-006)

APPENDIX B

Air Quality Summary Report

File Name: C:\Program Files\URBEMIS 2002 For Windows\Projects2k2\west haven.urb
 Project Name: west haven
 Project Location: South Coast Air Basin (Los Angeles area)
 On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
 (Pounds/Day - Summer)

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2006 ***							
TOTALS (lbs/day, unmitigated)	33.73	230.75	275.67	0.03	210.03	10.01	200.02
TOTALS (lbs/day, mitigated)	3.73	119.30	35.97	0.03	41.51	0.12	41.39

	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2007 ***							
TOTALS (lbs/day, unmitigated)	120.61	855.39	922.18	0.02	236.63	36.61	200.02
TOTALS (lbs/day, mitigated)	16.38	442.39	131.64	0.02	41.84	0.45	41.39

	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2008 ***							
TOTALS (lbs/day, unmitigated)	149.06	818.78	985.16	0.03	34.52	33.23	1.29
TOTALS (lbs/day, mitigated)	44.84	424.35	171.52	0.03	1.74	0.45	1.29

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (lbs/day, unmitigated)	38.29	11.36	10.54	0.17	0.03
TOTALS (lbs/day, mitigated)	37.54	9.46	3.90	0.00	0.02

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (lbs/day, unmitigated)	49.09	41.76	448.01	0.30	44.90
TOTALS (lbs/day, mitigated)	42.80	34.28	368.11	0.25	36.90

SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10
TOTALS (lbs/day, unmitigated)	87.38	53.12	458.55	0.47	44.93
TOTALS (lbs/day, mitigated)	80.34	43.74	372.01	0.25	36.92

File Name: C:\Program Files\URBEMIS 2002 For Windows\Projects2k2\west haven.urb
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 On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
 (Pounds/Day - Summer)

Construction Start Month and Year: April, 2006
 Construction Duration: 29
 Total Land Use Area to be Developed: 267 acres
 Maximum Acreage Disturbed Per Day: 20 acres
 Single Family Units: 753 Multi-Family Units: 0
 Retail/Office/Institutional/Industrial Square Footage: 187000

CONSTRUCTION EMISSION ESTIMATES UNMITIGATED (lbs/day)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2006***							
Phase 1 - Demolition Emissions							
Fugitive Dust	-	-	-	-	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	200.00	-	200.00
Off-Road Diesel	33.27	228.96	266.11	-	9.98	9.98	0.00
On-Road Diesel	0.06	1.30	0.22	0.02	0.02	0.02	0.00
Worker Trips	0.40	0.49	9.34	0.01	0.03	0.01	0.02
Maximum lbs/day	33.73	230.75	275.67	0.03	210.03	10.01	200.02
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
Bldg Const Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Arch Coatings Off-Gas	0.00	-	-	-	-	-	-
Arch Coatings Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Off-Gas	0.00	-	-	-	-	-	-
Asphalt Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
Asphalt On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Max lbs/day all phases	33.73	230.75	275.67	0.03	210.03	10.01	200.02

*** 2007***							
Phase 1 - Demolition Emissions							
Fugitive Dust	-	-	-	-	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	200.00	-	200.00
Off-Road Diesel	33.27	222.15	269.50	-	8.99	8.99	0.00
On-Road Diesel	0.05	1.19	0.20	0.00	0.02	0.02	0.00
Worker Trips	0.39	0.48	9.25	0.01	0.03	0.01	0.02
Maximum lbs/day	33.71	223.82	278.95	0.01	209.04	9.02	200.02

Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	106.06	789.33	797.86	-	34.29	34.29	0.00
Bldg Const Worker Trips	3.56	2.04	43.22	0.01	0.68	0.04	0.64
Arch Coatings Off-Gas	0.00	-	-	-	-	-	-
Arch Coatings Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Off-Gas	1.18	-	-	-	-	-	-
Asphalt Off-Road Diesel	9.50	59.20	79.61	-	2.18	2.18	0.00
Asphalt On-Road Diesel	0.25	4.79	0.92	0.01	0.12	0.11	0.01
Asphalt Worker Trips	0.05	0.03	0.57	0.00	0.01	0.00	0.01
Maximum lbs/day	120.61	855.39	922.18	0.02	37.26	36.61	0.65
Max lbs/day all phases	120.61	855.39	922.18	0.02	236.63	36.61	200.02

*** 2008***

Phase 1 - Demolition Emissions

Fugitive Dust	-	-	-	-	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trucker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading Emissions

Fugitive Dust	-	-	-	-	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trucker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	106.06	752.80	823.31	-	31.11	31.11	0.00
Bldg Const Worker Trips	3.28	1.90	40.29	0.01	0.68	0.04	0.64
Arch Coatings Off-Gas	25.48	-	-	-	-	-	-
Arch Coatings Worker Trips	3.28	1.90	40.29	0.01	0.68	0.04	0.64
Asphalt Off-Gas	1.18	-	-	-	-	-	-
Asphalt Off-Road Diesel	9.50	57.79	79.89	-	1.94	1.94	0.00
Asphalt On-Road Diesel	0.23	4.36	0.85	0.01	0.11	0.10	0.01
Asphalt Worker Trips	0.04	0.03	0.54	0.00	0.01	0.00	0.01
Maximum lbs/day	149.06	818.78	985.16	0.03	34.52	33.23	1.29
Max lbs/day all phases	149.06	818.78	985.16	0.03	34.52	33.23	1.29

Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions

Start Month/Year for Phase 2: Apr '06

Phase 2 Duration: 20 months

On-Road Truck Travel (VMT): 46

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
12	Graders	174	0.575	8.0
2	Other Equipment	190	0.620	8.0
2	Rubber Tired Dozers	352	0.590	8.0
1	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions

Start Month/Year for Phase 3: Dec '07

Phase 3 Duration: 9 months

Start Month/Year for SubPhase Building: Dec '07

SubPhase Building Duration: 9 months

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
20	Concrete/Industrial saws	84	0.730	8.0
35	Other Equipment	190	0.620	8.0
15	Rough Terrain Forklifts	94	0.475	8.0

Start Month/Year for SubPhase Architectural Coatings: Mar '08

SubPhase Architectural Coatings Duration: 6 months

Start Month/Year for SubPhase Asphalt: Dec '07

SubPhase Asphalt Duration: 4 months

Acres to be Paved: 39.8

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Graders	174	0.575	8.0
1	Off Highway Trucks	417	0.490	8.0
1	Pavers	132	0.590	8.0
1	Paving Equipment	111	0.530	8.0
2	Rollers	114	0.430	8.0

AREA SOURCE EMISSION ESTIMATES (Summer Pounds per Day, Unmitigated)					
Source	ROG	NOx	CO	SO2	PM10
Natural Gas	0.86	11.24	4.74	-	0.02
Wood Stoves - No summer emissions					
Fireplaces - No summer emissions					
Landscaping	0.60	0.12	5.80	0.17	0.01
Consumer Prdcts	36.84	-	-	-	-
TOTALS(lbs/day, unmitigated)	38.29	11.36	10.54	0.17	0.03

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Single family housing	27.70	20.30	224.36	0.15	22.76
Elementary school	3.59	2.46	26.27	0.02	2.60
City park	0.57	0.62	6.47	0.00	0.66
Regnl shop. center	17.22	18.38	190.91	0.13	18.87
TOTAL EMISSIONS (lbs/day)	49.09	41.76	448.01	0.30	44.90

Includes correction for passby trips.
Includes a double counting reduction for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2009 Temperature (F): 90 Season: Summer

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Land Use Type	Trip Rate	Size	Total Trips
Single family housing	3.40 trips / dwelling units	753.00	2,560.20
Elementary school	4.00 trips / 1000 sq. ft.	100.00	400.00
City park	20.00 trips / acres	5.00	100.00
Regnl shop. center	40.00 trips / 1000 sq. ft.	87.00	3,480.00

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	54.90	1.30	98.40	0.30
Light Truck < 3,750 lbs	15.10	2.60	95.40	2.00
Light Truck 3,751- 5,750	16.10	1.20	98.10	0.70
Med Truck 5,751- 8,500	7.30	1.40	95.90	2.70
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.30	0.00	66.70	33.30
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.60	75.00	25.00	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.40	7.10	85.70	7.20

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.5	4.9	6.0	10.3	5.5	5.5
Rural Trip Length (miles)	11.5	4.9	6.0	10.3	5.5	5.5
Trip Speeds (mph)	35.0	40.0	40.0	40.0	40.0	40.0
of Trips - Residential	20.0	37.0	43.0			

of Trips - Commercial (by land use)

Elementary school	20.0	10.0	70.0
City park	5.0	2.5	92.5
Regnl shop. center	2.0	1.0	97.0

Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Construction

The user has overridden the Default Phase Lengths

Architectural Coatings: # ROG/ft2 (residential) changed from 0.0185 to 0.000834

Architectural Coatings: # ROG/ft2 (non-res) changed from 0.0185 to 0.000834

Phase 2 mitigation measure Soil Disturbance: Apply soil stabilizers to inactive areas
has been changed from off to on.

Phase 2 mitigation measure Soil Disturbance: Replace ground cover in disturbed areas quickly
has been changed from off to on.

Phase 2 mitigation measure Soil Disturbance: Water exposed surfaces - 2x daily
has been changed from off to on.

Phase 2 mitigation measure Off-Road Diesel Exhaust: Use aqueous diesel fuel
has been changed from off to on.

Phase 2 mitigation measure Off-Road Diesel Exhaust: Use diesel particulate filter
has been changed from off to on.

Phase 2 mitigation measure Off-Road Diesel Exhaust: Use cooled exhaust gas recirculation(EGR)
has been changed from off to on.

Phase 2 mitigation measure On-Road Diesel Exhaust: Use aqueous diesel fuel
has been changed from off to on.

Phase 2 mitigation measure On-Road Diesel Exhaust: Use diesel particulate filter
has been changed from off to on.

Phase 2 mitigation measure On-Road Diesel Exhaust: Use cooled exhaust gas recirculation(EGR)
has been changed from off to on.

Phase 2 mitigation measure Stockpiles: Cover all stock piles with tarps
has been changed from off to on.

Phase 2 mitigation measure Unpaved Roads: Water all haul roads 2x daily
has been changed from off to on.

Phase 2 mitigation measure Unpaved Roads: Reduce speed on unpaved roads to < 15 mph
has been changed from off to on.

Phase 3 mitigation measure Off-Road Diesel Exhaust: Use aqueous diesel fuel
has been changed from off to on.

Phase 3 mitigation measure Off-Road Diesel Exhaust: Use diesel particulate filter
has been changed from off to on.

Phase 3 mitigation measure Off-Road Diesel Exhaust: Use cooled exhaust gas recirculation(EGR)
has been changed from off to on.

Phase 3 mitigation measure Off-Road Diesel Exhaust: Use aqueous diesel fuel
has been changed from off to on.

Phase 3 mitigation measure Off-Road Diesel Exhaust: Use diesel particulate filter
has been changed from off to on.

Phase 3 mitigation measure Off-Road Diesel Exhaust: Use cooled exhaust gas recirculation(EGR)
has been changed from off to on.

Phase 3 mitigation measure On-Road Diesel Exhaust: Use aqueous diesel fuel
has been changed from off to on.

Phase 3 mitigation measure On-Road Diesel Exhaust: Use diesel particulate filter
has been changed from off to on.

Phase 3 mitigation measure On-Road Diesel Exhaust: Use cooled exhaust gas recirculation(EGR)
has been changed from off to on.

Changes made to the default values for Area

The area source mitigation measure option switch changed from off to on.

The amount of wood burned per year changed from 1.48 to 0.5.

The percentage of wood stoves changed from 35 to 1.

The fireplace cords of wood burned changed from 1.48 to 0.5.

The landscape year changed from 2004 to 2009.

Mitigation measure Central Water Heater: Rsdntl Space Heat.
has been changed from off to on.

Mitigation measure Increase Insulation Beyond Title 24: Rsdntl Space Heat.
has been changed from off to on.

Mitigation measure All Electric Landscape Maintenance Equipment: Rsdntl Lndscp Maint.
has been changed from off to on.

Mitigation measure Central Water Heater: Cmrc1 Space Heat.
has been changed from off to on.

Mitigation measure Increase Insulation Beyond Title 24: Cmrc1 Space Heat.
has been changed from off to on.

Mitigation measure All Electric Landscape Maintenance Equipment: Cmrc1 Lndscp Maint.
has been changed from off to on.

Changes made to the default values for Operations

The pass by trips option switch changed from off to on.

The operational emission year changed from 2004 to 2009.

The double counting internal work trip limit changed from to 154.6.

The double counting shopping trip limit changed from to 77.3.

The double counting other trip limit changed from to 1100.886.

The travel mode environment settings changed from both to: both
The default/nodefault travel setting changed from nodefault to: nodefault
Side Walks/Paths: No Sidewalks
changed to: Side Walks/Paths: Complete Coverage
Street Trees Provide Shade: No Coverage
changed to: Street Trees Provide Shade: Complete Coverage
Pedestrian Circulation Access: No Destinations
changed to: Pedestrian Circulation Access: Most Destinations
Visually Interesting Uses: No Uses Within Walking Distance
changed to: Visually Interesting Uses: Large Number and Variety
Street System Enhances Safety: No Streets
changed to: Street System Enhances Safety: Most Streets
Pedestrian Safety from Crime: No Degree of Safety
changed to: Pedestrian Safety from Crime: High Degree of Safety
Visually Interesting Walking Routes: No Visual Interest
changed to: Visually Interesting Walking Routes: High Level
Transit Service: Dial-A-Ride or No Transit Service
changed to: Transit Service: <15 Minute Bus within 1/4 Mile
Interconnected Bikeways: No Bikeway Coverage
changed to: Interconnected Bikeways: High Coverage
Bike Routes Provide Paved Shoulders: No Routes
changed to: Bike Routes Provide Paved Shoulders: Most Major Destinations
Safe Vehicle Speed Limits: No Routes Provided
changed to: Safe Vehicle Speed Limits: Most Major Destinations
Safe School Routes: No Schools
changed to: Safe School Routes: One School
Uses w/in Cycling Distance: No Uses w/in Cycling Distance
changed to: Uses w/in Cycling Distance: Large Number and Variety
Bike Parking Ordinance: No Ordinance or Unenforceable
changed to: Bike Parking Ordinance: Requires Unprotected Bike Racks
Mitigation measure Provide Transit Shelters Benches:2
has been changed from off to on.
Mitigation measure Provide Street Lighting:0.5
has been changed from off to on.
Mitigation measure Provide Route Signs and Displays:0.5
has been changed from off to on.
Mitigation measure Provide Bus Turnouts:1
has been changed from off to on.
Mitigation measure Provide Sidewalks and/or Pedestrian Paths:1
has been changed from off to on.
Mitigation measure Provide Direct Pedestrian Connections:1
has been changed from off to on.
Mitigation measure Provide Pedestrian Safety:0.5
has been changed from off to on.
Mitigation measure Provide Street Furniture:0.5
has been changed from off to on.
Mitigation measure Provide Street Lighting:0.5
has been changed from off to on.
Mitigation measure Provide Pedestrian Signalization and Signage:0.5
has been changed from off to on.
Mitigation measure Mixed Use Project (Commercial Oriented):1
has been changed from off to on.
Mitigation measure Provide Wide Sidewalks and Onsite Pedestrian Facilities:1
has been changed from off to on.
Mitigation measure Provide Street Lighting:0.5
has been changed from off to on.
Mitigation measure Project Provides Shade Trees to Shade Sidewalks:0.5
has been changed from off to on.
Mitigation measure Project Provides Street Art and/or Street Furniture:0.5
has been changed from off to on.
Mitigation measure Provide Pedestrian Safety Designs/Infrastructure at Crossings:0.5
has been changed from off to on.
Mitigation measure No Long Uninterrupted Walls Along Pedestrian Walkways:0.25
has been changed from off to on.
Mitigation measure Provide Bike Lanes/Paths Connecting to Bikeway System:2
has been changed from off to on.
Mitigation measure Provide Bike Lanes/Paths Connecting to Bikeway System:2
has been changed from off to on.
Mitigation measure Provide Secure Bicycle Parking:1
has been changed from off to on.

01/10/2007 8:33 AM

URBEMIS 2002 For Windows 8.7.0

File Name: \West Haven EIR 38000774\DRAFT EIR\ONT FINAL DEIR\Revised
Air\URBEMIS\Construction.urb
Project Name: West Haven Specific Plan Construction
Project Location: South Coast Air Basin (Los Angeles area)
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Pounds/Day - Summer)

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2007 ***							
TOTALS (lbs/day, unmitigated)	26.78	222.12	205.63	0.10	358.08	7.83	350.25
TOTALS (lbs/day, mitigated)	26.78	222.12	205.63	0.10	120.08	7.83	112.25
*** 2008 ***							
TOTALS (lbs/day, unmitigated)	23.87	138.51	199.62	0.01	5.94	5.29	0.65
TOTALS (lbs/day, mitigated)	23.87	138.51	199.62	0.01	5.94	5.29	0.65

DETAIL REPORT
(Pounds/Day - Summer)

Construction Start Month and Year: January, 2007
Construction Duration: 24
Total Land Use Area to be Developed: 202 acres
Maximum Acreage Disturbed Per Day: 35 acres
Single Family Units: 763 Multi-Family Units: 0
Retail/Office/Institutional/Industrial Square Footage: 172200

CONSTRUCTION EMISSION ESTIMATES MITIGATED (lbs/day)

Source	ROG	NOx	CO	SO2	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
*** 2007***							
Phase 1 - Demolition Emissions							
Fugitive Dust	-	-	-	-	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	112.00	-	112.00
Off-Road Diesel	23.90	163.04	190.89	-	6.69	6.69	0.00
On-Road Diesel	2.65	58.64	9.88	0.10	1.37	1.13	0.24
Worker Trips	0.23	0.44	4.86	0.00	0.02	0.01	0.01
Maximum lbs/day	26.78	222.12	205.63	0.10	120.08	7.83	112.25
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	16.12	116.72	123.47	-	4.94	4.94	0.00
Bldg Const Worker Trips	3.58	2.05	43.40	0.01	0.68	0.04	0.64
Arch Coatings Off-Gas	0.00	-	-	-	-	-	-
Arch Coatings Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Off-Gas	0.00	-	-	-	-	-	-
Asphalt Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
Asphalt On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	19.70	118.78	166.87	0.01	5.62	4.98	0.64
Max lbs/day all phases	26.78	222.12	205.63	0.10	120.08	7.83	112.25

*** 2008***

Phase 1 - Demolition Emissions

Fugitive Dust	-	-	-	-	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 2 - Site Grading Emissions

Fugitive Dust	-	-	-	-	0.00	-	0.00
Off-Road Diesel	0.00	0.00	0.00	-	0.00	0.00	0.00
On-Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum lbs/day	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 - Building Construction

Bldg Const Off-Road Diesel	16.12	111.66	126.80	-	4.47	4.47	0.00
Bldg Const Worker Trips	3.29	1.91	40.46	0.01	0.68	0.04	0.64
Arch Coatings Off-Gas	0.00	-	-	-	-	-	-
Arch Coatings Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Asphalt Off-Gas	0.60	-	-	-	-	-	-
Asphalt Off-Road Diesel	4.00	23.58	33.99	-	0.73	0.73	0.00
Asphalt On-Road Diesel	0.12	2.19	0.42	0.00	0.05	0.05	0.00
Asphalt Worker Trips	0.02	0.01	0.27	0.00	0.00	0.00	0.00
Maximum lbs/day	23.87	138.51	199.62	0.01	5.94	5.29	0.65
Max lbs/day all phases	23.87	138.51	199.62	0.01	5.94	5.29	0.65

Construction-Related Mitigation Measures

Phase 2: Soil Disturbance: Rule 403 Compliance

Percent Reduction (ROG 0.0% NOx 0.0% CO 0.0% SO2 0.0% PM10 68%)

Phase 1 - Demolition Assumptions: Phase Turned OFF

Phase 2 - Site Grading Assumptions

Start Month/Year for Phase 2: Jan '07

Phase 2 Duration: 6 months

On-Road Truck Travel (VMT): 2240

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
2	Excavators	180	0.580	8.0
1	Graders	174	0.575	8.0
3	Other Equipment	190	0.620	8.0
1	Rubber Tired Dozers	352	0.590	8.0
2	Scrapers	313	0.660	8.0
2	Tractor/Loaders/Backhoes	79	0.465	8.0

Phase 3 - Building Construction Assumptions

Start Month/Year for Phase 3: Jul '07

Phase 3 Duration: 18 months

Start Month/Year for SubPhase Building: Jul '07

SubPhase Building Duration: 14 months

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Cranes	190	0.430	8.0
5	Other Equipment	190	0.620	8.0
3	Rough Terrain Forklifts	94	0.475	8.0
3	Tractor/Loaders/Backhoes	79	0.465	8.0

SubPhase Architectural Coatings Turned OFF

Start Month/Year for SubPhase Asphalt: May '08

SubPhase Asphalt Duration: 8 months

Acres to be Paved: 40

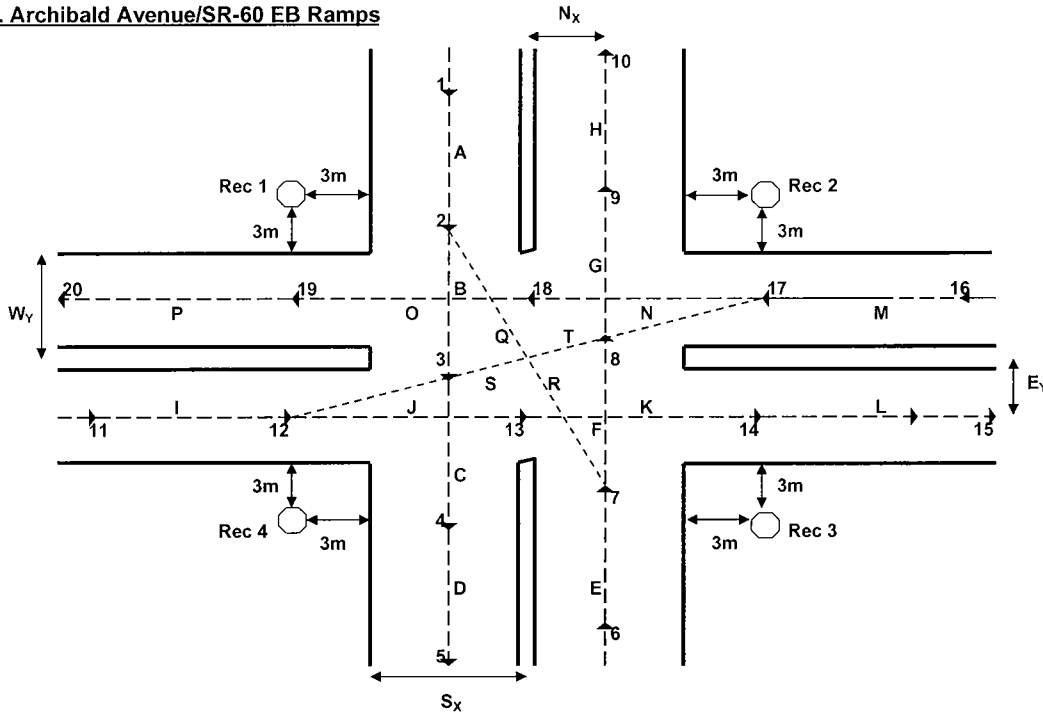
Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Graders	174	0.575	8.0
1	Pavers	132	0.590	8.0
1	Rollers	114	0.430	8.0

West Haven SP CO Hotspots Analysis

Study Intersections	2015 Without Project						2015 With Project, Not Mitigated						2015 With Project, Mitigated						% Increase									
	AM Peak LOS		PM Peak LOS		V/C		AM Peak LOS		PM Peak LOS		V/C		AM Peak LOS		PM Peak LOS		V/C		AM Peak V/C		PM Peak V/C		AM Peak V/C		PM Peak V/C			
1 Archibald Ave/SR-60WB Ramps	D	D	0.892	1.039	D	D	0.901	1.053	D	D	0.901	1.053	D	D	0.901	1.053	C	C	0.641	0.845	C	C	0.641	0.845	-28.1%	-18.7%	-28.1%	-18.7%
2 Archibald Ave/SR-60EB Ramps	B	D	0.437	0.988	B	D	0.446	1.018	B	D	0.446	1.018	B	C	0.420	0.860	B	C	0.420	0.860	-3.9%	-13.0%	-3.9%	-13.0%				
3 Archibald Ave/Riverside Dr	C	F	0.792	1.165	C	F	0.828	1.173	C	F	0.828	1.173	C	D	0.828	0.980	C	D	0.828	0.980	4.5%	-15.9%	4.5%	-15.9%				
4 Archibald Ave/Chino Ave	D	F	1.050	2.660	D	F	1.050	2.953	D	F	1.050	2.953	D	C	0.849	0.923	C	C	0.849	0.923	-19.1%	-65.3%	-19.1%	-65.3%				
5 Archibald Ave/Schaefer Ave	F	F	2.226	2.966	F	F	2.244	2.979	F	F	2.244	2.979	F	E	0.922	1.134	C	E	0.922	1.134	-58.6%	-61.8%	-58.6%	-61.8%				
6 Archibald Ave/Edison Ave	F	F	1.388	2.466	F	F	1.430	2.486	F	F	1.430	2.486	F	D	0.661	1.026	C	D	0.661	1.026	-52.4%	-58.4%	-52.4%	-58.4%				
7 Turner Ave/Riverside Dr	B	B	0.437	0.625	B	B	0.446	0.656	B	B	0.446	0.656	B	B	0.446	0.656	B	B	0.446	0.656	2.1%	5.0%	2.1%	5.0%				
8 Turner Ave/Chino Ave	A	A	0.508	0.625	A	A	0.535	0.684	A	A	0.535	0.684	A	A	0.535	0.684	A	A	0.535	0.684	5.3%	9.4%	5.3%	9.4%				
9 Turner Ave/Schaefer Ave	A	A	-	-	A	A	-	-	A	A	-	-	A	A	0.000	0.000	A	A	0.000	0.000	-	-	-	-				
10 Schaefer Ave/Edison Ave	C	C	-	-	C	C	-	-	C	C	-	-	C	C	0.000	0.000	C	C	0.000	0.000	-	-	-	-				
11 Haven Ave/SR-60WB Ramps	A	A	0.292	0.376	A	A	0.317	0.415	A	A	0.317	0.415	A	A	0.317	0.415	A	A	0.317	0.415	8.6%	10.4%	8.6%	10.4%				
12 Haven Ave/SR-60EB Ramps	A	B	0.402	0.602	A	B	0.432	0.638	A	B	0.432	0.638	A	B	0.432	0.638	A	B	0.432	0.638	7.5%	6.0%	7.5%	6.0%				
13 Haven Ave/Creekside Dr	C	C	0.585	0.603	C	C	0.626	0.611	C	C	0.626	0.611	C	C	0.626	0.611	C	C	0.626	0.611	7.0%	1.3%	7.0%	1.3%				
14 Haven Ave/Riverside Dr	C	F	0.808	1.488	C	F	0.864	1.599	C	F	0.864	1.599	C	F	0.847	0.949	C	D	0.847	0.949	4.8%	-36.2%	4.8%	-36.2%				
15 Haven Ave/Chino Ave	F	F	1.743	1.327	F	F	1.884	1.389	F	F	1.884	1.389	F	F	1.257	0.926	F	D	1.257	0.926	-27.9%	-30.2%	-27.9%	-30.2%				
16 Haven Ave/New Edison Ave	D	C	1.029	0.740	D	C	1.056	0.779	D	C	1.056	0.779	D	C	1.056	0.779	D	C	1.056	0.779	2.6%	5.3%	2.6%	5.3%				
17 Haven Ave/Old Edison Ave	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
18 Millcreek/Riverside Dr	C	C	0.734	0.967	C	C	0.850	1.123	C	E	0.850	1.123	C	E	0.850	1.123	C	C	0.738	0.905	15.8%	16.1%	0.5%	-6.4%				
19 Milliken Ave/Riverside Dr	E	F	1.142	1.876	F	F	1.169	1.917	F	F	1.169	1.917	F	F	0.908	1.449	D	F	0.908	1.449	2.4%	2.2%	-20.5%	-22.8%				

2. Archibald Avenue/SR-60 EB Ramps



Variables

N_x	11	S_x	19.5	E_y	9.1	W_y	9.1
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Co-ordinates

Point	X	Y
1	-11.00	650.00
2	-11.00	150.00
3	-11.00	0.00
4	-11.00	-150.00
5	-11.00	-650.00
6	11.00	-650.00
7	11.00	-150.00
8	11.00	0.00
9	11.00	150.00
10	11.00	650.00
11	-650.00	-9.10
12	-150.00	-9.10
13	0.00	-9.10
14	150.00	-9.10
15	650.00	-9.10
16	650.00	9.10
17	150.00	9.10
18	0.00	9.10
19	-150.00	9.10
20	-650.00	9.10

Traffic Volumes (PM Peak)

Link	A	B
A	2950	2994
B	2213	2257
C	2699	2776
D	2699	2776
E	1362	1411
F	1362	1411
G	1184	1233
H	1304	1353
I	606	639
J	486	519
K	178	178
L	915	915
M	0	0
N	0	0
O	0	0
P	0	0
Q	737	737
R	178	178
S	120	120
T	0	0

		←	↓	→	
			2213	737	
120	↑	A - 2015 Without Proj			↑
	→	A - 2015 Without Proj			←
486	↓	A - 2015 Without Proj			↓
		←	↑	→	
			1184	178	
			2257	737	
120	↑	B - 2015 with Proj			↑
	→	B - 2015 with Proj			←
519	↓	B - 2015 with Proj			↓
		←	↑	→	
			1233	178	

Receptors

Point	X	Y
1	-22.50	12.10
2	22.50	12.10
3	22.50	-12.10
4	-22.50	-12.10

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION

JOB: Archibald/SR-60EB-PM No Project
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= 2.9 PPM
 SIGTH= 5. DEGREES TEMP= 12.8 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Link A	* -11	* 650	* -11	* 150	* AG	2950	8.9	.0	19.5
B. Link B	* -11	* 150	* -11	* 0	* AG	2213	8.9	.0	19.5
C. Link C	* -11	* 0	* -11	* -150	* AG	2699	8.9	.0	19.5
D. Link D	* -11	* -150	* -11	* -650	* AG	2699	8.9	.0	19.5
E. Link E	* 11	* -650	* 11	* -150	* AG	1362	8.9	.0	19.5
F. Link F	* 11	* -150	* 11	* 0	* AG	1362	8.9	.0	19.5
G. Link G	* 11	* 0	* 11	* 150	* AG	1184	8.9	.0	19.5
H. Link H	* 11	* 150	* 11	* 650	* AG	1304	8.9	.0	19.5
I. Link I	* -650	* -9	* -150	* -9	* AG	606	8.9	.0	10.0
J. Link J	* -150	* -9	* 0	* -9	* AG	486	8.9	.0	10.0
K. Link K	* 0	* -9	* 150	* -9	* AG	178	8.9	.0	10.0
L. Link L	* 150	* -9	* 650	* -9	* AG	915	8.9	.0	10.0
M. Link M	* 650	* 9	* 150	* 9	* AG	0	8.9	.0	10.0
N. Link N	* 150	* 9	* 0	* 9	* AG	0	8.9	.0	10.0
O. Link O	* 0	* 9	* -150	* 9	* AG	0	8.9	.0	10.0
P. Link P	* -150	* 9	* -650	* 9	* AG	0	8.9	.0	10.0
Q. Link Q	* -11	* 150	* 0	* 0	* AG	737	8.9	.0	19.5
R. Link R	* 0	* 0	* 11	* -150	* AG	178	8.9	.0	19.5
S. Link S	* -150	* -9	* 0	* 0	* AG	120	8.9	.0	10.0
T. Link T	* 0	* 0	* 150	* 9	* AG	0	8.9	.0	10.0

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. Recpt 1	* -23	* 12	* 1.8
2. Recpt 2	* 23	* 12	* 1.8
3. Recpt 3	* 23	* -12	* 1.8
4. Recpt 4	* -23	* -12	* 1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)						
						D	E	F	G	H		
1. Recpt 1	* 175.	* 5.4	* .0	* .0	* 1.5	.5	.4	.0	.0	.0	.0	.0
2. Recpt 2	* 186.	* 4.8	* .0	* .0	* .0	.7	.2	.8	.0	.0	.0	.0
3. Recpt 3	* 354.	* 4.7	* .7	* .0	* .0	.0	.0	.0	.7	.2	.0	.0
4. Recpt 4	* 5.	* 5.5	* .6	* 1.2	* .0	.0	.0	.0	.0	.4	.0	.0

RECEPTOR	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. Recpt 1	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0
2. Recpt 2	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0
3. Recpt 3	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0
4. Recpt 4	* .0	* .1	* .0	* .0	* .0	* .0	* .0	* .0	* .2	* .0	* .0	* .0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION

JOB: Archibald/SR-60EB-PM With Project
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= 2.9 PPM
 SIGTH= 5. DEGREES TEMP= 12.8 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Link A	* -11	* 650	* -11	* 150	* AG	2994	8.9	.0	19.5
B. Link B	* -11	* 150	* -11	* 0	* AG	2257	8.9	.0	19.5
C. Link C	* -11	* 0	* -11	* -150	* AG	2776	8.9	.0	19.5
D. Link D	* -11	* -150	* -11	* -650	* AG	2776	8.9	.0	19.5
E. Link E	* 11	* -650	* 11	* -150	* AG	1411	8.9	.0	19.5
F. Link F	* 11	* -150	* 11	* 0	* AG	1411	8.9	.0	19.5
G. Link G	* 11	* 0	* 11	* 150	* AG	1233	8.9	.0	19.5
H. Link H	* 11	* 150	* 11	* 650	* AG	1353	8.9	.0	19.5
I. Link I	* -650	* -9	* -150	* -9	* AG	639	8.9	.0	10.0
J. Link J	* -150	* -9	* 0	* -9	* AG	519	8.9	.0	10.0
K. Link K	* 0	* -9	* 150	* -9	* AG	178	8.9	.0	10.0
L. Link L	* 150	* -9	* 650	* -9	* AG	915	8.9	.0	10.0
M. Link M	* 650	* 9	* 150	* 9	* AG	0	8.9	.0	10.0
N. Link N	* 150	* 9	* 0	* 9	* AG	0	8.9	.0	10.0
O. Link O	* 0	* 9	* -150	* 9	* AG	0	8.9	.0	10.0
P. Link P	* -150	* 9	* -650	* 9	* AG	0	8.9	.0	10.0
Q. Link Q	* -11	* 150	* 0	* 0	* AG	737	8.9	.0	19.5
R. Link R	* 0	* 0	* 11	* -150	* AG	178	8.9	.0	19.5
S. Link S	* -150	* -9	* 0	* 0	* AG	120	8.9	.0	10.0
T. Link T	* 0	* 0	* 150	* 9	* AG	0	8.9	.0	10.0

III. RECEPTOR LOCATIONS

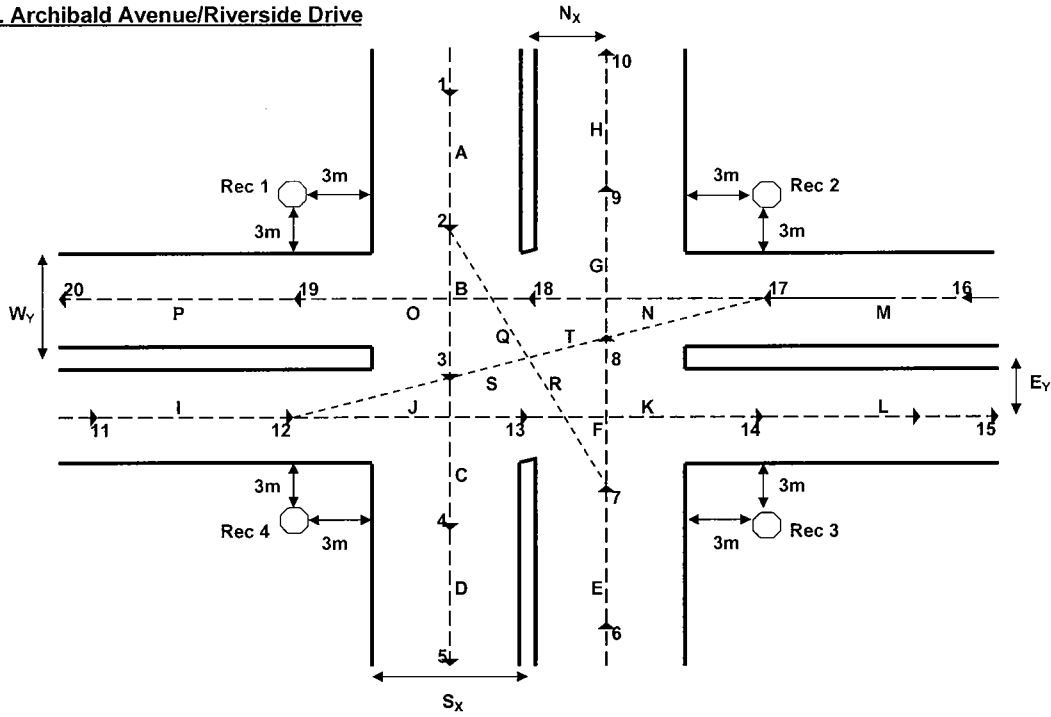
RECEPTOR	* X	* Y	* Z
1. Recpt 1	* -23	* 12	* 1.8
2. Recpt 2	* 23	* 12	* 1.8
3. Recpt 3	* 23	* -12	* 1.8
4. Recpt 4	* -23	* -12	* 1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)						
						D	E	F	G	H		
1. Recpt 1	* 175.	* 5.5	* .0	* .0	* 1.5	.5	.4	.0	.0	.0		
2. Recpt 2	* 186.	* 4.9	* .0	* .0	* .0	.7	.2	.9	.0	.0		
3. Recpt 3	* 354.	* 4.8	* .7	* .0	* .0	.0	.0	.0	.8	.2		
4. Recpt 4	* 5.	* 5.5	* .6	* 1.2	* .0	.0	.0	.0	.0	.4		

RECEPTOR	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. Recpt 1	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0
2. Recpt 2	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0
3. Recpt 3	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0
4. Recpt 4	* .0	* .1	* .0	* .0	* .0	* .0	* .0	* .0	* .2	* .0	* .0	* .0

3. Archibald Avenue/Riverside Drive



Variables

N_x	8.8	S_x	15.2	E_y	6.4	W_y	12.8
-------	-----	-------	------	-------	-----	-------	------

Co-ordinates

Point	X	Y
1	-8.80	650.00
2	-8.80	150.00
3	-8.80	0.00
4	-8.80	-150.00
5	-8.80	-650.00
6	8.80	-650.00
7	8.80	-150.00
8	8.80	0.00
9	8.80	150.00
10	8.80	650.00
11	-650.00	-6.40
12	-150.00	-6.40
13	0.00	-6.40
14	150.00	-6.40
15	650.00	-6.40
16	650.00	6.40
17	150.00	6.40
18	0.00	6.40
19	-150.00	6.40
20	-650.00	6.40

Traffic Volumes (PM Peak)

Link	A	B
A	2445	2526
B	2339	2339
C	2229	2239
D	2386	2396
E	1217	1220
F	1167	1169
G	1039	1091
H	1173	1225
I	1825	1850
J	1691	1716
K	1741	1756
L	1847	1943
M	1151	1223
N	994	1066
O	1182	1204
P	1232	1255
Q	106	187
R	226	226
S	134	134
T	157	157

	286	2053	106		
	←	↓	→		
134 ↑	A - 2015 Without Proj			↑	98
1515 →				←	896
176 ↓				↓	157
	←	↑	→		
	50	941	226		
	286	2053	187		
	←	↓	→		
134 ↑	B - 2015 with Proj			↑	148
1530 →				←	918
186 ↓				↓	157
	←	↑	→		
	51	943	226		

Receptors

Point	X	Y
1	-18.20	15.80
2	18.20	15.80
3	18.20	-15.80
4	-18.20	-15.80

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION

JOB: Archibald/Riverside-PM No Project
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= 2.9 PPM
 SIGTH= 5. DEGREES TEMP= 12.8 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Link A	* -9	* 650	* -9	* 150	* AG	2445	8.9	.0	15.2
B. Link B	* -9	* 150	* -9	* 0	* AG	2339	8.9	.0	15.2
C. Link C	* -9	* 0	* -9	* -150	* AG	2229	8.9	.0	15.2
D. Link D	* -9	* -150	* -9	* -650	* AG	2386	8.9	.0	15.2
E. Link E	* 9	* -650	* 9	* -150	* AG	1217	8.9	.0	15.2
F. Link F	* 9	* -150	* 9	* 0	* AG	1167	8.9	.0	15.2
G. Link G	* 9	* 0	* 9	* 150	* AG	1039	8.9	.0	15.2
H. Link H	* 9	* 150	* 9	* 650	* AG	1173	8.9	.0	15.2
I. Link I	* -650	* -6	* -150	* -6	* AG	1825	8.9	.0	12.8
J. Link J	* -150	* -6	* 0	* -6	* AG	1691	8.9	.0	12.8
K. Link K	* 0	* -6	* 150	* -6	* AG	1741	8.9	.0	12.8
L. Link L	* 150	* -6	* 650	* -6	* AG	1847	8.9	.0	12.8
M. Link M	* 650	* 6	* 150	* 6	* AG	1151	8.9	.0	12.8
N. Link N	* 150	* 6	* 0	* 6	* AG	994	8.9	.0	12.8
O. Link O	* 0	* 6	* -150	* 6	* AG	1182	8.9	.0	12.8
P. Link P	* -150	* 6	* -650	* 6	* AG	1232	8.9	.0	12.8
Q. Link Q	* -9	* 150	* 0	* 0	* AG	106	8.9	.0	15.2
R. Link R	* 0	* 0	* 9	* -150	* AG	226	8.9	.0	15.2
S. Link S	* -150	* -6	* 0	* 0	* AG	134	8.9	.0	12.8
T. Link T	* 0	* 0	* 150	* 6	* AG	157	8.9	.0	12.8

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. Recpt 1	* -18	* 16	* 1.8
2. Recpt 2	* 18	* 16	* 1.8
3. Recpt 3	* 18	* -16	* 1.8
4. Recpt 4	* -18	* -16	* 1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)						
						D	E	F	G	H		
1. Recpt 1	* 175.	* 5.8	* .0	* .0	* 1.3	* .4	* .4	* .0	* .0	* .0		
2. Recpt 2	* 186.	* 5.4	* .0	* .0	* .1	* .6	* .2	* .8	* .0	* .0		
3. Recpt 3	* 275.	* 5.5	* .0	* .0	* .4	* .0	* .0	* .4	* .0	* .0		
4. Recpt 4	* 5.	* 5.9	* .4	* 1.4	* .0	* .0	* .0	* .0	* .0	* .4		

RECEPTOR	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. Recpt 1	* .0	* .3	* .0	* .0	* .0	* .0	* .4	* .0	* .0	* .0	* .0	* .0
2. Recpt 2	* .0	* .0	* .3	* .0	* .0	* .3	* .0	* .0	* .0	* .0	* .0	* .0
3. Recpt 3	* .3	* .9	* .0	* .0	* .0	* .0	* .1	* .4	* .0	* .0	* .0	* .0
4. Recpt 4	* .0	* .5	* .0	* .0	* .0	* .0	* .2	* .0	* .0	* .0	* .0	* .0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION

JOB: Archibald/Riverside-PM With Project
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= 2.9 PPM
 SIGTH= 5. DEGREES TEMP= 12.8 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Link A	* -9	* 650	* -9	* 150	* AG	2526	8.9	.0	15.2
B. Link B	* -9	* 150	* -9	* 0	* AG	2339	8.9	.0	15.2
C. Link C	* -9	* 0	* -9	* -150	* AG	2239	8.9	.0	15.2
D. Link D	* -9	* -150	* -9	* -650	* AG	2396	8.9	.0	15.2
E. Link E	* 9	* -650	* 9	* -150	* AG	1220	8.9	.0	15.2
F. Link F	* 9	* -150	* 9	* 0	* AG	1169	8.9	.0	15.2
G. Link G	* 9	* 0	* 9	* 150	* AG	1091	8.9	.0	15.2
H. Link H	* 9	* 150	* 9	* 650	* AG	1225	8.9	.0	15.2
I. Link I	* -650	* -6	* -150	* -6	* AG	1850	8.9	.0	12.8
J. Link J	* -150	* -6	* 0	* -6	* AG	1716	8.9	.0	12.8
K. Link K	* 0	* -6	* 150	* -6	* AG	1756	8.9	.0	12.8
L. Link L	* 150	* -6	* 650	* -6	* AG	1943	8.9	.0	12.8
M. Link M	* 650	* 6	* 150	* 6	* AG	1223	8.9	.0	12.8
N. Link N	* 150	* 6	* 0	* 6	* AG	1066	8.9	.0	12.8
O. Link O	* 0	* 6	* -150	* 6	* AG	1204	8.9	.0	12.8
P. Link P	* -150	* 6	* -650	* 6	* AG	1255	8.9	.0	12.8
Q. Link Q	* -9	* 150	* 0	* 0	* AG	187	8.9	.0	15.2
R. Link R	* 0	* 0	* 9	* -150	* AG	226	8.9	.0	15.2
S. Link S	* -150	* -6	* 0	* 0	* AG	134	8.9	.0	12.8
T. Link T	* 0	* 0	* 150	* 6	* AG	157	8.9	.0	12.8

III. RECEPTOR LOCATIONS

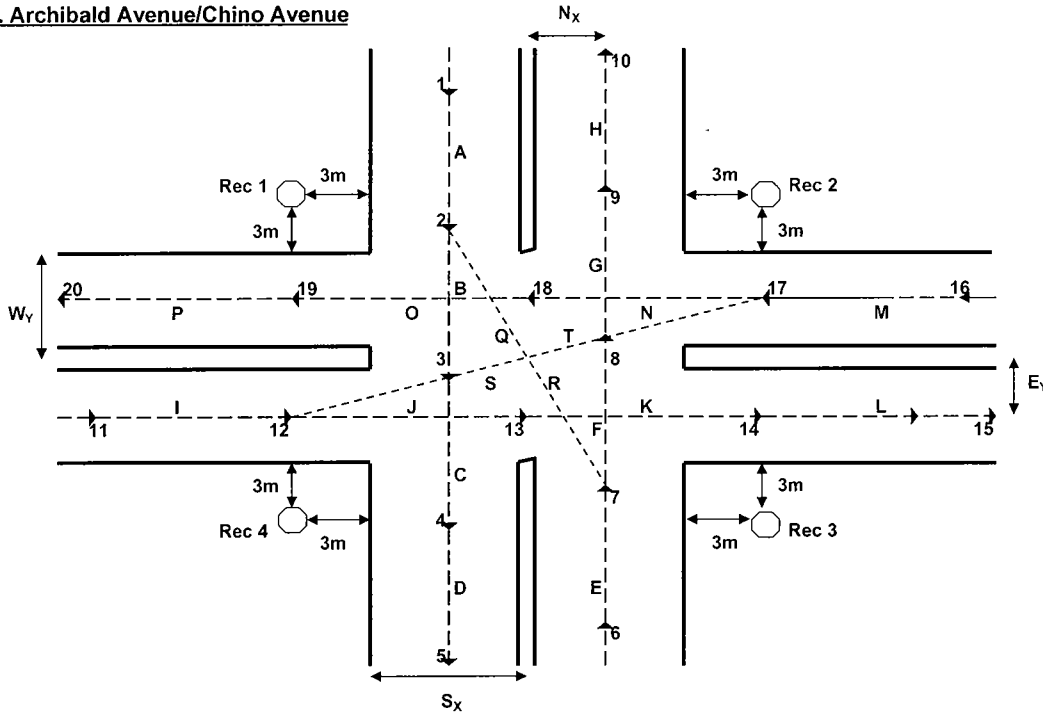
RECEPTOR	* X	* Y	* Z
1. Recpt 1	* -18	* 16	* 1.8
2. Recpt 2	* 18	* 16	* 1.8
3. Recpt 3	* 18	* -16	* 1.8
4. Recpt 4	* -18	* -16	* 1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)						
						D	E	F	G	H		
1. Recpt 1	* 175.	* 5.8	* .0	* .0	* 1.3	.4	.4	.0	.0	.0		
2. Recpt 2	* 186.	* 5.4	* .0	* .0	* .1	.6	.2	.8	.0	.0		
3. Recpt 3	* 275.	* 5.5	* .0	* .0	* .4	.0	.0	.4	.0	.0		
4. Recpt 4	* 5.	* 6.0	* .4	* 1.4	* .0	.0	.0	.0	.0	.4		

RECEPTOR	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. Recpt 1	* .0	* .3	* .0	* .0	* .0	* .0	* .4	* .0	* .0	* .0	* .0	* .0
2. Recpt 2	* .0	* .0	* .3	* .0	* .0	* .3	* .0	* .0	* .0	* .0	* .0	* .0
3. Recpt 3	* .3	* .9	* .0	* .0	* .0	* .0	* .1	* .4	* .0	* .0	* .0	* .0
4. Recpt 4	* .0	* .5	* .0	* .0	* .0	* .0	* .2	* .0	* .0	* .0	* .0	* .0

4. Archibald Avenue/Chino Avenue



Variables

N_x	8.8	S_x	15.2	E_y	6.4	W_y	12.8
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Co-ordinates

Point	X	Y
1	-8.80	650.00
2	-8.80	150.00
3	-8.80	0.00
4	-8.80	-150.00
5	-8.80	-650.00
6	8.80	-650.00
7	8.80	-150.00
8	8.80	0.00
9	8.80	150.00
10	8.80	650.00
11	-650.00	-6.40
12	-150.00	-6.40
13	0.00	-6.40
14	150.00	-6.40
15	650.00	-6.40
16	650.00	6.40
17	150.00	6.40
18	0.00	6.40
19	-150.00	6.40
20	-650.00	6.40

Traffic Volumes (PM Peak)

Link	A	B
A	2425	2437
B	2233	2233
C	2447	2447
D	2907	2953
E	1555	1588
F	1469	1502
G	1292	1297
H	1365	1370
I	2002	2043
J	1929	1970
K	1892	1966
L	2084	2170
M	1206	1286
N	746	780
O	746	775
P	832	861
Q	192	204
R	331	364
S	73	73
T	460	506

		154	2079	192		
		←	↓	→		
73	↑	A - 2015 Without Proj			↑	154
1561	→	A - 2015 Without Proj			←	592
368	↓	A - 2015 Without Proj			↓	460
		←	↑	→		
		86	1138	331		
		154	2079	204		
		←	↓	→		
73	↑	B - 2015 with Proj			↑	159
1602	→	B - 2015 with Proj			←	621
368	↓	B - 2015 with Proj			↓	506
		←	↑	→		
		86	1138	364		

Receptors

Point	X	Y
1	-18.20	15.80
2	18.20	15.80
3	18.20	-15.80
4	-18.20	-15.80

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION

JOB: Archibald/Chino-PM No Project
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= 2.9 PPM
 SIGTH= 5. DEGREES TEMP= 12.8 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Link A	* -9	* 650	* -9	* 150	* AG	2425	8.9	.0	15.2
B. Link B	* -9	* 150	* -9	* 0	* AG	2233	8.9	.0	15.2
C. Link C	* -9	* 0	* -9	* -150	* AG	2447	8.9	.0	15.2
D. Link D	* -9	* -150	* -9	* -650	* AG	2907	8.9	.0	15.2
E. Link E	* 9	* -650	* 9	* -150	* AG	1555	8.9	.0	15.2
F. Link F	* 9	* -150	* 9	* 0	* AG	1469	8.9	.0	15.2
G. Link G	* 9	* 0	* 9	* 150	* AG	1292	8.9	.0	15.2
H. Link H	* 9	* 150	* 9	* 650	* AG	1365	8.9	.0	15.2
I. Link I	* -650	* -6	* -150	* -6	* AG	2002	8.9	.0	12.8
J. Link J	* -150	* -6	* 0	* -6	* AG	1929	8.9	.0	12.8
K. Link K	* 0	* -6	* 150	* -6	* AG	1892	8.9	.0	12.8
L. Link L	* 150	* -6	* 650	* -6	* AG	2084	8.9	.0	12.8
M. Link M	* 650	* 6	* 150	* 6	* AG	1206	8.9	.0	12.8
N. Link N	* 150	* 6	* 0	* 6	* AG	746	8.9	.0	12.8
O. Link O	* 0	* 6	* -150	* 6	* AG	746	8.9	.0	12.8
P. Link P	* -150	* 6	* -650	* 6	* AG	832	8.9	.0	12.8
Q. Link Q	* -9	* 150	* 0	* 0	* AG	192	8.9	.0	15.2
R. Link R	* 0	* 0	* 9	* -150	* AG	331	8.9	.0	15.2
S. Link S	* -150	* -6	* 0	* 0	* AG	73	8.9	.0	12.8
T. Link T	* 0	* 0	* 150	* 6	* AG	460	8.9	.0	12.8

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. Recpt 1	* -18	* 16	* 1.8
2. Recpt 2	* 18	* 16	* 1.8
3. Recpt 3	* 18	* -16	* 1.8
4. Recpt 4	* -18	* -16	* 1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. Recpt 1	* 175.	* 5.9	* .0	* .0	* 1.4	* .4	* .5	* .0	* .0	* .0	* .0
2. Recpt 2	* 186.	* 5.7	* .0	* .0	* .1	* .6	* .2	* 1.0	* .0	* .0	* .0
3. Recpt 3	* 354.	* 5.6	* .6	* .1	* .0	* .0	* .0	* .0	* .9	* .2	* .0
4. Recpt 4	* 5.	* 6.0	* .4	* 1.3	* .0	* .0	* .0	* .0	* .0	* .4	* .0

RECEPTOR	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. Recpt 1	* .0	* .4	* .0	* .0	* .0	* .0	* .2	* .0	* .0	* .0	* .0	* .0
2. Recpt 2	* .0	* .0	* .3	* .0	* .0	* .2	* .0	* .0	* .0	* .1	* .0	* .1
3. Recpt 3	* .0	* .0	* .6	* .0	* .0	* .1	* .0	* .0	* .0	* .0	* .0	* .1
4. Recpt 4	* .0	* .6	* .0	* .0	* .0	* .0	* .1	* .0	* .0	* .0	* .0	* .0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION

JOB: Archibald/Chino-PM With Project
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= 2.9 PPM
 SIGTH= 5. DEGREES TEMP= 12.8 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Link A	-9	650	-9	150	* AG	2437	8.9	.0	15.2
B. Link B	-9	150	-9	0	* AG	2233	8.9	.0	15.2
C. Link C	-9	0	-9	-150	* AG	2447	8.9	.0	15.2
D. Link D	-9	-150	-9	-650	* AG	2953	8.9	.0	15.2
E. Link E	9	-650	9	-150	* AG	1588	8.9	.0	15.2
F. Link F	9	-150	9	0	* AG	1502	8.9	.0	15.2
G. Link G	9	0	9	150	* AG	1297	8.9	.0	15.2
H. Link H	9	150	9	650	* AG	1370	8.9	.0	15.2
I. Link I	-650	-6	-150	-6	* AG	2043	8.9	.0	12.8
J. Link J	-150	-6	0	-6	* AG	1970	8.9	.0	12.8
K. Link K	0	-6	150	-6	* AG	1966	8.9	.0	12.8
L. Link L	150	-6	650	-6	* AG	2170	8.9	.0	12.8
M. Link M	650	6	150	6	* AG	1286	8.9	.0	12.8
N. Link N	150	6	0	6	* AG	780	8.9	.0	12.8
O. Link O	0	6	-150	6	* AG	775	8.9	.0	12.8
P. Link P	-150	6	-650	6	* AG	861	8.9	.0	12.8
Q. Link Q	-9	150	0	0	* AG	204	8.9	.0	15.2
R. Link R	0	0	9	-150	* AG	364	8.9	.0	15.2
S. Link S	-150	-6	0	0	* AG	73	8.9	.0	12.8
T. Link T	0	0	150	6	* AG	506	8.9	.0	12.8

III. RECEPTOR LOCATIONS

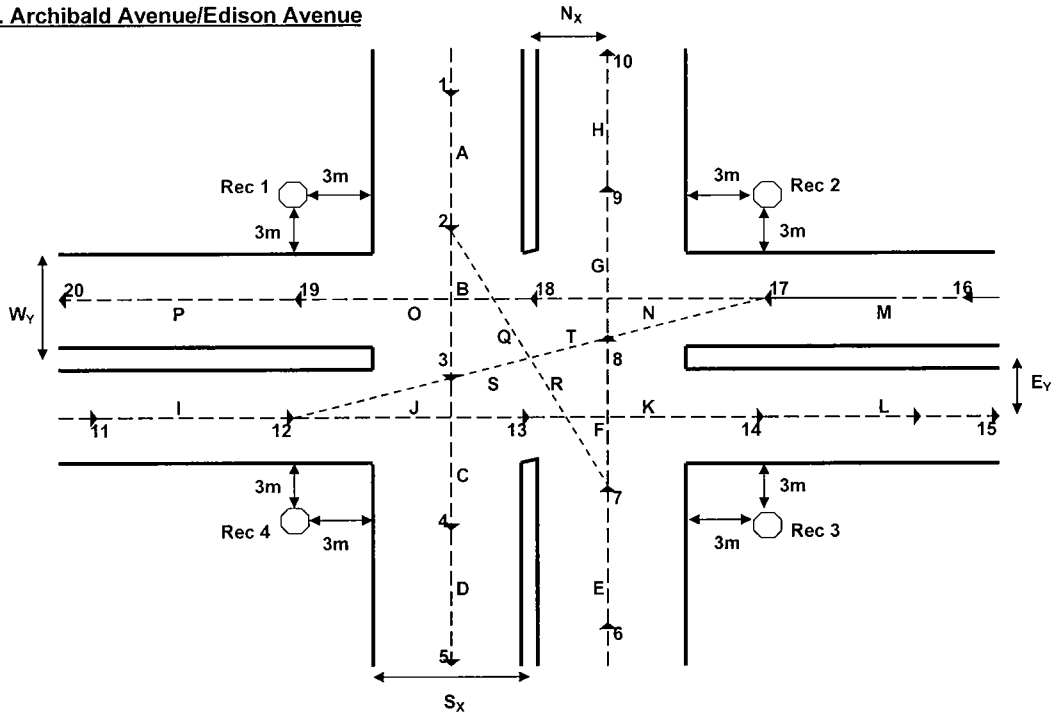
RECEPTOR	* X	* Y	* Z
1. Recpt 1	-18	16	1.8
2. Recpt 2	18	16	1.8
3. Recpt 3	18	-16	1.8
4. Recpt 4	-18	-16	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)						
						D	E	F	G	H		
1. Recpt 1	175.	6.0	.0	.0	1.4	.4	.5	.0	.0	.0		
2. Recpt 2	186.	5.8	.0	.0	.1	.7	.2	1.0	.0	.0		
3. Recpt 3	354.	5.6	.6	.1	.0	.0	.0	.0	.9	.2		
4. Recpt 4	85.	5.9	.0	.0	.7	.0	.0	.3	.0	.0		

RECEPTOR	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. Recpt 1	.0	.4	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
2. Recpt 2	.0	.0	.4	.0	.0	.2	.0	.0	.0	.1	.0	.1
3. Recpt 3	.0	.0	.6	.0	.0	.2	.0	.0	.0	.0	.0	.1
4. Recpt 4	.0	.0	1.0	.3	.4	.0	.0	.0	.0	.0	.0	.0

6. Archibald Avenue/Edison Avenue



Variables

N_x	8.8	S_x	15.2	E_y	11	W_y	19.5
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Co-ordinates

Point	X	Y
1	-8.80	650.00
2	-8.80	150.00
3	-8.80	0.00
4	-8.80	-150.00
5	-8.80	-650.00
6	8.80	-650.00
7	8.80	-150.00
8	8.80	0.00
9	8.80	150.00
10	8.80	650.00
11	-650.00	-11.00
12	-150.00	-11.00
13	0.00	-11.00
14	150.00	-11.00
15	650.00	-11.00
16	650.00	11.00
17	150.00	11.00
18	0.00	11.00
19	-150.00	11.00
20	-650.00	11.00

Traffic Volumes (PM Peak)

Link	A	B
A	3729	3754
B	3542	3557
C	5172	5195
D	5492	5533
E	3491	3542
F	2653	2693
G	2593	2633
H	2844	2885
I	2653	2674
J	2402	2422
K	808	828
L	995	1025
M	968	996
N	648	658
O	672	674
P	1510	1523
Q	187	197
R	178	188
S	251	252
T	320	338

	142	3400	187		
	←	↓	→		
251 ↑	A - 2015 Without Proj			↑	118
630 →				←	530
1772 ↓				↓	320
	←	↑	→		
	838	2475	178		
	←	↓	→		
	144	3413	197		
252 ↑	B - 2015 with Proj			↑	128
640 →				←	530
1782 ↓				↓	338
	←	↑	→		
	849	2505	188		

Receptors

Point	X	Y
1	-18.20	22.50
2	18.20	22.50
3	18.20	-22.50
4	-18.20	-22.50

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION

JOB: Archibald/Edison-PM No Project
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= 2.9 PPM
 SIGTH= 5. DEGREES TEMP= 12.8 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Link A	* -9	* 650	* -9	* 150	* AG	3729	8.9	.0	15.2
B. Link B	* -9	* 150	* -9	* 0	* AG	3542	8.9	.0	15.2
C. Link C	* -9	* 0	* -9	* -150	* AG	5172	8.9	.0	15.2
D. Link D	* -9	* -150	* -9	* -650	* AG	5492	8.9	.0	15.2
E. Link E	* 9	* -650	* 9	* -150	* AG	3491	8.9	.0	15.2
F. Link F	* 9	* -150	* 9	* 0	* AG	2653	8.9	.0	15.2
G. Link G	* 9	* 0	* 9	* 150	* AG	2593	8.9	.0	15.2
H. Link H	* 9	* 150	* 9	* 650	* AG	2844	8.9	.0	15.2
I. Link I	* -650	* -11	* -150	* -11	* AG	2653	8.9	.0	19.5
J. Link J	* -150	* -11	* 0	* -11	* AG	2402	8.9	.0	19.5
K. Link K	* 0	* -11	* 150	* -11	* AG	808	8.9	.0	19.5
L. Link L	* 150	* -11	* 650	* -11	* AG	995	8.9	.0	19.5
M. Link M	* 650	* 11	* 150	* 11	* AG	968	8.9	.0	19.5
N. Link N	* 150	* 11	* 0	* 11	* AG	648	8.9	.0	19.5
O. Link O	* 0	* 11	* -150	* 11	* AG	672	8.9	.0	19.5
P. Link P	* -150	* 11	* -650	* 11	* AG	1510	8.9	.0	19.5
Q. Link Q	* -9	* 150	* 0	* 0	* AG	187	8.9	.0	15.2
R. Link R	* 0	* 0	* 9	* -150	* AG	178	8.9	.0	15.2
S. Link S	* -150	* -11	* 0	* 0	* AG	251	8.9	.0	19.5
T. Link T	* 0	* 0	* 150	* 11	* AG	320	8.9	.0	19.5

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. Recpt 1	* -18	* 23	* 1.8
2. Recpt 2	* 18	* 23	* 1.8
3. Recpt 3	* 18	* -23	* 1.8
4. Recpt 4	* -18	* -23	* 1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. Recpt 1	* 174.	* 7.8	* .0	* .4	* 2.5	* .5	* .7	* .2	* .0	* .0	
2. Recpt 2	* 186.	* 6.7	* .0	* .0	* .3	* 1.0	* .3	* 1.5	* .3	* .0	
3. Recpt 3	* 275.	* 6.9	* .0	* .0	* .8	* .0	* .0	* .8	* .0	* .0	
4. Recpt 4	* 9.	* 7.4	* .0	* 1.7	* .9	* .0	* .0	* .0	* .4	* .4	

RECEPTOR	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. Recpt 1	* .0	* .4	* .0	* .0	* .0	* .0	* .2	* .0	* .0	* .0	* .0	* .0
2. Recpt 2	* .0	* .0	* .1	* .0	* .0	* .2	* .0	* .0	* .0	* .0	* .0	* .0
3. Recpt 3	* .5	* 1.3	* .0	* .0	* .0	* .0	* .0	* .4	* .0	* .0	* .0	* .0
4. Recpt 4	* .0	* .7	* .0	* .0	* .0	* .0	* .1	* .0	* .0	* .0	* .0	* .0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION

JOB: Archibald/Edison-PM With Project
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= 2.9 PPM
 SIGH= 5. DEGREES TEMP= 12.8 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Link A	* -9	* 650	* -9	* 150	* AG	3754	8.9	.0	15.2
B. Link B	* -9	* 150	* -9	* 0	* AG	3557	8.9	.0	15.2
C. Link C	* -9	* 0	* -9	* -150	* AG	5195	8.9	.0	15.2
D. Link D	* -9	* -150	* -9	* -650	* AG	5533	8.9	.0	15.2
E. Link E	* 9	* -650	* 9	* -150	* AG	3542	8.9	.0	15.2
F. Link F	* 9	* -150	* 9	* 0	* AG	2693	8.9	.0	15.2
G. Link G	* 9	* 0	* 9	* 150	* AG	2633	8.9	.0	15.2
H. Link H	* 9	* 150	* 9	* 650	* AG	2885	8.9	.0	15.2
I. Link I	* -650	* -11	* -150	* -11	* AG	2674	8.9	.0	19.5
J. Link J	* -150	* -11	* 0	* -11	* AG	2422	8.9	.0	19.5
K. Link K	* 0	* -11	* 150	* -11	* AG	828	8.9	.0	19.5
L. Link L	* 150	* -11	* 650	* -11	* AG	1025	8.9	.0	19.5
M. Link M	* 650	* 11	* 150	* 11	* AG	996	8.9	.0	19.5
N. Link N	* 150	* 11	* 0	* 11	* AG	658	8.9	.0	19.5
O. Link O	* 0	* 11	* -150	* 11	* AG	674	8.9	.0	19.5
P. Link P	* -150	* 11	* -650	* 11	* AG	1523	8.9	.0	19.5
Q. Link Q	* -9	* 150	* 0	* 0	* AG	197	8.9	.0	15.2
R. Link R	* 0	* 0	* 9	* -150	* AG	188	8.9	.0	15.2
S. Link S	* -150	* -11	* 0	* 0	* AG	252	8.9	.0	19.5
T. Link T	* 0	* 0	* 150	* 11	* AG	338	8.9	.0	19.5

III. RECEPTOR LOCATIONS

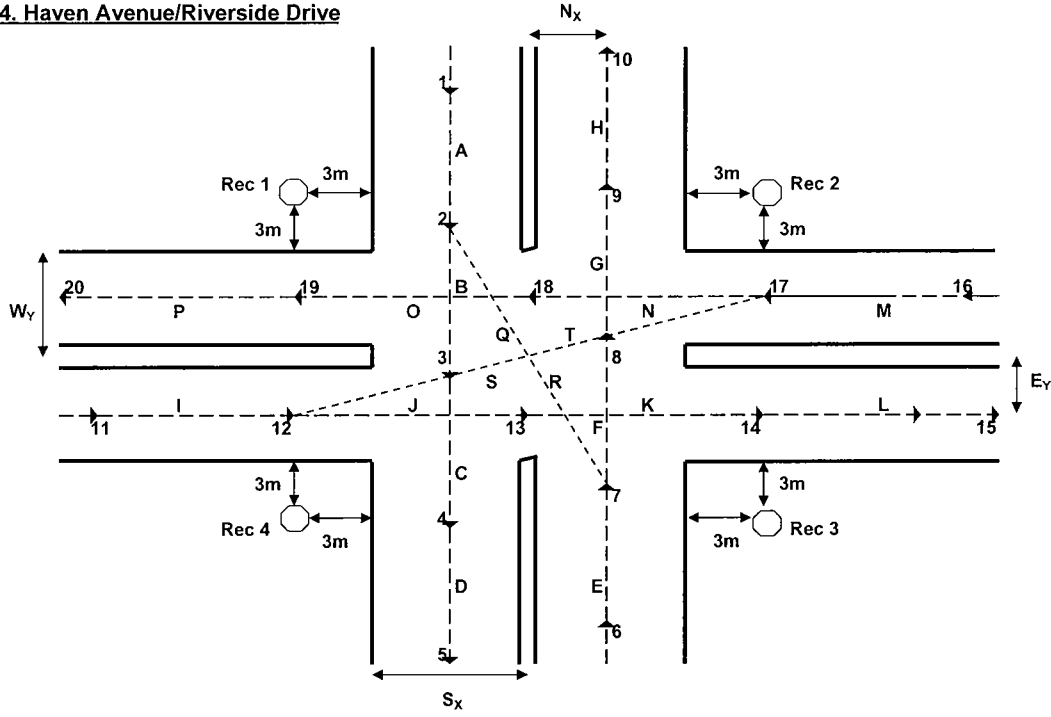
RECEPTOR	* X	* Y	* Z
1. Recpt 1	* -18	* 23	* 1.8
2. Recpt 2	* 18	* 23	* 1.8
3. Recpt 3	* 18	* -23	* 1.8
4. Recpt 4	* -18	* -23	* 1.8

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	* 174.	* 7.8	* .0	* .4	* 2.6	* .5	* .7	* .2	* .0	* .0	* .0	* .0
2. Recpt 2	* 186.	* 6.8	* .0	* .0	* .3	* 1.0	* .3	* 1.5	* .3	* .0	* .0	* .0
3. Recpt 3	* 275.	* 6.9	* .0	* .0	* .8	* .0	* .0	* .8	* .0	* .0	* .0	* .0
4. Recpt 4	* 9.	* 7.4	* .0	* 1.7	* 1.0	* .0	* .0	* .0	* .4	* .4	* .0	* .0

RECEPTOR	CONC/LINK (PPM)											
	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. Recpt 1	* .0	* .4	* .0	* .0	* .0	* .0	* .2	* .0	* .0	* .0	* .0	* .0
2. Recpt 2	* .0	* .0	* .1	* .0	* .0	* .2	* .0	* .0	* .0	* .0	* .0	* .0
3. Recpt 3	* .5	* 1.3	* .0	* .0	* .0	* .0	* .0	* .4	* .0	* .0	* .0	* .0
4. Recpt 4	* .0	* .7	* .0	* .0	* .0	* .0	* .1	* .0	* .0	* .0	* .0	* .0

14. Haven Avenue/Riverside Drive



Variables

N _x	6.4	S _x	12.8	E _y	6.4	W _y	12.8
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Co-ordinates

Point	X	Y
1	-6.40	650.00
2	-6.40	150.00
3	-6.40	0.00
4	-6.40	-150.00
5	-6.40	-650.00
6	6.40	-650.00
7	6.40	-150.00
8	6.40	0.00
9	6.40	150.00
10	6.40	650.00
11	-650.00	-6.40
12	-150.00	-6.40
13	0.00	-6.40
14	150.00	-6.40
15	650.00	-6.40
16	650.00	6.40
17	150.00	6.40
18	0.00	6.40
19	-150.00	6.40
20	-650.00	6.40

Traffic Volumes (AM Peak)

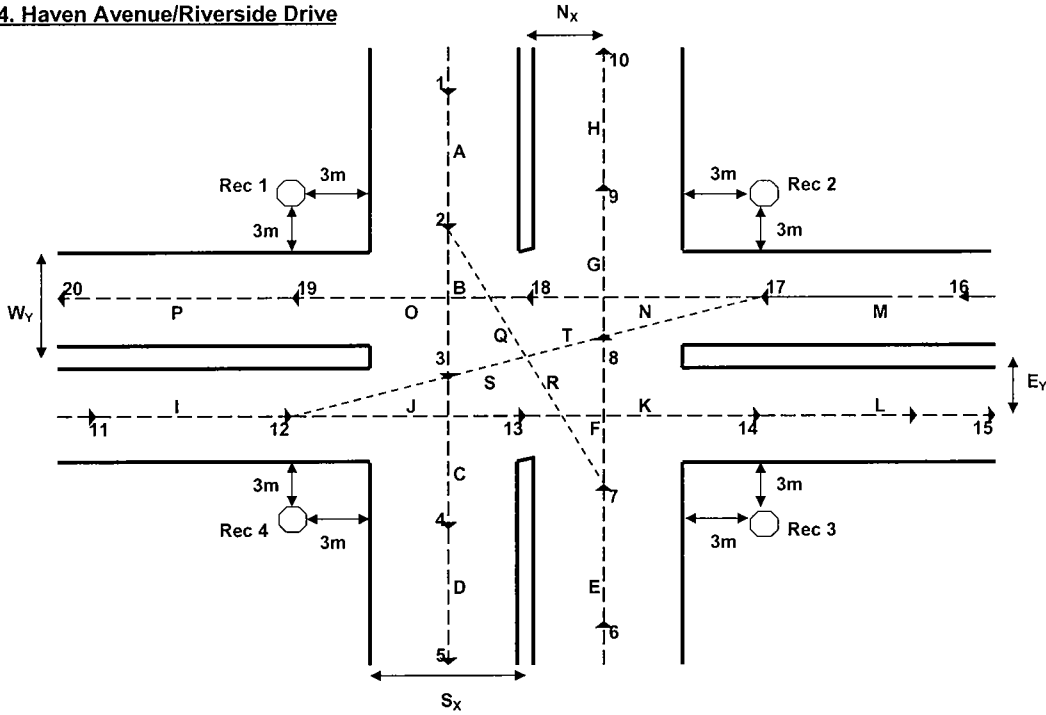
Link	A	B
A	350	402
B	253	305
C	247	299
D	269	357
E	801	976
F	753	928
G	834	971
H	1118	1255
I	1268	1268
J	984	984
K	975	1013
L	1072	1110
M	1122	1158
N	1100	1100
O	1034	1034
P	1082	1082
Q	97	97
R	11	49
S	284	284
T	22	58

	26	227	97		
	←	↓	→		
284 ↑	A - 2015 Without Proj			↑	92
964 →				←	1008
20 ↓				↓	22
	←	↑	→		
	48	742	11		
	26	279	97		
	←	↓	→		
284 ↑	B - 2015 with Proj			↑	92
964 →				←	1008
20 ↓				↓	58
	←	↑	→		
	48	879	49		

Receptors

Point	X	Y
1	-15.80	15.80
2	15.80	15.80
3	15.80	-15.80
4	-15.80	-15.80

14. Haven Avenue/Riverside Drive



Variables

N_x	6.4	S_x	12.8	E_y	6.4	W_y	12.8
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Co-ordinates

Point	X	Y
1	-6.40	650.00
2	-6.40	150.00
3	-6.40	0.00
4	-6.40	-150.00
5	-6.40	-650.00
6	6.40	-650.00
7	6.40	-150.00
8	6.40	0.00
9	6.40	150.00
10	6.40	650.00
11	-650.00	-6.40
12	-150.00	-6.40
13	0.00	-6.40
14	150.00	-6.40
15	650.00	-6.40
16	650.00	6.40
17	150.00	6.40
18	0.00	6.40
19	-150.00	6.40
20	-650.00	6.40

Traffic Volumes (PM Peak)

Link	A	B
A	1045	1190
B	829	974
C	763	908
D	896	1128
E	1600	1799
F	1563	1762
G	562	681
H	827	946
I	1845	1845
J	1580	1580
K	2637	2717
L	2853	2933
M	332	1419
N	199	1199
O	209	1209
P	246	1246
Q	216	216
R	1088	1168
S	265	265
T	133	220

		97	732	216	
		←	↓	→	
265	↑	A - 2015 Without Proj			↑ 87
1549	→	A - 2015 Without Proj			← 112
31	↓	A - 2015 Without Proj			↓ 133
		←	↑	→	
		37	475	1088	
		97	877	216	
		←	↓	→	
265	↑	B - 2015 with Proj			↑ 87
1549	→	B - 2015 with Proj			← 1112
31	↓	B - 2015 with Proj			↓ 220
		←	↑	→	
		37	594	1168	

Receptors

Point	X	Y
1	-15.80	15.80
2	15.80	15.80
3	15.80	-15.80
4	-15.80	-15.80

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION

JOB: Haven/Riverside-PM No Project
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= 2.9 PPM
 SIGTH= 5. DEGREES TEMP= 12.8 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Link A	* -6	* 650	* -6	* 150	* AG	1045	8.9	.0	12.8
B. Link B	* -6	* 150	* -6	* 0	* AG	829	8.9	.0	12.8
C. Link C	* -6	* 0	* -6	* -150	* AG	763	8.9	.0	12.8
D. Link D	* -6	* -150	* -6	* -650	* AG	896	8.9	.0	12.8
E. Link E	* 6	* -650	* 6	* -150	* AG	1600	8.9	.0	12.8
F. Link F	* 6	* -150	* 6	* 0	* AG	1563	8.9	.0	12.8
G. Link G	* 6	* 0	* 6	* 150	* AG	562	8.9	.0	12.8
H. Link H	* 6	* 150	* 6	* 650	* AG	827	8.9	.0	12.8
I. Link I	* -650	* -6	* -150	* -6	* AG	1845	8.9	.0	12.8
J. Link J	* -150	* -6	* 0	* -6	* AG	1580	8.9	.0	12.8
K. Link K	* 0	* -6	* 150	* -6	* AG	2637	8.9	.0	12.8
L. Link L	* 150	* -6	* 650	* -6	* AG	2853	8.9	.0	12.8
M. Link M	* 650	* 6	* 150	* 6	* AG	332	8.9	.0	12.8
N. Link N	* 150	* 6	* 0	* 6	* AG	199	8.9	.0	12.8
O. Link O	* 0	* 6	* -150	* 6	* AG	209	8.9	.0	12.8
P. Link P	* -150	* 6	* -650	* 6	* AG	246	8.9	.0	12.8
Q. Link Q	* -6	* 150	* 0	* 0	* AG	216	8.9	.0	12.8
R. Link R	* 0	* 0	* 6	* -150	* AG	1088	8.9	.0	12.8
S. Link S	* -150	* -6	* 0	* 0	* AG	265	8.9	.0	12.8
T. Link T	* 0	* 0	* 150	* 6	* AG	133	8.9	.0	12.8

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. Recpt 1	* -16	* 16	* 1.8
2. Recpt 2	* 16	* 16	* 1.8
3. Recpt 3	* 16	* -16	* 1.8
4. Recpt 4	* -16	* -16	* 1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)						
						D	E	F	G	H		
1. Recpt 1	* 168.	* 4.8	* .0	* .0	* .5	* .0	* .0	* .5	* .0	* .0		
2. Recpt 2	* 186.	* 5.4	* .0	* .0	* .1	* .3	* .2	* .9	* .0	* .0		
3. Recpt 3	* 275.	* 5.2	* .0	* .0	* .2	* .0	* .0	* .5	* .0	* .0		
4. Recpt 4	* 85.	* 5.5	* .0	* .0	* .2	* .0	* .0	* .3	* .0	* .0		

RECEPTOR	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. Recpt 1	* .0	* .3	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .5	* .0	* .0
2. Recpt 2	* .0	* .0	* .5	* .0	* .0	* .0	* .0	* .0	* .0	* .4	* .0	* .0
3. Recpt 3	* .3	* .9	* .0	* .0	* .0	* .0	* .0	* .1	* .0	* .3	* .1	* .0
4. Recpt 4	* .0	* .0	* 1.3	* .4	* .1	* .0	* .0	* .0	* .0	* .2	* .0	* .0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION

JOB: Haven/Riverside-PM With Project
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= 2.9 PPM
 SIGTH= 5. DEGREES TEMP= 12.8 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Link A	* -6	* 650	* -6	* 150	* AG	1190	8.9	.0	12.8
B. Link B	* -6	* 150	* -6	* 0	* AG	974	8.9	.0	12.8
C. Link C	* -6	* 0	* -6	* -150	* AG	908	8.9	.0	12.8
D. Link D	* -6	* -150	* -6	* -650	* AG	1128	8.9	.0	12.8
E. Link E	* 6	* -650	* 6	* -150	* AG	1799	8.9	.0	12.8
F. Link F	* 6	* -150	* 6	* 0	* AG	1762	8.9	.0	12.8
G. Link G	* 6	* 0	* 6	* 150	* AG	681	8.9	.0	12.8
H. Link H	* 6	* 150	* 6	* 650	* AG	946	8.9	.0	12.8
I. Link I	* -650	* -6	* -150	* -6	* AG	1845	8.9	.0	12.8
J. Link J	* -150	* -6	* 0	* -6	* AG	1580	8.9	.0	12.8
K. Link K	* 0	* -6	* 150	* -6	* AG	2717	8.9	.0	12.8
L. Link L	* 150	* -6	* 650	* -6	* AG	2933	8.9	.0	12.8
M. Link M	* 650	* 6	* 150	* 6	* AG	1419	8.9	.0	12.8
N. Link N	* 150	* 6	* 0	* 6	* AG	1199	8.9	.0	12.8
O. Link O	* 0	* 6	* -150	* 6	* AG	1209	8.9	.0	12.8
P. Link P	* -150	* 6	* -650	* 6	* AG	1246	8.9	.0	12.8
Q. Link Q	* -6	* 150	* 0	* 0	* AG	216	8.9	.0	12.8
R. Link R	* 0	* 0	* 6	* -150	* AG	1168	8.9	.0	12.8
S. Link S	* -150	* -6	* 0	* 0	* AG	265	8.9	.0	12.8
T. Link T	* 0	* 0	* 150	* 6	* AG	220	8.9	.0	12.8

III. RECEPTOR LOCATIONS

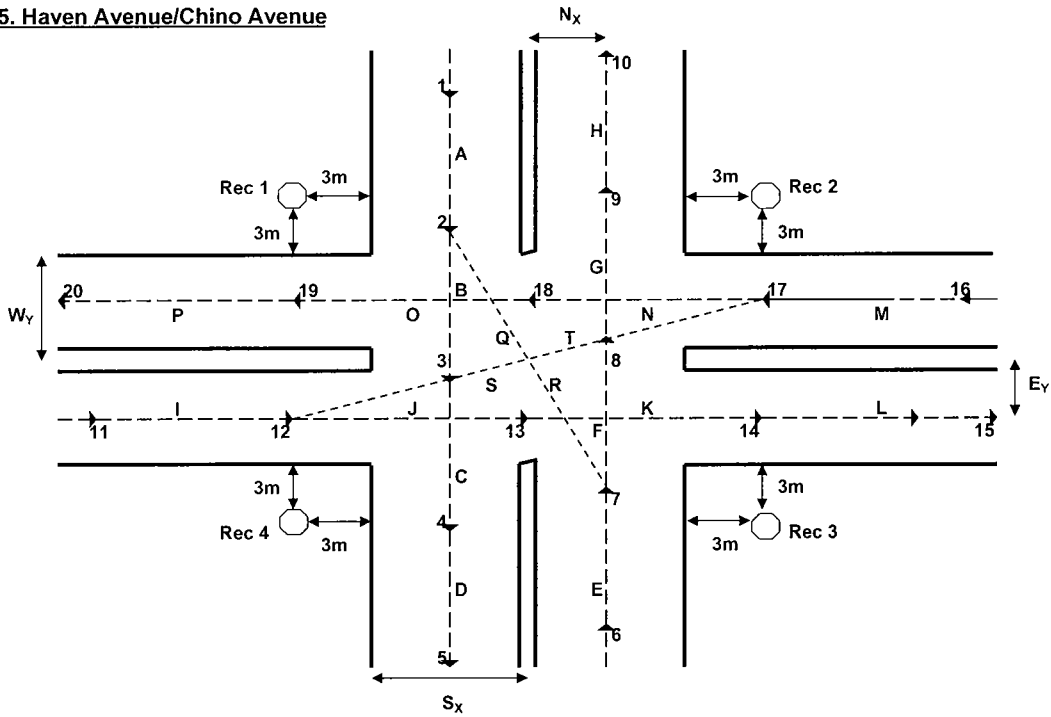
RECEPTOR	* X	* Y	* Z
1. Recpt 1	* -16	* 16	* 1.8
2. Recpt 2	* 16	* 16	* 1.8
3. Recpt 3	* 16	* -16	* 1.8
4. Recpt 4	* -16	* -16	* 1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)								
						D	E	F	G	H				
1. Recpt 1	* 168.	* 5.3	* .0	* .0	* .5	.0	.0	.5	.0	.0	.0	.0	.0	.0
2. Recpt 2	* 186.	* 5.9	* .0	* .0	* .1	.3	.2	1.0	.0	.0	.0	.0	.0	.0
3. Recpt 3	* 275.	* 5.7	* .0	* .0	* .2	.0	.0	.5	.0	.0	.0	.0	.0	.0
4. Recpt 4	* 85.	* 6.0	* .0	* .0	* .3	.0	.0	.3	.0	.0	.0	.0	.0	.0

RECEPTOR	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. Recpt 1	* .0	* .3	* .0	* .0	* .0	* .0	* .4	* .0	* .0	* .5	* .0	* .0
2. Recpt 2	* .0	* .0	* .5	* .0	* .0	* .4	* .0	* .0	* .0	* .4	* .0	* .0
3. Recpt 3	* .3	* .9	* .0	* .0	* .0	* .0	* .1	* .4	* .0	* .3	* .1	* .0
4. Recpt 4	* .0	* .0	* 1.3	* .4	* .4	* .1	* .0	* .0	* .0	* .3	* .0	* .0

15. Haven Avenue/Chino Avenue



Variables

N_x	6.4	S_x	12.8	E_y	6.4	W_y	12.8
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Co-ordinates

Point	X	Y
1	-6.40	650.00
2	-6.40	150.00
3	-6.40	0.00
4	-6.40	-150.00
5	-6.40	-650.00
6	6.40	-650.00
7	6.40	-150.00
8	6.40	0.00
9	6.40	150.00
10	6.40	650.00
11	-650.00	-6.40
12	-150.00	-6.40
13	0.00	-6.40
14	150.00	-6.40
15	650.00	-6.40
16	650.00	6.40
17	150.00	6.40
18	0.00	6.40
19	-150.00	6.40
20	-650.00	6.40

Traffic Volumes (AM Peak)

Link	A	B
A	1268	1317
B	1081	1130
C	1110	1232
D	2190	2455
E	1415	1623
F	1355	1563
G	600	690
H	2122	2212
I	2752	2825
J	1230	1303
K	1999	2169
L	2186	2356
M	2795	2990
N	1715	1767
O	1672	1672
P	1732	1732
Q	187	187
R	850	1020
S	1522	1522
T	1080	1223

		52	1029	187		
		←	↓	→		
1522	↑	A - 2015 Without Proj			↑	95
1149	→	A - 2015 Without Proj			←	1620
81	↓	A - 2015 Without Proj			↓	1080
		←	↑	→		
		60	505	850		
		52	1078	187		
		←	↓	→		
1522	↑	B - 2015 with Proj			↑	147
1149	→	B - 2015 with Proj			←	1620
154	↓	B - 2015 with Proj			↓	1223
		←	↑	→		
		60	543	1020		

Receptors

Point	X	Y
1	-15.80	15.80
2	15.80	15.80
3	15.80	-15.80
4	-15.80	-15.80

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION

JOB: Haven/Chino-AM No Project
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= .0 CM/S
CLAS= 7 (G) VS= .0 CM/S
MIXH= 1000. M AMB= 2.9 PPM
SIGTH= 5. DEGREES TEMP= 12.8 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Link A	* -6	* 650	* -6	* 150	* AG	1268	8.9	.0	12.8
B. Link B	* -6	* 150	* -6	* 0	* AG	1081	8.9	.0	12.8
C. Link C	* -6	* 0	* -6	* -150	* AG	1110	8.9	.0	12.8
D. Link D	* -6	* -150	* -6	* -650	* AG	2190	8.9	.0	12.8
E. Link E	* 6	* -650	* 6	* -150	* AG	1415	8.9	.0	12.8
F. Link F	* 6	* -150	* 6	* 0	* AG	1355	8.9	.0	12.8
G. Link G	* 6	* 0	* 6	* 150	* AG	600	8.9	.0	12.8
H. Link H	* 6	* 150	* 6	* 650	* AG	2122	8.9	.0	12.8
I. Link I	* -650	* -6	* -150	* -6	* AG	2752	8.9	.0	12.8
J. Link J	* -150	* -6	* 0	* -6	* AG	1230	8.9	.0	12.8
K. Link K	* 0	* -6	* 150	* -6	* AG	1999	8.9	.0	12.8
L. Link L	* 150	* -6	* 650	* -6	* AG	2186	8.9	.0	12.8
M. Link M	* 650	* 6	* 150	* 6	* AG	2795	8.9	.0	12.8
N. Link N	* 150	* 6	* 0	* 6	* AG	1715	8.9	.0	12.8
O. Link O	* 0	* 6	* -150	* 6	* AG	1672	8.9	.0	12.8
P. Link P	* -150	* 6	* -650	* 6	* AG	1732	8.9	.0	12.8
Q. Link Q	* -6	* 150	* 0	* 0	* AG	187	8.9	.0	12.8
R. Link R	* 0	* 0	* 6	* -150	* AG	850	8.9	.0	12.8
S. Link S	* -150	* -6	* 0	* 0	* AG	1522	8.9	.0	12.8
T. Link T	* 0	* 0	* 150	* 6	* AG	1080	8.9	.0	12.8

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. Recpt 1	* -16	* 16	* 1.8
2. Recpt 2	* 16	* 16	* 1.8
3. Recpt 3	* 16	* -16	* 1.8
4. Recpt 4	* -16	* -16	* 1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)								
						D	E	F	G	H				
1. Recpt 1	* 95.	* 5.8	* .0	* .3	* .0	.0	.0	.0	.1	.0				
2. Recpt 2	* 185.	* 6.0	* .0	* .0	* .0	.5	.3	.8	.0	.0				
3. Recpt 3	* 275.	* 5.9	* .0	* .0	* .2	.0	.0	.4	.0	.0				
4. Recpt 4	* 84.	* 6.0	* .0	* .0	* .3	.0	.0	.3	.0	.0				

RECEPTOR	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. Recpt 1	* .0	* .0	* .1	* .5	* .4	* .9	* .0	* .0	* .0	* .0	* .0	* .4
2. Recpt 2	* .0	* .0	* .4	* .0	* .0	* .5	* .0	* .0	* .0	* .3	* .0	* .3
3. Recpt 3	* .4	* .7	* .0	* .0	* .0	* .0	* .1	* .5	* .0	* .2	* .5	* .0
4. Recpt 4	* .0	* .0	* 1.1	* .2	* .6	* .2	* .0	* .0	* .0	* .2	* .0	* .2

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION

JOB: Haven/Chino-AM With Project
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= 2.9 PPM
 SIGTH= 5. DEGREES TEMP= 12.8 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Link A	* -6	650	-6	150	* AG	1317	8.9	.0	12.8
B. Link B	* -6	150	-6	0	* AG	1130	8.9	.0	12.8
C. Link C	* -6	0	-6	-150	* AG	1232	8.9	.0	12.8
D. Link D	* -6	-150	-6	-650	* AG	2455	8.9	.0	12.8
E. Link E	* 6	-650	6	-150	* AG	1623	8.9	.0	12.8
F. Link F	* 6	-150	6	0	* AG	1563	8.9	.0	12.8
G. Link G	* 6	0	6	150	* AG	690	8.9	.0	12.8
H. Link H	* 6	150	6	650	* AG	2212	8.9	.0	12.8
I. Link I	* -650	-6	-150	-6	* AG	2825	8.9	.0	12.8
J. Link J	* -150	-6	0	-6	* AG	1303	8.9	.0	12.8
K. Link K	* 0	-6	150	-6	* AG	2169	8.9	.0	12.8
L. Link L	* 150	-6	650	-6	* AG	2356	8.9	.0	12.8
M. Link M	* 650	6	150	6	* AG	2990	8.9	.0	12.8
N. Link N	* 150	6	0	6	* AG	1767	8.9	.0	12.8
O. Link O	* 0	6	-150	6	* AG	1672	8.9	.0	12.8
P. Link P	* -150	6	-650	6	* AG	1732	8.9	.0	12.8
Q. Link Q	* -6	150	0	0	* AG	187	8.9	.0	12.8
R. Link R	* 0	0	6	-150	* AG	1020	8.9	.0	12.8
S. Link S	* -150	-6	0	0	* AG	1522	8.9	.0	12.8
T. Link T	* 0	0	150	6	* AG	1223	8.9	.0	12.8

III. RECEPTOR LOCATIONS

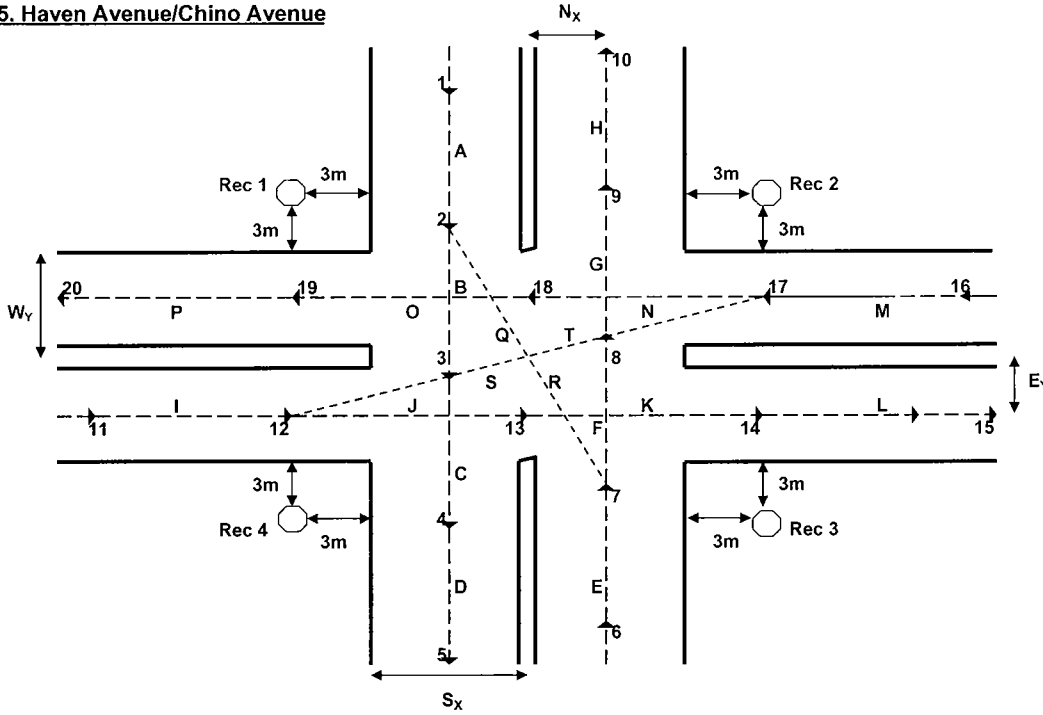
RECEPTOR	* X	Y	Z
1. Recpt 1	* -16	16	1.8
2. Recpt 2	* 16	16	1.8
3. Recpt 3	* 16	-16	1.8
4. Recpt 4	* -16	-16	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)						
						D	E	F	G	H		
1. Recpt 1	* 174.	* 5.8	* .0	.0	.8	.2	.4	.2	.0	.0		
2. Recpt 2	* 185.	* 6.3	* .0	.0	.1	.6	.3	.9	.0	.0		
3. Recpt 3	* 275.	* 6.1	* .0	.0	.2	.0	.0	.5	.0	.0		
4. Recpt 4	* 84.	* 6.2	* .0	.0	.4	.0	.0	.3	.0	.0		

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. Recpt 1	* .0	.2	.0	.0	.0	.0	.5	.0	.0	.2	.3	.0
2. Recpt 2	* .0	.0	.4	.0	.0	.5	.0	.0	.0	.3	.0	.3
3. Recpt 3	* .4	.8	.0	.0	.0	.0	.1	.5	.0	.2	.5	.0
4. Recpt 4	* .0	.0	1.2	.2	.6	.2	.0	.0	.0	.2	.0	.2

15. Haven Avenue/Chino Avenue



Variables

N_x	6.4	S_x	12.8	E_y	6.4	W_y	12.8
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Co-ordinates

Point	X	Y
1	-6.40	650.00
2	-6.40	150.00
3	-6.40	0.00
4	-6.40	-150.00
5	-6.40	-650.00
6	6.40	-650.00
7	6.40	-150.00
8	6.40	0.00
9	6.40	150.00
10	6.40	650.00
11	-650.00	-6.40
12	-150.00	-6.40
13	0.00	-6.40
14	150.00	-6.40
15	650.00	-6.40
16	650.00	6.40
17	150.00	6.40
18	0.00	6.40
19	-150.00	6.40
20	-650.00	6.40

Traffic Volumes (PM Peak)

Link	A	B
A	774	970
B	682	832
C	757	907
D	1508	1808
E	1077	1196
F	1033	1152
G	384	508
H	1494	1630
I	2019	2081
J	909	959
K	1522	1598
L	1614	1736
M	2022	2203
N	1271	1302
O	1232	1232
P	1276	1276
Q	92	138
R	726	752
S	1110	1122
T	751	901

		38	644	92		
		←	↓	→		
1110	↑	A - 2015 Without Proj			↑	77
796	→				←	1194
113	↓				↓	751
		←	↑	→		
		44	307	726		
		38	794	138		
		←	↓	→		
1122	↑	B - 2015 with Proj			↑	108
846	→				←	1194
113	↓				↓	901
		←	↑	→		
		44	400	752		

Receptors

Point	X	Y
1	-15.80	15.80
2	15.80	15.80
3	15.80	-15.80
4	-15.80	-15.80

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION

JOB: Haven/Chino-PM No Project
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= 2.9 PPM
 SIGTH= 5. DEGREES TEMP= 12.8 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Link A	* -6	* 650	* -6	* 150	* AG	774	8.9	.0	12.8
B. Link B	* -6	* 150	* -6	* 0	* AG	682	8.9	.0	12.8
C. Link C	* -6	* 0	* -6	* -150	* AG	757	8.9	.0	12.8
D. Link D	* -6	* -150	* -6	* -650	* AG	1508	8.9	.0	12.8
E. Link E	* 6	* -650	* 6	* -150	* AG	1077	8.9	.0	12.8
F. Link F	* 6	* -150	* 6	* 0	* AG	1033	8.9	.0	12.8
G. Link G	* 6	* 0	* 6	* 150	* AG	384	8.9	.0	12.8
H. Link H	* 6	* 150	* 6	* 650	* AG	1494	8.9	.0	12.8
I. Link I	* -650	* -6	* -150	* -6	* AG	2019	8.9	.0	12.8
J. Link J	* -150	* -6	* 0	* -6	* AG	909	8.9	.0	12.8
K. Link K	* 0	* -6	* 150	* -6	* AG	1522	8.9	.0	12.8
L. Link L	* 150	* -6	* 650	* -6	* AG	1614	8.9	.0	12.8
M. Link M	* 650	* 6	* 150	* 6	* AG	2022	8.9	.0	12.8
N. Link N	* 150	* 6	* 0	* 6	* AG	1271	8.9	.0	12.8
O. Link O	* 0	* 6	* -150	* 6	* AG	1232	8.9	.0	12.8
P. Link P	* -150	* 6	* -650	* 6	* AG	1276	8.9	.0	12.8
Q. Link Q	* -6	* 150	* 0	* 0	* AG	92	8.9	.0	12.8
R. Link R	* 0	* 0	* 6	* -150	* AG	726	8.9	.0	12.8
S. Link S	* -150	* -6	* 0	* 0	* AG	1110	8.9	.0	12.8
T. Link T	* 0	* 0	* 150	* 6	* AG	751	8.9	.0	12.8

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. Recpt 1	* -18	* 16	* 1.8
2. Recpt 2	* 18	* 16	* 1.8
3. Recpt 3	* 18	* -16	* 1.8
4. Recpt 4	* -18	* -16	* 1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)								
						D	E	F	G	H				
1. Recpt 1	* 95.	* 5.1	* .0	* .2	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. Recpt 2	* 186.	* 5.1	* .0	* .0	* .0	.4	.2	.5	.0	.0	.0	.0	.0	.0
3. Recpt 3	* 275.	* 5.2	* .0	* .0	* .1	.0	.0	.3	.0	.0	.0	.0	.0	.0
4. Recpt 4	* 84.	* 5.3	* .0	* .0	* .2	.0	.0	.2	.0	.0	.0	.0	.0	.0

RECEPTOR	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. Recpt 1	* .0	* .0	* .1	* .4	* .3	* .7	* .0	* .0	* .0	* .0	* .0	* .3
2. Recpt 2	* .0	* .0	* .3	* .0	* .0	* .4	* .0	* .0	* .0	* .2	* .0	* .2
3. Recpt 3	* .3	* .6	* .0	* .0	* .0	* .1	* .4	* .0	* .2	* .4	* .0	* .0
4. Recpt 4	* .0	* .0	* .9	* .2	* .5	* .2	* .0	* .0	* .0	* .2	* .0	* .2

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION

JOB: Haven/Chino-PM With Project
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= 2.9 PPM
 SIGTH= 5. DEGREES TEMP= 12.8 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Link A	* -6	650	-6	150	* AG	970	8.9	.0	12.8
B. Link B	* -6	150	-6	0	* AG	832	8.9	.0	12.8
C. Link C	* -6	0	-6	-150	* AG	907	8.9	.0	12.8
D. Link D	* -6	-150	-6	-650	* AG	1808	8.9	.0	12.8
E. Link E	* 6	-650	6	-150	* AG	1196	8.9	.0	12.8
F. Link F	* 6	-150	6	0	* AG	1152	8.9	.0	12.8
G. Link G	* 6	0	6	150	* AG	508	8.9	.0	12.8
H. Link H	* 6	150	6	650	* AG	1630	8.9	.0	12.8
I. Link I	* -650	-6	-150	-6	* AG	2081	8.9	.0	12.8
J. Link J	* -150	-6	0	-6	* AG	959	8.9	.0	12.8
K. Link K	* 0	-6	150	-6	* AG	1598	8.9	.0	12.8
L. Link L	* 150	-6	650	-6	* AG	1736	8.9	.0	12.8
M. Link M	* 650	6	150	6	* AG	2203	8.9	.0	12.8
N. Link N	* 150	6	0	6	* AG	1302	8.9	.0	12.8
O. Link O	* 0	6	-150	6	* AG	1232	8.9	.0	12.8
P. Link P	* -150	6	-650	6	* AG	1276	8.9	.0	12.8
Q. Link Q	* -6	150	0	0	* AG	138	8.9	.0	12.8
R. Link R	* 0	0	6	-150	* AG	752	8.9	.0	12.8
S. Link S	* -150	-6	0	0	* AG	1122	8.9	.0	12.8
T. Link T	* 0	0	150	6	* AG	901	8.9	.0	12.8

III. RECEPTOR LOCATIONS

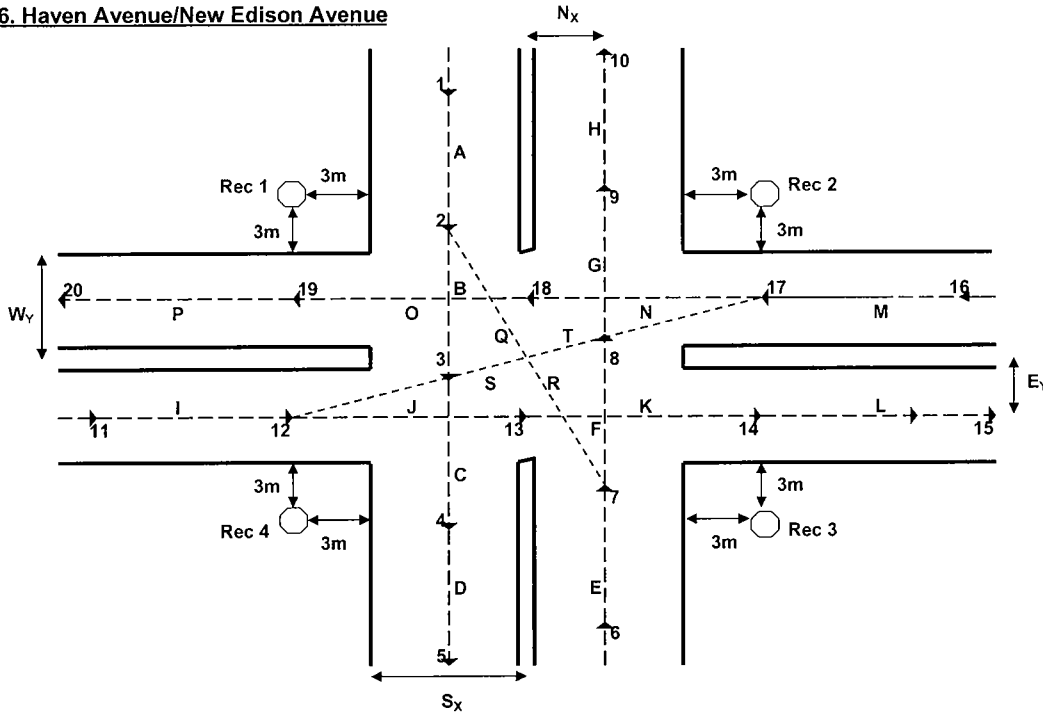
RECEPTOR	* X	Y	Z
1. Recpt 1	* -18	16	1.8
2. Recpt 2	* 18	16	1.8
3. Recpt 3	* 18	-16	1.8
4. Recpt 4	* -18	-16	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	A	B	C	D	E	F	G	H
1. Recpt 1	* 95.	* 5.3	* .0	.2	.0	.0	.0	.0	.0	.0
2. Recpt 2	* 186.	* 5.3	* .0	.0	.0	.5	.2	.5	.0	.0
3. Recpt 3	* 275.	* 5.3	* .0	.0	.2	.0	.0	.3	.0	.0
4. Recpt 4	* 84.	* 5.5	* .0	.0	.2	.0	.0	.2	.0	.0

RECEPTOR	* I	J	K	L	M	N	O	P	Q	R	S	T
1. Recpt 1	* .0	.0	.1	.5	.3	.7	.0	.0	.0	.0	.0	.3
2. Recpt 2	* .0	.0	.3	.0	.0	.4	.0	.0	.0	.2	.0	.2
3. Recpt 3	* .3	.6	.0	.0	.0	.0	.1	.4	.0	.2	.4	.0
4. Recpt 4	* .0	.0	.9	.2	.5	.2	.0	.0	.0	.2	.0	.2

16. Haven Avenue/New Edison Avenue



Variables

N_x	6.4	S_x	12.8	E_y	11	W_y	19.5
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Co-ordinates

Point	X	Y
1	-6.40	650.00
2	-6.40	150.00
3	-6.40	0.00
4	-6.40	-150.00
5	-6.40	-650.00
6	6.40	-650.00
7	6.40	-150.00
8	6.40	0.00
9	6.40	150.00
10	6.40	650.00
11	-650.00	-11.00
12	-150.00	-11.00
13	0.00	-11.00
14	150.00	-11.00
15	650.00	-11.00
16	650.00	11.00
17	150.00	11.00
18	0.00	11.00
19	-150.00	11.00
20	-650.00	11.00

Traffic Volumes (AM Peak)

Link	A	B
A	1893	1987
B	1536	1616
C	679	730
D	687	738
E	465	523
F	463	521
G	655	718
H	1475	1545
I	1005	1012
J	185	185
K	190	190
L	547	561
M	478	483
N	470	475
O	1130	1159
P	1132	1161
Q	357	371
R	5	5
S	820	827
T	8	8

		857	679	357		
		←	↓	→		
820	↑	A - 2015 Without Proj			↑	197
185	→	A - 2015 Without Proj			←	273
	↓	A - 2015 Without Proj			↓	8
		←	↑	→		
		2	458	5		
		886	730	371		
		←	↓	→		
827	↑	B - 2015 with Proj			↑	202
185	→	B - 2015 with Proj			←	273
0	↓	B - 2015 with Proj			↓	8
		←	↑	→		
		2	516	5		

Receptors

Point	X	Y
1	-15.80	22.50
2	15.80	22.50
3	15.80	-22.50
4	-15.80	-22.50

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION

JOB: Haven/NewEdison-AM No Project
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= 2.9 PPM
 SIGTH= 5. DEGREES TEMP= 12.8 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Link A	* -6	* 650	* -6	* 150	* AG	1893	8.9	.0	12.8
B. Link B	* -6	* 150	* -6	* 0	* AG	1536	8.9	.0	12.8
C. Link C	* -6	* 0	* -6	* -150	* AG	679	8.9	.0	12.8
D. Link D	* -6	* -150	* -6	* -650	* AG	687	8.9	.0	12.8
E. Link E	* 6	* -650	* 6	* -150	* AG	465	8.9	.0	12.8
F. Link F	* 6	* -150	* 6	* 0	* AG	463	8.9	.0	12.8
G. Link G	* 6	* 0	* 6	* 150	* AG	655	8.9	.0	12.8
H. Link H	* 6	* 150	* 6	* 650	* AG	1475	8.9	.0	12.8
I. Link I	* -650	* -11	* -150	* -11	* AG	1005	8.9	.0	19.5
J. Link J	* -150	* -11	* 0	* -11	* AG	185	8.9	.0	19.5
K. Link K	* 0	* -11	* 150	* -11	* AG	190	8.9	.0	19.5
L. Link L	* 150	* -11	* 650	* -11	* AG	547	8.9	.0	19.5
M. Link M	* 650	* 11	* 150	* 11	* AG	478	8.9	.0	19.5
N. Link N	* 150	* 11	* 0	* 11	* AG	470	8.9	.0	19.5
O. Link O	* 0	* 11	* -150	* 11	* AG	1130	8.9	.0	19.5
P. Link P	* -150	* 11	* -650	* 11	* AG	1132	8.9	.0	19.5
Q. Link Q	* -6	* 150	* 0	* 0	* AG	357	8.9	.0	12.8
R. Link R	* 0	* 0	* 6	* -150	* AG	5	8.9	.0	12.8
S. Link S	* -150	* -11	* 0	* 0	* AG	820	8.9	.0	19.5
T. Link T	* 0	* 0	* 150	* 11	* AG	8	8.9	.0	19.5

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. Recpt 1	* -16	* 23	* 1.8
2. Recpt 2	* 16	* 23	* 1.8
3. Recpt 3	* 16	* -23	* 1.8
4. Recpt 4	* -16	* -23	* 1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. Recpt 1	* 5.	* 4.7	* .4	* .7	* .0	.0	.0	.0	.0	.5	
2. Recpt 2	* 265.	* 4.7	* .0	* .3	* .0	.0	.0	.0	.2	.0	
3. Recpt 3	* 355.	* 4.4	* .5	* .1	* .0	.0	.0	.0	.4	.2	
4. Recpt 4	* 5.	* 5.1	* .3	* .8	* .0	.0	.0	.0	.0	.4	

RECEPTOR	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. Recpt 1	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .1	* .0	* .0	* .0	* .0
2. Recpt 2	* .3	* .0	* .0	* .0	* .0	* .0	* .7	* .3	* .0	* .0	* .0	* .0
3. Recpt 3	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0
4. Recpt 4	* .0	* .0	* .0	* .0	* .0	* .0	* .2	* .0	* .1	* .0	* .2	* .0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION

JOB: Haven/NewEdison-AM With Project
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= 2.9 PPM
 SIGTH= 5. DEGREES TEMP= 12.8 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Link A	* -6	* 650	* -6	* 150	* AG	1987	8.9	.0	12.8
B. Link B	* -6	* 150	* -6	* 0	* AG	1616	8.9	.0	12.8
C. Link C	* -6	* 0	* -6	* -150	* AG	730	8.9	.0	12.8
D. Link D	* -6	* -150	* -6	* -650	* AG	738	8.9	.0	12.8
E. Link E	* 6	* -650	* 6	* -150	* AG	523	8.9	.0	12.8
F. Link F	* 6	* -150	* 6	* 0	* AG	521	8.9	.0	12.8
G. Link G	* 6	* 0	* 6	* 150	* AG	718	8.9	.0	12.8
H. Link H	* 6	* 150	* 6	* 650	* AG	1545	8.9	.0	12.8
I. Link I	* -650	* -11	* -150	* -11	* AG	1012	8.9	.0	19.5
J. Link J	* -150	* -11	* 0	* -11	* AG	185	8.9	.0	19.5
K. Link K	* 0	* -11	* 150	* -11	* AG	190	8.9	.0	19.5
L. Link L	* 150	* -11	* 650	* -11	* AG	561	8.9	.0	19.5
M. Link M	* 650	* 11	* 150	* 11	* AG	483	8.9	.0	19.5
N. Link N	* 150	* 11	* 0	* 11	* AG	475	8.9	.0	19.5
O. Link O	* 0	* 11	* -150	* 11	* AG	1159	8.9	.0	19.5
P. Link P	* -150	* 11	* -650	* 11	* AG	1161	8.9	.0	19.5
Q. Link Q	* -6	* 150	* 0	* 0	* AG	371	8.9	.0	12.8
R. Link R	* 0	* 0	* 6	* -150	* AG	5	8.9	.0	12.8
S. Link S	* -150	* -11	* 0	* 0	* AG	827	8.9	.0	19.5
T. Link T	* 0	* 0	* 150	* 11	* AG	8	8.9	.0	19.5

III. RECEPTOR LOCATIONS

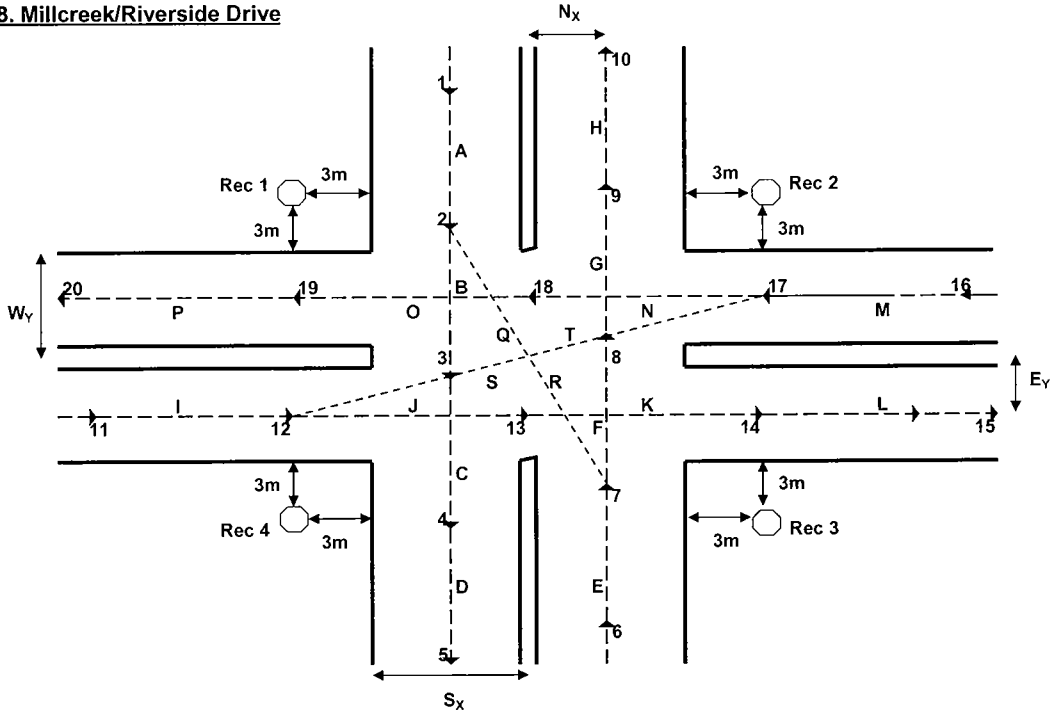
RECEPTOR	* X	* Y	* Z
1. Recpt 1	* -16	* 23	* 1.8
2. Recpt 2	* 16	* 23	* 1.8
3. Recpt 3	* 16	* -23	* 1.8
4. Recpt 4	* -16	* -23	* 1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)						
			D	E	F	G	H					
1. Recpt 1	* 5.	* 4.8	* .5	* .8	* .0	* .0	* .0	* .0	* .0	* .0	* .5	
2. Recpt 2	* 265.	* 4.8	* .0	* .3	* .0	* .0	* .0	* .0	* .0	* .2	* .0	
3. Recpt 3	* 355.	* 4.5	* .5	* .1	* .0	* .0	* .0	* .0	* .0	* .4	* .3	
4. Recpt 4	* 5.	* 5.2	* .3	* .9	* .0	* .0	* .0	* .0	* .0	* .0	* .4	

RECEPTOR	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. Recpt 1	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .1	* .0	* .0	* .0
2. Recpt 2	* .3	* .0	* .0	* .0	* .0	* .0	* .7	* .3	* .0	* .0	* .0	* .0
3. Recpt 3	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0
4. Recpt 4	* .0	* .0	* .0	* .0	* .0	* .0	* .2	* .0	* .1	* .0	* .2	* .0

18. Millcreek/Riverside Drive



Variables

N_x	4.6	S_x	6.7	E_y	6.4	W_y	12.8
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Co-ordinates

Point	X	Y
1	-4.60	650.00
2	-4.60	150.00
3	-4.60	0.00
4	-4.60	-150.00
5	-4.60	-650.00
6	4.60	-650.00
7	4.60	-150.00
8	4.60	0.00
9	4.60	150.00
10	4.60	650.00
11	-650.00	-6.40
12	-150.00	-6.40
13	0.00	-6.40
14	150.00	-6.40
15	650.00	-6.40
16	650.00	6.40
17	150.00	6.40
18	0.00	6.40
19	-150.00	6.40
20	-650.00	6.40

Traffic Volumes (PM Peak)

Link	A	B
A	335	335
B	208	208
C	73	73
D	143	144
E	345	378
F	245	277
G	146	146
H	451	451
I	3206	3282
J	2901	2977
K	3067	3175
L	3194	3302
M	1781	1866
N	1711	1795
O	1779	1863
P	1879	1964
Q	127	127
R	224	256
S	305	305
T	70	71

	193	15	127		
	←	↓	→		
305 ↑	A - 2015 Without Proj			↑	125
2843 →				←	1586
58 ↓				↓	70
	193	15	127		
	←	↓	→		
305 ↑	B - 2015 with Proj			↑	125
2919 →				←	1670
58 ↓				↓	71
	101	21	256		
	←	↑	→		

Receptors

Point	X	Y
1	-9.70	15.80
2	9.70	15.80
3	9.70	-15.80
4	-9.70	-15.80

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION

JOB: Millcreek/Riverside-PM No Project
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= 2.9 PPM
 SIGTH= 5. DEGREES TEMP= 12.8 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Link A	* -5	* 650	* -5	* 150	* AG	335	8.9	.0	10.0
B. Link B	* -5	* 150	* -5	* 0	* AG	208	8.9	.0	10.0
C. Link C	* -5	* 0	* -5	* -150	* AG	73	8.9	.0	10.0
D. Link D	* -5	* -150	* -5	* -650	* AG	143	8.9	.0	10.0
E. Link E	* 5	* -650	* 5	* -150	* AG	345	8.9	.0	10.0
F. Link F	* 5	* -150	* 5	* 0	* AG	245	8.9	.0	10.0
G. Link G	* 5	* 0	* 5	* 150	* AG	146	8.9	.0	10.0
H. Link H	* 5	* 150	* 5	* 650	* AG	451	8.9	.0	10.0
I. Link I	* -650	* -6	* -150	* -6	* AG	3206	8.9	.0	12.8
J. Link J	* -150	* -6	* 0	* -6	* AG	2901	8.9	.0	12.8
K. Link K	* 0	* -6	* 150	* -6	* AG	3067	8.9	.0	12.8
L. Link L	* 150	* -6	* 650	* -6	* AG	3194	8.9	.0	12.8
M. Link M	* 650	* 6	* 150	* 6	* AG	1781	8.9	.0	12.8
N. Link N	* 150	* 6	* 0	* 6	* AG	1711	8.9	.0	12.8
O. Link O	* 0	* 6	* -150	* 6	* AG	1779	8.9	.0	12.8
P. Link P	* -150	* 6	* -650	* 6	* AG	1879	8.9	.0	12.8
Q. Link Q	* -5	* 150	* 0	* 0	* AG	127	8.9	.0	10.0
R. Link R	* 0	* 0	* 5	* -150	* AG	224	8.9	.0	10.0
S. Link S	* -150	* -6	* 0	* 0	* AG	305	8.9	.0	12.8
T. Link T	* 0	* 0	* 150	* 6	* AG	70	8.9	.0	12.8

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. Recpt 1	* -10	* 16	* 1.8
2. Recpt 2	* 10	* 16	* 1.8
3. Recpt 3	* 10	* -16	* 1.8
4. Recpt 4	* -10	* -16	* 1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)								
						D	E	F	G	H				
1. Recpt 1	* 96.	* 5.2	* .0	* .0	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. Recpt 2	* 264.	* 5.2	* .0	* .0	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. Recpt 3	* 276.	* 5.7	* .0	* .0	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. Recpt 4	* 84.	* 5.6	* .0	* .0	* .0	.0	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. Recpt 1	* .0	* .0	* .3	* .6	* .2	* 1.0	* .0	* .0	* .0	* .0	* .0	* .0
2. Recpt 2	* .6	* .2	* .0	* .0	* .0	* .0	* 1.0	* .2	* .0	* .0	* .0	* .0
3. Recpt 3	* .3	* 1.5	* .0	* .0	* .0	* .0	* .2	* .5	* .0	* .0	* .1	* .0
4. Recpt 4	* .0	* .0	* 1.6	* .3	* .4	* .2	* .0	* .0	* .0	* .0	* .0	* .0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION

JOB: Millcreek/Riverside-PM With Project
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= 2.9 PPM
 SIGTH= 5. DEGREES TEMP= 12.8 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Link A	* -5	* 650	* -5	* 150	* AG	335	8.9	.0	10.0
B. Link B	* -5	* 150	* -5	* 0	* AG	208	8.9	.0	10.0
C. Link C	* -5	* 0	* -5	* -150	* AG	73	8.9	.0	10.0
D. Link D	* -5	* -150	* -5	* -650	* AG	144	8.9	.0	10.0
E. Link E	* 5	* -650	* 5	* -150	* AG	378	8.9	.0	10.0
F. Link F	* 5	* -150	* 5	* 0	* AG	277	8.9	.0	10.0
G. Link G	* 5	* 0	* 5	* 150	* AG	146	8.9	.0	10.0
H. Link H	* 5	* 150	* 5	* 650	* AG	451	8.9	.0	10.0
I. Link I	* -650	* -6	* -150	* -6	* AG	3282	8.9	.0	12.8
J. Link J	* -150	* -6	* 0	* -6	* AG	2977	8.9	.0	12.8
K. Link K	* 0	* -6	* 150	* -6	* AG	3175	8.9	.0	12.8
L. Link L	* 150	* -6	* 650	* -6	* AG	3302	8.9	.0	12.8
M. Link M	* 650	* 6	* 150	* 6	* AG	1866	8.9	.0	12.8
N. Link N	* 150	* 6	* 0	* 6	* AG	1795	8.9	.0	12.8
O. Link O	* 0	* 6	* -150	* 6	* AG	1863	8.9	.0	12.8
P. Link P	* -150	* 6	* -650	* 6	* AG	1964	8.9	.0	12.8
Q. Link Q	* -5	* 150	* 0	* 0	* AG	127	8.9	.0	10.0
R. Link R	* 0	* 0	* 5	* -150	* AG	256	8.9	.0	10.0
S. Link S	* -150	* -6	* 0	* 0	* AG	305	8.9	.0	12.8
T. Link T	* 0	* 0	* 150	* 6	* AG	71	8.9	.0	12.8

III. RECEPTOR LOCATIONS

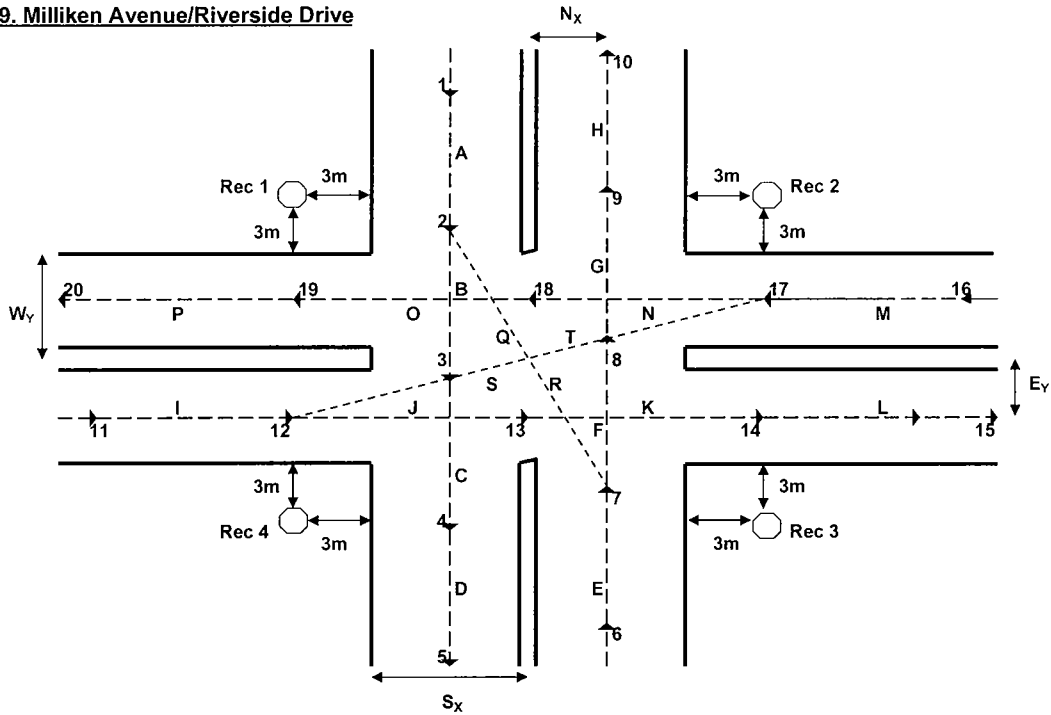
RECEPTOR	* X	* Y	* Z
1. Recpt 1	* -10	* 16	* 1.8
2. Recpt 2	* 10	* 16	* 1.8
3. Recpt 3	* 10	* -16	* 1.8
4. Recpt 4	* -10	* -16	* 1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	* D	* E	* F	* G	* H
1. Recpt 1	* 96.	* 5.3	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0
2. Recpt 2	* 264.	* 5.3	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0
3. Recpt 3	* 276.	* 5.7	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0
4. Recpt 4	* 84.	* 5.7	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0

RECEPTOR	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. Recpt 1	* .0	* .0	* .3	* .6	* .2	* 1.1	* .0	* .0	* .0	* .0	* .0	* .0
2. Recpt 2	* .6	* .3	* .0	* .0	* .0	* .0	* 1.1	* .2	* .0	* .0	* .0	* .0
3. Recpt 3	* .3	* 1.5	* .0	* .0	* .0	* .0	* .2	* .5	* .0	* .0	* .1	* .0
4. Recpt 4	* .0	* .0	* 1.6	* .3	* .5	* .2	* .0	* .0	* .0	* .0	* .0	* .0

19. Milliken Avenue/Riverside Drive



Variables

N _x	8.8	S _x	15.2	E _y	6.4	W _y	12.8
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Co-ordinates

Point	X	Y
1	-8.80	650.00
2	-8.80	150.00
3	-8.80	0.00
4	-8.80	-150.00
5	-8.80	-650.00
6	8.80	-650.00
7	8.80	-150.00
8	8.80	0.00
9	8.80	150.00
10	8.80	650.00
11	-650.00	-6.40
12	-150.00	-6.40
13	0.00	-6.40
14	150.00	-6.40
15	650.00	-6.40
16	650.00	6.40
17	150.00	6.40
18	0.00	6.40
19	-150.00	6.40
20	-650.00	6.40

Traffic Volumes (AM Peak)

Link	A	B
A	1877	1929
B	1769	1821
C	1862	1919
D	2138	2195
E	2154	2197
F	1683	1726
G	1444	1487
H	2296	2361
I	1897	2000
J	1045	1126
K	1022	1082
L	1130	1190
M	723	739
N	447	463
O	616	648
P	1087	1119
Q	108	108
R	297	297
S	852	874
T	276	276

		227	1542	108		
		←	↓	→		
852	↑	A - 2015 Without Proj			↑	58
725	→	A - 2015 Without Proj			←	389
320	↓	A - 2015 Without Proj			↓	276
		←	↑	→		
		471	1386	297		
		243	1578	108		
		←	↓	→		
874	↑	B - 2015 with Proj			↑	58
785	→	B - 2015 with Proj			←	405
341	↓	B - 2015 with Proj			↓	276
		←	↑	→		
		471	1429	297		

Receptors

Point	X	Y
1	-18.20	15.80
2	18.20	15.80
3	18.20	-15.80
4	-18.20	-15.80

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION

JOB: Milliken/Riverside-AM No Project
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= 2.9 PPM
 SIGTH= 5. DEGREES TEMP= 12.8 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Link A	* -9	* 650	* -9	* 150	* AG	1877	8.9	.0	15.2
B. Link B	* -9	* 150	* -9	* 0	* AG	1769	8.9	.0	15.2
C. Link C	* -9	* 0	* -9	* -150	* AG	1862	8.9	.0	15.2
D. Link D	* -9	* -150	* -9	* -650	* AG	2138	8.9	.0	15.2
E. Link E	* 9	* -650	* 9	* -150	* AG	2154	8.9	.0	15.2
F. Link F	* 9	* -150	* 9	* 0	* AG	1682	8.9	.0	15.2
G. Link G	* 9	* 0	* 9	* 150	* AG	1444	8.9	.0	15.2
H. Link H	* 9	* 150	* 9	* 650	* AG	2296	8.9	.0	15.2
I. Link I	* -650	* -6	* -150	* -6	* AG	1897	8.9	.0	12.8
J. Link J	* -150	* -6	* 0	* -6	* AG	1045	8.9	.0	12.8
K. Link K	* 0	* -6	* 150	* -6	* AG	1022	8.9	.0	12.8
L. Link L	* 150	* -6	* 650	* -6	* AG	1130	8.9	.0	12.8
M. Link M	* 650	* 6	* 150	* 6	* AG	723	8.9	.0	12.8
N. Link N	* 150	* 6	* 0	* 6	* AG	447	8.9	.0	12.8
O. Link O	* 0	* 6	* -150	* 6	* AG	616	8.9	.0	12.8
P. Link P	* -150	* 6	* -650	* 6	* AG	1087	8.9	.0	12.8
Q. Link Q	* -9	* 150	* 0	* 0	* AG	108	8.9	.0	15.2
R. Link R	* 0	* 0	* 9	* -150	* AG	297	8.9	.0	15.2
S. Link S	* -150	* -6	* 0	* 0	* AG	852	8.9	.0	12.8
T. Link T	* 0	* 0	* 150	* 6	* AG	276	8.9	.0	12.8

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. Recpt 1	* -18	* 16	* 1.8
2. Recpt 2	* 18	* 16	* 1.8
3. Recpt 3	* 18	* -16	* 1.8
4. Recpt 4	* -18	* -16	* 1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)						
						D	E	F	G	H		
1. Recpt 1	* 175.	* 5.7	* .0	* .0	* 1.1	* .4	* .6	* .0	* .0	* .0		
2. Recpt 2	* 185.	* 5.5	* .0	* .0	* .0	* .6	* .4	* 1.0	* .0	* .0		
3. Recpt 3	* 275.	* 5.4	* .0	* .0	* .3	* .0	* .0	* .5	* .0	* .0		
4. Recpt 4	* 5.	* 5.7	* .3	* 1.1	* .0	* .0	* .0	* .0	* .0	* .6		

RECEPTOR	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. Recpt 1	* .0	* .2	* .0	* .0	* .0	* .0	* .2	* .0	* .0	* .0	* .2	* .0
2. Recpt 2	* .0	* .0	* .2	* .0	* .0	* .1	* .0	* .0	* .0	* .1	* .0	* .0
3. Recpt 3	* .3	* .6	* .0	* .0	* .0	* .0	* .0	* .3	* .0	* .0	* .3	* .0
4. Recpt 4	* .0	* .3	* .0	* .0	* .0	* .0	* .1	* .0	* .0	* .0	* .2	* .0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION

JOB: Milliken/Riverside-AM With Project
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= 2.9 PPM
 SIGTH= 5. DEGREES TEMP= 12.8 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Link A	* -9	* 650	* -9	* 150	* AG	1929	8.9	.0	15.2
B. Link B	* -9	* 150	* -9	* 0	* AG	1821	8.9	.0	15.2
C. Link C	* -9	* 0	* -9	* -150	* AG	1919	8.9	.0	15.2
D. Link D	* -9	* -150	* -9	* -650	* AG	2195	8.9	.0	15.2
E. Link E	* 9	* -650	* 9	* -150	* AG	2197	8.9	.0	15.2
F. Link F	* 9	* -150	* 9	* 0	* AG	1726	8.9	.0	15.2
G. Link G	* 9	* 0	* 9	* 150	* AG	1487	8.9	.0	15.2
H. Link H	* 9	* 150	* 9	* 650	* AG	2361	8.9	.0	15.2
I. Link I	* -650	* -6	* -150	* -6	* AG	2000	8.9	.0	12.8
J. Link J	* -150	* -6	* 0	* -6	* AG	1126	8.9	.0	12.8
K. Link K	* 0	* -6	* 150	* -6	* AG	1082	8.9	.0	12.8
L. Link L	* 150	* -6	* 650	* -6	* AG	1190	8.9	.0	12.8
M. Link M	* 650	* 6	* 150	* 6	* AG	739	8.9	.0	12.8
N. Link N	* 150	* 6	* 0	* 6	* AG	463	8.9	.0	12.8
O. Link O	* 0	* 6	* -150	* 6	* AG	648	8.9	.0	12.8
P. Link P	* -150	* 6	* -650	* 6	* AG	1119	8.9	.0	12.8
Q. Link Q	* -9	* 150	* 0	* 0	* AG	108	8.9	.0	15.2
R. Link R	* 0	* 0	* 9	* -150	* AG	297	8.9	.0	15.2
S. Link S	* -150	* -6	* 0	* 0	* AG	874	8.9	.0	12.8
T. Link T	* 0	* 0	* 150	* 6	* AG	276	8.9	.0	12.8

III. RECEPTOR LOCATIONS

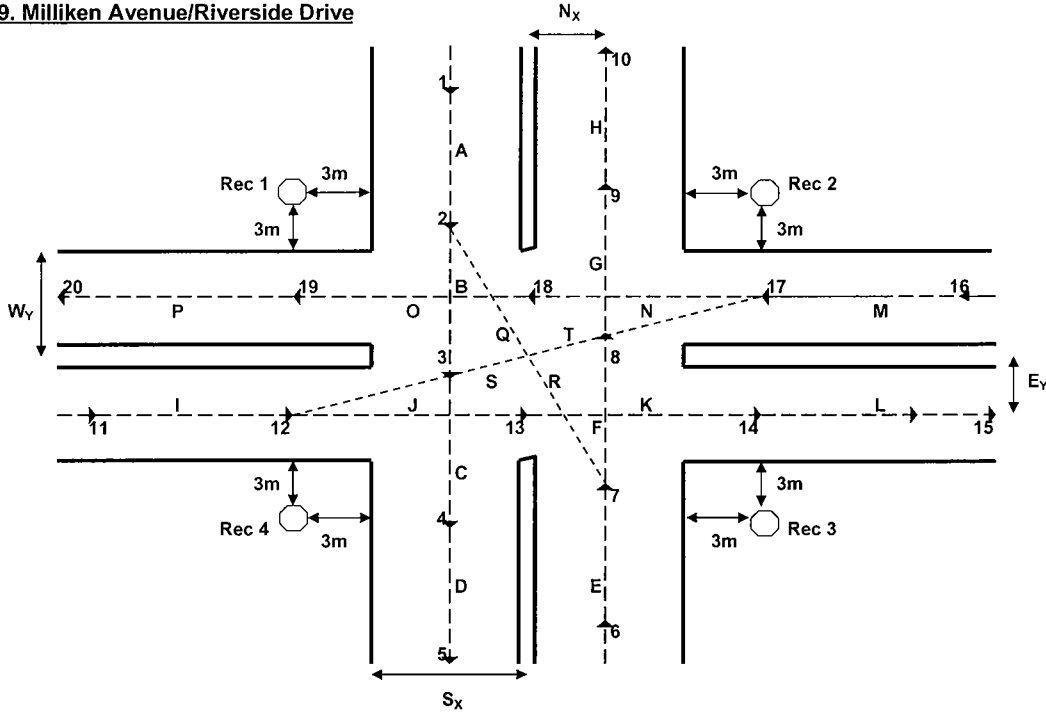
RECEPTOR	* X	* Y	* Z
1. Recpt 1	* -18	* 16	* 1.8
2. Recpt 2	* 18	* 16	* 1.8
3. Recpt 3	* 18	* -16	* 1.8
4. Recpt 4	* -18	* -16	* 1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)						
						D	E	F	G	H		
1. Recpt 1	* 175.	* 5.8	* .0	* .0	* 1.2	* .4	* .6	* .0	* .0	* .0		
2. Recpt 2	* 185.	* 5.6	* .0	* .0	* .0	* .6	* .4	* 1.1	* .0	* .0		
3. Recpt 3	* 275.	* 5.5	* .0	* .0	* .3	* .0	* .0	* .5	* .0	* .0		
4. Recpt 4	* 5.	* 5.8	* .3	* 1.1	* .0	* .0	* .0	* .0	* .0	* .6		

RECEPTOR	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. Recpt 1	* .0	* .2	* .0	* .0	* .0	* .0	* .2	* .0	* .0	* .0	* .2	* .0
2. Recpt 2	* .0	* .0	* .2	* .0	* .0	* .1	* .0	* .0	* .0	* .1	* .0	* .0
3. Recpt 3	* .3	* .7	* .0	* .0	* .0	* .0	* .0	* .3	* .0	* .0	* .3	* .0
4. Recpt 4	* .0	* .3	* .0	* .0	* .0	* .0	* .1	* .0	* .0	* .0	* .2	* .0

19. Milliken Avenue/Riverside Drive



Variables

N_x	8.8	S_x	15.2	E_y	6.4	W_y	12.8
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Co-ordinates

Point	X	Y
1	-8.80	650.00
2	-8.80	150.00
3	-8.80	0.00
4	-8.80	-150.00
5	-8.80	-650.00
6	8.80	-650.00
7	8.80	-150.00
8	8.80	0.00
9	8.80	150.00
10	8.80	650.00
11	-650.00	-6.40
12	-150.00	-6.40
13	0.00	-6.40
14	150.00	-6.40
15	650.00	-6.40
16	650.00	6.40
17	150.00	6.40
18	0.00	6.40
19	-150.00	6.40
20	-650.00	6.40

Traffic Volumes (PM Peak)

Link	A	B
A	4391	4473
B	3078	3154
C	3224	3306
D	3648	3740
E	2273	2297
F	1988	2012
G	3229	1949
H	3836	2579
I	3129	3236
J	2522	2606
K	1829	1868
L	3142	3187
M	2619	1369
N	2195	935
O	1501	1584
P	1786	1869
Q	1313	1319
R	207	211
S	607	630
T	424	434

		754	2324	1313		
		←	↓	→		
607	↑	A - 2015 Without Proj			↑	1448
1622	→	A - 2015 Without Proj			←	747
900	↓	A - 2015 Without Proj			↓	424
		←	↑	→		
		285	1781	207		
		←	↓	→		
		797	2357	1319		
630	↑	B - 2015 with Proj			↑	148
1657	→	B - 2015 with Proj			←	787
949	↓	B - 2015 with Proj			↓	434
		←	↑	→		
		285	1801	211		

Receptors

Point	X	Y
1	-18.20	15.80
2	18.20	15.80
3	18.20	-15.80
4	-18.20	-15.80

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION

JOB: Milliken/Riverside-PM No Project
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= 2.9 PPM
 SIGTH= 5. DEGREES TEMP= 12.8 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Link A	* -9	* 650	* -9	* 150	* AG	4391	8.9	.0	15.2
B. Link B	* -9	* 150	* -9	* 0	* AG	3078	8.9	.0	15.2
C. Link C	* -9	* 0	* -9	* -150	* AG	3224	8.9	.0	15.2
D. Link D	* -9	* -150	* -9	* -650	* AG	3648	8.9	.0	15.2
E. Link E	* 9	* -650	* 9	* -150	* AG	2273	8.9	.0	15.2
F. Link F	* 9	* -150	* 9	* 0	* AG	1988	8.9	.0	15.2
G. Link G	* 9	* 0	* 9	* 150	* AG	3229	8.9	.0	15.2
H. Link H	* 9	* 150	* 9	* 650	* AG	3836	8.9	.0	15.2
I. Link I	* -650	* -6	* -150	* -6	* AG	3129	8.9	.0	12.8
J. Link J	* -150	* -6	* 0	* -6	* AG	3522	8.9	.0	12.8
K. Link K	* 0	* -6	* 150	* -6	* AG	1829	8.9	.0	12.8
L. Link L	* 150	* -6	* 650	* -6	* AG	3142	8.9	.0	12.8
M. Link M	* 650	* 6	* 150	* 6	* AG	2619	8.9	.0	12.8
N. Link N	* 150	* 6	* 0	* 6	* AG	2195	8.9	.0	12.8
O. Link O	* 0	* 6	* -150	* 6	* AG	1501	8.9	.0	12.8
P. Link P	* -150	* 6	* -650	* 6	* AG	1786	8.9	.0	12.8
Q. Link Q	* -9	* 150	* 0	* 0	* AG	1313	8.9	.0	15.2
R. Link R	* 0	* 0	* 9	* -150	* AG	207	8.9	.0	15.2
S. Link S	* -150	* -6	* 0	* 0	* AG	607	8.9	.0	12.8
T. Link T	* 0	* 0	* 150	* 6	* AG	424	8.9	.0	12.8

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. Recpt 1	* -18	* 16	* 1.8
2. Recpt 2	* 18	* 16	* 1.8
3. Recpt 3	* 18	* -16	* 1.8
4. Recpt 4	* -18	* -16	* 1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)						
						D	E	F	G	H		
1. Recpt 1	* 174.	* 7.1	* .0	* .1	* 1.8	* .3	* .6	* .1	* .0	* .0		
2. Recpt 2	* 258.	* 6.9	* .0	* .5	* .0	* .0	* .0	* .0	* 1.0	* .0		
3. Recpt 3	* 353.	* 7.3	* .8	* .2	* .0	* .0	* .0	* .1	* 1.9	* .2		
4. Recpt 4	* 6.	* 8.0	* .4	* 1.8	* .2	* .0	* .0	* .0	* .2	* .8		

RECEPTOR	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. Recpt 1	* .0	* .6	* .0	* .0	* .0	* .0	* .4	* .0	* .0	* .0	* .1	* .0
2. Recpt 2	* .0	* .8	* .0	* .0	* .0	* .2	* .8	* .0	* .3	* .0	* .3	* .0
3. Recpt 3	* .0	* .0	* .5	* .0	* .0	* .4	* .0	* .0	* .2	* .0	* .0	* .0
4. Recpt 4	* .0	* 1.0	* .0	* .0	* .0	* .0	* .3	* .0	* .4	* .0	* .1	* .0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION

JOB: Milliken/Riverside-PM With Project
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 0. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= 2.9 PPM
 SIGTH= 5. DEGREES TEMP= 12.8 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Link A	* -9	* 650	* -9	* 150	* AG	4473	8.9	.0	15.2
B. Link B	* -9	* 150	* -9	* 0	* AG	3154	8.9	.0	15.2
C. Link C	* -9	* 0	* -9	* -150	* AG	3306	8.9	.0	15.2
D. Link D	* -9	* -150	* -9	* -650	* AG	3740	8.9	.0	15.2
E. Link E	* 9	* -650	* 9	* -150	* AG	2297	8.9	.0	15.2
F. Link F	* 9	* -150	* 9	* 0	* AG	2012	8.9	.0	15.2
G. Link G	* 9	* 0	* 9	* 150	* AG	1949	8.9	.0	15.2
H. Link H	* 9	* 150	* 9	* 650	* AG	2579	8.9	.0	15.2
I. Link I	* -650	* -6	* -150	* -6	* AG	3236	8.9	.0	12.8
J. Link J	* -150	* -6	* 0	* -6	* AG	2606	8.9	.0	12.8
K. Link K	* 0	* -6	* 150	* -6	* AG	1868	8.9	.0	12.8
L. Link L	* 150	* -6	* 650	* -6	* AG	3187	8.9	.0	12.8
M. Link M	* 650	* 6	* 150	* 6	* AG	1369	8.9	.0	12.8
N. Link N	* 150	* 6	* 0	* 6	* AG	935	8.9	.0	12.8
O. Link O	* 0	* 6	* -150	* 6	* AG	1584	8.9	.0	12.8
P. Link P	* -150	* 6	* -650	* 6	* AG	1869	8.9	.0	12.8
Q. Link Q	* -9	* 150	* 0	* 0	* AG	1319	8.9	.0	15.2
R. Link R	* 0	* 0	* 9	* -150	* AG	211	8.9	.0	15.2
S. Link S	* -150	* -6	* 0	* 0	* AG	630	8.9	.0	12.8
T. Link T	* 0	* 0	* 150	* 6	* AG	434	8.9	.0	12.8

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. Recpt 1	* -18	* 16	* 1.8
2. Recpt 2	* 18	* 16	* 1.8
3. Recpt 3	* 18	* -16	* 1.8
4. Recpt 4	* -18	* -16	* 1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)						
						D	E	F	G	H		
1. Recpt 1	* 174.	* 7.0	* .0	* .1	* 1.9	* .3	* .6	* .1	* .0	* .0		
2. Recpt 2	* 264.	* 6.4	* .0	* .5	* .0	* .0	* .0	* .0	* .6	* .0		
3. Recpt 3	* 353.	* 6.5	* .8	* .2	* .0	* .0	* .0	* .1	* 1.3	* .2		
4. Recpt 4	* 6.	* 7.6	* .4	* 1.8	* .2	* .0	* .0	* .0	* .1	* .6		

RECEPTOR	* I	* J	* K	* L	* M	* N	* O	* P	* Q	* R	* S	* T
1. Recpt 1	* .0	* .5	* .0	* .0	* .0	* .0	* .5	* .0	* .0	* .0	* .1	* .0
2. Recpt 2	* .6	* .3	* .0	* .0	* .0	* .0	* .9	* .2	* .3	* .0	* .1	* .0
3. Recpt 3	* .0	* .0	* .6	* .0	* .0	* .2	* .0	* .0	* .2	* .0	* .0	* .1
4. Recpt 4	* .0	* .8	* .0	* .0	* .0	* .0	* .3	* .0	* .4	* .0	* .2	* .0