APPENDIX A

MOBILE MODELING INPUT AND OUTPUT

CO EMISSION FACTORS

MOBILE6.2 CO Emission Factor Tables
Look Up and Calculation Program for Microscale Analysis

Please Select

County: Westchester Analysis Year: 2012 Road Functional Class: 14/16 Vehicle Speed: 0

NYSDOT Default Vehicle Mix? Yes If no, please specify and click ok. The sum of the vehicle mix has to be 100%

Veh. Type	Veh. %	CO	Veh. Type	Veh. %	CO
LDGV	50.90	40.22	LDDT34	0.80	4.26
LDGT1	7.41	32.59	HDDV2B	0.22	4.83
LDGT2	24.61	34.60	HDDV3	0.16	6.31
LDGT3	7.87	32.83	HDDV4	0.10	8.12
LDGT4	3.63	33.31	HDDV5	0.14	7.30
HDGV2B	1.23	76.43	HDDV6	0.10	9.75
HDGV3	0.49	89.40	HDDV7	0.17	11.45
HDGV4	0.14	89.11	HDDV8A	0.46	19.07
HDGV5	0.18	110.13	HDDV8B	0.48	18.25
HDGV6	0.06	134.84	HDGB	0.08	172.10
HDGV7	0.07	141.50	HDDBT	0.16	35.68
HDGV8A	0.10	169.05	HDDBS	0.24	17.24
LDDV	0.08	8.96	MC	0.00	207.45
LDDT12	0.12	3.60	Total	100.0	37.77

Project Descriptions (limited to 140 characters):

Yonkers 2012 urban principal/minor arterial idle g/hr

click here to print Please select landscape layout option for proper print.

Last Update: April 14, 2007

MOBILE6.2 CO Emission Factor Tables
Look Up and Calculation Program for Microscale Analysis

Please Select

County: Westchester Analysis Year: 2012 Road Functional Class: 14/16 Vehicle Speed: 15

NYSDOT Default Vehicle Mix? Yes If no, please specify and click ok. The sum of the vehicle mix has to be 100%

Veh. Type	Veh. %	CO	Veh. Type	Veh. %	CO
LDGV	50.90	4.51	LDDT34	0.80	0.69
LDGT1	7.41	3.84	HDDV2B	0.22	0.78
LDGT2	24.61	4.08	HDDV3	0.16	1.02
LDGT3	7.87	3.87	HDDV4	0.10	1.32
LDGT4	3.63	3.93	HDDV5	0.14	1.19
HDGV2B	1.23	11.42	HDDV6	0.10	1.58
HDGV3	0.49	13.36	HDDV7	0.17	1.86
HDGV4	0.14	13.32	HDDV8A	0.46	3.10
HDGV5	0.18	16.46	HDDV8B	0.48	2.97
HDGV6	0.06	20.15	HDGB	0.08	25.72
HDGV7	0.07	21.15	HDDBT	0.16	5.80
HDGV8A	0.10	25.27	HDDBS	0.24	2.80
LDDV	0.08	1.46	MC	0.00	14.92
LDDT12	0.12	0.59	Total	100.0	4.42

Project Descriptions (limited to 140 characters):

Yonkers 2012 urban principal/minor arterial g/mi

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Last Update: April 14, 2007

MOBILE6.2 CO Emission Factor Tables
Look Up and Calculation Program for Microscale Analysis

Please Select

County: Westchester Analysis Year: 2012 Road Functional Class: 14/16 Vehicle Speed: 20

NYSDOT Default Vehicle Mix? Yes If no, please specify and click ok. The sum of the vehicle mix has to be 100%

Veh. Type	Veh. %	CO	Veh. Type	Veh. %	CO
LDGV	50.90	4.03	LDDT34	0.80	0.52
LDGT1	7.41	3.43	HDDV2B	0.22	0.59
LDGT2	24.61	3.64	HDDV3	0.16	0.77
LDGT3	7.87	3.46	HDDV4	0.10	1.00
LDGT4	3.63	3.51	HDDV5	0.14	0.90
HDGV2B	1.23	8.48	HDDV6	0.10	1.20
HDGV3	0.49	9.92	HDDV7	0.17	1.40
HDGV4	0.14	9.89	HDDV8A	0.46	2.34
HDGV5	0.18	12.23	HDDV8B	0.48	2.24
HDGV6	0.06	14.97	HDGB	0.08	19.10
HDGV7	0.07	15.71	HDDBT	0.16	4.38
HDGV8A	0.10	18.77	HDDBS	0.24	2.12
LDDV	0.08	1.10	MC	0.00	11.21
LDDT12	0.12	0.44	Total	100.0	3.89

Project Descriptions (limited to 140 characters):

Yonkers 2012 urban principal/minor arterial g/mi

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Last Update: April 14, 2007

MOBILE6.2 CO Emission Factor Tables
Look Up and Calculation Program for Microscale Analysis

Please Select

County: Westchester Analysis Year: 2012 Road Functional Class: 14/16 Vehicle Speed: 30

NYSDOT Default Vehicle Mix? Yes If no, please specify and click ok. The sum of the vehicle mix has to be 100%

Veh. Type	Veh. %	CO	Veh. Type	Veh. %	CO
LDGV	50.90	3.68	LDDT34	0.80	0.34
LDGT1	7.41	3.13	HDDV2B	0.22	0.39
LDGT2	24.61	3.33	HDDV3	0.16	0.51
LDGT3	7.87	3.17	HDDV4	0.10	0.65
LDGT4	3.63	3.21	HDDV5	0.14	0.59
HDGV2B	1.23	5.52	HDDV6	0.10	0.78
HDGV3	0.49	6.46	HDDV7	0.17	0.92
HDGV4	0.14	6.43	HDDV8A	0.46	1.53
HDGV5	0.18	7.95	HDDV8B	0.48	1.46
HDGV6	0.06	9.74	HDGB	0.08	12.43
HDGV7	0.07	10.22	HDDBT	0.16	2.86
HDGV8A	0.10	12.21	HDDBS	0.24	1.38
LDDV	0.08	0.72	MC	0.00	7.30
LDDT12	0.12	0.29	Total	100.0	3.48

Project Descriptions (limited to 140 characters):

Yonkers 2012 urban principal/minor arterial g/mi

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Last Update: April 14, 2007

MOBILE6.2 CO Emission Factor Tables
Look Up and Calculation Program for Microscale Analysis

Please Select

County: Westchester Analysis Year: 2012 Road Functional Class: 14/16 Vehicle Speed: 40

NYSDOT Default Vehicle Mix? Yes If no, please specify and click ok. The sum of the vehicle mix has to be 100%

Veh. Type	Veh. %	CO	Veh. Type	Veh. %	CO
LDGV	50.90	4.05	LDDT34	0.80	0.27
LDGT1	7.41	3.46	HDDV2B	0.22	0.30
LDGT2	24.61	3.69	HDDV3	0.16	0.40
LDGT3	7.87	3.51	HDDV4	0.10	0.51
LDGT4	3.63	3.56	HDDV5	0.14	0.46
HDGV2B	1.23	4.47	HDDV6	0.10	0.61
HDGV3	0.49	5.23	HDDV7	0.17	0.72
HDGV4	0.14	5.22	HDDV8A	0.46	1.20
HDGV5	0.18	6.45	HDDV8B	0.48	1.15
HDGV6	0.06	7.89	HDGB	0.08	10.07
HDGV7	0.07	8.28	HDDBT	0.16	2.24
HDGV8A	0.10	9.90	HDDBS	0.24	1.08
LDDV	0.08	0.56	MC	0.00	5.23
LDDT12	0.12	0.23	Total	100.0	3.78

Project Descriptions (limited to 140 characters):

Yonkers 2012 urban principal/minor arterial g/mi

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Last Update: April 14, 2007

MOBILE6.2 CO Emission Factor Tables
Look Up and Calculation Program for Microscale Analysis

Please Select

County: Westchester Analysis Year: 2012 Road Functional Class: 14/16 Vehicle Speed: 45

NYSDOT Default Vehicle Mix? Yes If no, please specify and click ok. The sum of the vehicle mix has to be 100%

Veh. Type	Veh. %	CO	Veh. Type	Veh. %	CO
LDGV	50.90	4.37	LDDT34	0.80	0.25
LDGT1	7.41	3.74	HDDV2B	0.22	0.29
LDGT2	24.61	3.98	HDDV3	0.16	0.38
LDGT3	7.87	3.80	HDDV4	0.10	0.48
LDGT4	3.63	3.86	HDDV5	0.14	0.44
HDGV2B	1.23	4.37	HDDV6	0.10	0.58
HDGV3	0.49	5.12	HDDV7	0.17	0.68
HDGV4	0.14	5.10	HDDV8A	0.46	1.14
HDGV5	0.18	6.30	HDDV8B	0.48	1.09
HDGV6	0.06	7.72	HDGB	0.08	9.85
HDGV7	0.07	8.10	HDDBT	0.16	2.13
HDGV8A	0.10	9.68	HDDBS	0.24	1.03
LDDV	0.08	0.53	MC	0.00	4.70
LDDT12	0.12	0.21	Total	100.0	4.07

Project Descriptions (limited to 140 characters):

Yonkers 2012 urban principal/minor arterial g/mi

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Last Update: April 14, 2007

MOBILE6.2 CO Emission Factor Tables
Look Up and Calculation Program for Microscale Analysis

Please Select

County: Westchester Analysis Year: 2012 Road Functional Class: 11/12 Vehicle Speed: 55

NYSDOT Default Vehicle Mix? Yes If no, please specify and click ok. The sum of the vehicle mix has to be 100%

Veh. Type	Veh. %	CO	Veh. Type	Veh. %	CO
LDGV	47.76	5.00	LDDT34	0.79	0.26
LDGT1	6.96	4.29	HDDV2B	0.47	0.30
LDGT2	23.10	4.58	HDDV3	0.34	0.39
LDGT3	7.81	4.38	HDDV4	0.22	0.50
LDGT4	3.60	4.45	HDDV5	0.29	0.45
HDGV2B	2.62	4.93	HDDV6	0.22	0.60
HDGV3	1.04	5.77	HDDV7	0.36	0.70
HDGV4	0.30	5.75	HDDV8A	0.99	1.17
HDGV5	0.40	7.11	HDDV8B	1.03	1.12
HDGV6	0.12	8.70	HDGB	0.17	11.10
HDGV7	0.16	9.13	HDDBT	0.34	2.19
HDGV8A	0.21	10.91	HDDBS	0.52	1.06
LDDV	0.07	0.55	MC	0.00	4.48
LDDT12	0.11	0.22	Total	100.0	4.60

Project Descriptions (limited to 140 characters):

Yonkers 2012 urban interstate/freeway/expressway g/mi

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Last Update: April 14, 2007

MOBILE6.2 CO Emission Factor Tables
Look Up and Calculation Program for Microscale Analysis

Please Select

County: Westchester Analysis Year: 2012 Road Functional Class: 11/12 Vehicle Speed: 60

NYSDOT Default Vehicle Mix? Yes If no, please specify and click ok. The sum of the vehicle mix has to be 100%

Veh. Type	Veh. %	CO	Veh. Type	Veh. %	CO
LDGV	47.76	5.31	LDDT34	0.79	0.28
LDGT1	6.96	4.57	HDDV2B	0.47	0.32
LDGT2	23.10	4.88	HDDV3	0.34	0.42
LDGT3	7.81	4.67	HDDV4	0.22	0.54
LDGT4	3.60	4.74	HDDV5	0.29	0.49
HDGV2B	2.62	5.69	HDDV6	0.22	0.65
HDGV3	1.04	6.65	HDDV7	0.36	0.76
HDGV4	0.30	6.63	HDDV8A	0.99	1.27
HDGV5	0.40	8.19	HDDV8B	1.03	1.22
HDGV6	0.12	10.03	HDGB	0.17	12.81
HDGV7	0.16	10.53	HDDBT	0.34	2.38
HDGV8A	0.21	12.58	HDDBS	0.52	1.15
LDDV	0.07	0.60	MC	0.00	9.87
LDDT12	0.11	0.24	Total	100.0	4.92

Project Descriptions (limited to 140 characters):

Yonkers 2012 urban interstate/freeway/expressway g/mi

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Last Update: April 14, 2007

MOBILE6.2 CO Emission Factor Tables
Look Up and Calculation Program for Microscale Analysis

Please Select

County: Westchester Analysis Year: 2012 Road Functional Class: 11/12 Vehicle Speed: 65

NYSDOT Default Vehicle Mix? Yes If no, please specify and click ok. The sum of the vehicle mix has to be 100%

Veh. Type	Veh. %	CO	Veh. Type	Veh. %	CO
LDGV	47.76	5.63	LDDT34	0.79	0.32
LDGT1	6.96	4.85	HDDV2B	0.47	0.37
LDGT2	23.10	5.18	HDDV3	0.34	0.48
LDGT3	7.81	4.96	HDDV4	0.22	0.62
LDGT4	3.60	5.03	HDDV5	0.29	0.56
HDGV2B	2.62	6.93	HDDV6	0.22	0.74
HDGV3	1.04	8.10	HDDV7	0.36	0.87
HDGV4	0.30	8.08	HDDV8A	0.99	1.45
HDGV5	0.40	9.98	HDDV8B	1.03	1.39
HDGV6	0.12	12.22	HDGB	0.17	15.60
HDGV7	0.16	12.83	HDDBT	0.34	2.71
HDGV8A	0.21	15.33	HDDBS	0.52	1.31
LDDV	0.07	0.68	MC	0.00	15.27
LDDT12	0.11	0.27	Total	100.0	5.27

Project Descriptions (limited to 140 characters):

Yonkers 2012 urban interstate/freeway/expressway g/mi

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Last Update: April 14, 2007

PM-10/PM-2.5 EMISSION FACTORS

MOBILE6.2 PM Emission Factor Tables Look Up and Calculation Program

Please Select

County: Westchester Analysis Year: 2012 Road Functional Class: 14/16

NYSDOT Default Vehicle Mix? Yes If no, please specify and click ok. The sum of the vehicle mix has to be 100%

Veh. Type	Veh. %	Non-Idle Emis. (g/mi) PM2.5	Non-Idle Emis. (g/mi) PM10	Idle Emis. (g/hour) PM2.5	Idle Emis. (g/hour) PM10	Veh. Type	Veh. %	Non-Idle Emis. (g/mi) PM2.5	Non-Idle Emis. (g/mi) PM10	Idle Emis. (g/hour) PM2.5	Idle Emis. (g/hour) PM10
LDGV	55.96	0.01	0.02	0.00	0.00	LDDT34	0.58	0.03	0.05	0.00	0.00
LDGT1	6.28	0.01	0.02	0.00	0.00	HDDV2B	0.13	0.05	0.06	0.93	1.01
LDGT2	21.00	0.01	0.02	0.00	0.00	HDDV3	0.10	0.05	0.07	0.93	1.01
LDGT3	7.83	0.01	0.02	0.00	0.00	HDDV4	0.09	0.05	0.06	0.93	1.01
LDGT4	3.69	0.01	0.02	0.00	0.00	HDDV5	0.08	0.05	0.07	0.95	1.03
HDGV2B	1.06	0.03	0.05	0.00	0.00	HDDV6	0.09	0.09	0.12	0.95	1.04
HDGV3	0.45	0.04	0.06	0.00	0.00	HDDV7	0.23	0.09	0.12	0.94	1.03
HDGV4	0.19	0.03	0.06	0.00	0.00	HDDV8A	0.49	0.16	0.21	0.99	1.08
HDGV5	0.20	0.04	0.06	0.00	0.00	HDDV8B	0.42	0.11	0.16	0.96	1.05
HDGV6	0.09	0.05	0.08	0.00	0.00	HDGB	0.09	0.05	0.07	0.00	0.00
HDGV7	0.14	0.05	0.07	0.00	0.00	HDDBT	0.18	0.85	0.94	1.61	1.75
HDGV8A	0.19	0.06	0.11	0.00	0.00	HDDBS	0.18	0.13	0.16	0.94	1.03
LDDV	0.13	0.10	0.12	0.00	0.00	MC	0.00	0.02	0.04	0.00	0.00
LDDT12	0.13	0.04	0.06	0.00	0.00	Total	100.0	0.0142	0.0253	0.0202	0.0221

Note: For vehicles that MOBILE6.2 does not provide idle emission factors, zero is assumed.

Project Descriptions (limited to 140 characters):

Yonkers 2012 urban principal/minor arterial roadway

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Last Update: August 10, 2004

MOBILE6.2 PM Emission Factor Tables Look Up and Calculation Program

Please Select

County: Westchester Analysis Year: 2012 Road Functional Class: 11/12

NYSDOT Default Vehicle Mix? Yes If no, please specify and click ok. The sum of the vehicle mix has to be 100%

Veh. Type	Veh. %	Non-Idle Emis. (g/mi) PM2.5	Non-Idle Emis. (g/mi) PM10	Idle Emis. (g/hour) PM2.5	Idle Emis. (g/hour) PM10	Veh. Type	Veh. %	Non-Idle Emis. (g/mi) PM2.5	Non-Idle Emis. (g/mi) PM10	Idle Emis. (g/hour) PM2.5	Idle Emis. (g/hour) PM10
LDGV	52.21	0.01	0.02	0.00	0.00	LDDT34	0.60	0.03	0.05	0.00	0.00
LDGT1	5.86	0.01	0.02	0.00	0.00	HDDV2B	0.28	0.05	0.06	0.93	1.01
LDGT2	19.60	0.01	0.02	0.00	0.00	HDDV3	0.21	0.05	0.07	0.93	1.01
LDGT3	8.15	0.01	0.02	0.00	0.00	HDDV4	0.20	0.05	0.06	0.93	1.01
LDGT4	3.84	0.01	0.02	0.00	0.00	HDDV5	0.17	0.05	0.07	0.95	1.03
HDGV2B	2.29	0.03	0.05	0.00	0.00	HDDV6	0.20	0.09	0.12	0.95	1.04
HDGV3	0.98	0.04	0.06	0.00	0.00	HDDV7	0.49	0.09	0.12	0.94	1.03
HDGV4	0.39	0.03	0.06	0.00	0.00	HDDV8A	1.05	0.16	0.21	0.99	1.08
HDGV5	0.42	0.04	0.06	0.00	0.00	HDDV8B	0.91	0.11	0.16	0.96	1.05
HDGV6	0.20	0.05	0.08	0.00	0.00	HDGB	0.20	0.05	0.07	0.00	0.00
HDGV7	0.30	0.05	0.07	0.00	0.00	HDDBT	0.40	0.85	0.94	1.61	1.75
HDGV8A	0.41	0.06	0.11	0.00	0.00	HDDBS	0.40	0.13	0.16	0.94	1.03
LDDV	0.12	0.10	0.12	0.00	0.00	MC	0.00	0.02	0.04	0.00	0.00
LDDT12	0.12	0.04	0.06	0.00	0.00	Total	100.0	0.0189	0.0311	0.0439	0.0479

Note: For vehicles that MOBILE6.2 does not provide idle emission factors, zero is assumed.

Project Descriptions (limited to 140 characters):

Yonkers 2012 urban interstate/freeway/expressway

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Last Update: August 10, 2004

MOBILE6.2 PM Emission Factor Tables Look Up and Calculation Program

Please Select

County: Westchester Analysis Year: 2012 Road Functional Class: 17/19

NYSDOT Default Vehicle Mix? Yes If no, please specify and click ok. The sum of the vehicle mix has to be 100%

		Non-Idle Emis. (g/mi)		Idle Emis. (g/hour)				Non-Idle Emis. (g/mi)		Idle Emis. (g/hour)	
Veh. Type	Veh. %	PM2.5	PM10	PM2.5	PM10	Veh. Type	Veh. %	PM2.5	PM10	PM2.5	PM10
LDGV	56.24	0.01	0.02	0.00	0.00	LDDT34	0.62	0.03	0.05	0.00	0.00
LDGT1	6.31	0.01	0.02	0.00	0.00	HDDV2B	0.09	0.05	0.06	0.93	1.01
LDGT2	21.10	0.01	0.02	0.00	0.00	HDDV3	0.07	0.05	0.07	0.93	1.01
LDGT3	8.42	0.01	0.02	0.00	0.00	HDDV4	0.07	0.05	0.06	0.93	1.01
LDGT4	3.96	0.01	0.02	0.00	0.00	HDDV5	0.06	0.05	0.07	0.95	1.03
HDGV2B	0.75	0.03	0.05	0.00	0.00	HDDV6	0.06	0.09	0.12	0.95	1.04
HDGV3	0.32	0.04	0.06	0.00	0.00	HDDV7	0.16	0.09	0.12	0.94	1.03
HDGV4	0.12	0.03	0.06	0.00	0.00	HDDV8A	0.34	0.16	0.21	0.99	1.08
HDGV5	0.13	0.04	0.06	0.00	0.00	HDDV8B	0.30	0.11	0.16	0.96	1.05
HDGV6	0.07	0.05	0.08	0.00	0.00	HDGB	0.06	0.05	0.07	0.00	0.00
HDGV7	0.10	0.05	0.07	0.00	0.00	HDDBT	0.13	0.85	0.94	1.61	1.75
HDGV8A	0.13	0.06	0.11	0.00	0.00	HDDBS	0.13	0.13	0.16	0.94	1.03
LDDV	0.13	0.10	0.12	0.00	0.00	MC	0.00	0.02	0.04	0.00	0.00
LDDT12	0.13	0.04	0.06	0.00	0.00	Total	100.0	0.0131	0.0239	0.0143	0.0156

Note: For vehicles that MOBILE6.2 does not provide idle emission factors, zero is assumed.

Project Descriptions (limited to 140 characters):

Yonkers 2012 urban collector/local roadways

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Last Update: August 10, 2004

CO MODELING
(SIP-RELATED INTERSECTIONS)

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'14,15 ASHBURTON AV PM BUILD BALLPARK'  60.0  108.0  0.0  0.0  45  1  0  0  'PPM'
'01 14 NW CORNER'  201681.2  233994.6  1.8
'02 14 SW CORNER'  201681.2  233975.8  1.8
'03 14 NE CORNER'  201710.4  233995.2  1.8
'04 14 SE CORNER'  201708.9  233975.0  1.8
'05 ASHBURTON@14 NW'  201658.4  233990.6  1.8
'06 ASHBURTON@14 SW'  201660.5  233973.7  1.8
'07 ASHBURTON@14 SW'  201629.9  233969.4  1.8
'08 ASHBURTON@14 NW'  201604.8  233981.6  1.8
'09 ASHBURTON@14 SW'  201605.9  233965.8  1.8
'10 ASHBURTON@14 NW'  201590.1  233979.2  1.8
'11 ASHBURTON@14 SW'  201592.2  233963.9  1.8
'12 ASHBURTON@14 SE'  201730.6  233973.2  1.8
'13 ASHBURTON@14 NE'  201764.7  233984.4  1.8
'14 ASHBURTON@15 NW'  201793.6  233980.4  1.8
'15 14 NW'  201684.3  234023.2  1.8
'16 14 NE'  201712.5  234021.3  1.8
'17 14 NW'  201688.3  234048.1  1.8
'18 14 NE'  201714.8  234045.6  1.8
'19 14 SW'  201680.1  233953.1  1.8
'20 14 SE'  201705.1  233944.9  1.8
'21 14 SW'  201677.2  233924.6  1.8
'22 14 SE'  201702.8  233922.3  1.8
'23 15 NW CORNER'  201852.9  233984.7  1.8
'24 15 SW CORNER'  201864.6  233956.0  1.8
'25 15 NE CORNER'  201890.0  233973.8  1.8
'26 15 SE CORNER'  201889.8  233948.2  1.8
'27 ASHBURTON@15 NW'  201836.3  233977.8  1.8
'28 ASHBURTON@15 SW'  201809.5  233962.3  1.8
'29 ASHBURTON@15 NE'  201916.4  233944.7  1.8
'30 ASHBURTON@15 SE'  201904.3  233936.1  1.8
'31 ASHBURTON@15 NE'  201931.8  233928.7  1.8
'32 ASHBURTON@15 SE'  201921.0  233918.4  1.8
'33 ASHBURTON@15 NE'  201945.6  233914.0  1.8
'34 ASHBURTON@15 SE'  201934.9  233903.7  1.8
'35 ASHBURTON@15 NE'  201961.0  233898.2  1.8
'36 15 NE'  201867.5  233996.0  1.8
'37 15 NW'  201886.2  233990.3  1.8
'38 15 NE'  201875.0  234019.3  1.8
'39 15 NW'  201890.5  234015.4  1.8
'40 15 NE'  201880.2  234039.7  1.8
'41 15 NW'  201895.9  234036.6  1.8
'42 15 SW'  201867.7  233927.9  1.8
'43 15 SE'  201883.0  233926.1  1.8
'44 15 SW'  201859.8  233894.1  1.8
'45 15 SE'  201866.9  233876.3  1.8
'(14=NEPPERHAN AVE, 15=WALNUT ST) 20 MPH'  57  1  1  'C'
1  2
'ASHBURTON@14 EB APPR'  'AG'  201635.7  233975.2  201584.7  233967.9  765  3.89  0.0  9.66
1
'ASHBURTON@14 EB APPR'  'AG'  201584.7  233967.9  201425.3  234016.9  765  3.89  0.0  9.66
1  1
'ASHBURTON@14 EB LEFT'  'AG'  201696.1  233987.7  201635.1  233978.9  129  3.89  0.0  9.66
1  1
'ASHBURTON@14 EB TR'  'AG'  201696.2  233983.9  201635.7  233975.2  636  3.89  0.0  9.66
1  1
'ASHBURTON@14 EB DEP'  'AG'  201696.1  233982.9  201814.5  233967.0  926  3.89  0.0  9.66
1  1
'ASHBURTON@14 WB APPR'  'AG'  201758.4  233979.7  201823.2  233971.2  848  3.89  0.0  9.66
1  1
'ASHBURTON@14 WB LEFT'  'AG'  201696.4  233987.0  201758.1  233977.7  202  3.89  0.0  9.66
1  1
'ASHBURTON@14 WB TR'  'AG'  201696.5  233990.7  201758.6  233981.3  646  3.89  0.0  9.66
1  2
'ASHBURTON@14 WB DEP'  'AG'  201696.5  233991.8  201574.9  233971.8  835  3.89  0.0  13.32
1
'ASHBURTON@14 WB DEP'  'AG'  201574.9  233971.8  201429.8  234016.5  835  3.89  0.0  13.32
1  2
'NEPPERHAN AV NB APPR'  'AG'  201696.8  233936.6  201682.9  233803.2  817  3.89  0.0  13.32
1
'NEPPERHAN AV NB APPR'  'AG'  201682.9  233803.2  201631.9  233719.0  817  3.89  0.0  13.32
1  1
'NEPPERHAN AV NB LEFT'  'AG'  201696.4  233987.0  201691.3  233937.1  100  3.89  0.0  9.66
1  1
'NEPPERHAN AV NB TR'  'AG'  201702.3  233989.9  201696.8  233936.6  717  3.89  0.0  13.32
```

```
1  2
'NEPPERHAN AV NB DEP'  'AG'  201702.6  233989.8  201710.1  234066.6  733  3.89  0.0  13.32
1
'NEPPERHAN AV NB DEP'  'AG'  201710.1  234066.6  201809.4  234264.6  733  3.89  0.0  13.32
1  2
'NEPPERHAN AV SB APPR'  'AG'  201696.5  234042.7  201708.8  234087.0  1045  3.89  0.0  19.72
1
'NEPPERHAN AV SB APPR'  'AG'  201708.8  234087.0  201802.4  234267.7  1045  3.89  0.0  19.72
1  1
'NEPPERHAN AV SB LEFT'  'AG'  201696.1  233987.7  201701.6  234041.9  173  3.89  0.0  9.66
1  1
'NEPPERHAN AV SB THRU'  'AG'  201690.8  233986.9  201696.5  234042.7  711  3.89  0.0  12.71
1  1
'NEPPERHAN AV SB RT'  'AG'  201686.1  233990.1  201691.5  234043.4  161  3.89  0.0  9.35
1  2
'NEPPERHAN AV SB DEP'  'AG'  201690.7  233986.9  201674.2  233814.8  981  3.89  0.0  13.32
1
'NEPPERHAN AV SB DEP'  'AG'  201674.2  233814.8  201608.4  233697.9  981  3.89  0.0  13.32
1  1
'ASHBURTON@15 EB APPR'  'AG'  201882.5  233966.1  201814.5  233967.0  809  3.89  0.0  10.57
1  2
'ASHBURTON@15 EB DEP'  'AG'  201882.5  233966.1  201958.8  233885.9  762  3.89  0.0  9.66
1
'ASHBURTON@15 EB DEP'  'AG'  201958.8  233885.9  201978.5  233880.1  762  3.89  0.0  9.66
1  2
'ASHBURTON@15 WB APPR'  'AG'  201911.3  233942.9  201962.2  233889.4  719  3.89  0.0  9.66
1
'ASHBURTON@15 WB APPR'  'AG'  201962.2  233889.4  201979.7  233884.2  719  3.89  0.0  9.66
1  1
'ASHBURTON@15 WB LT'  'AG'  201882.8  233970.5  201910.2  233941.9  471  3.89  0.0  9.05
1  1
'ASHBURTON@15 WB RT'  'AG'  201879.4  233978.4  201912.4  233944.0  248  3.89  0.0  9.05
1  1
'ASHBURTON@15 WB DEP'  'AG'  201882.8  233970.5  201823.2  233971.2  800  3.89  0.0  13.32
1  2
'WALNUT ST NB APPR'  'AG'  201880.4  233966.1  201875.2  233903.0  231  3.89  0.0  10.57
1
'WALNUT ST NB APPR'  'AG'  201875.2  233903.0  201756.5  233686.7  231  3.89  0.0  10.57
1  3
'WALNUT ST NB DEP'  'AG'  201877.5  233966.2  201885.6  234019.6  605  3.89  0.0  9.66
1
'WALNUT ST NB DEP'  'AG'  201885.6  234019.6  201910.1  234111.9  605  3.89  0.0  9.66
1
'WALNUT ST NB DEP'  'AG'  201910.1  234111.9  201957.8  234240.6  605  3.89  0.0  9.66
1  2
'WALNUT ST SB APPR'  'AG'  201873.7  233993.4  201906.1  234116.0  625  3.89  0.0  9.66
1
'WALNUT ST SB APPR'  'AG'  201906.1  234116.0  201953.1  234242.0  625  3.89  0.0  9.66
1  1
'WALNUT ST SB LT'  'AG'  201874.9  233966.3  201873.7  233993.4  354  3.89  0.0  13.32
1  1
'WALNUT ST SB RT'  'AG'  201844.3  233970.9  201873.7  233993.4  271  3.89  0.0  9.66
1  2
'WALNUT ST SB DEP'  'AG'  201874.9  233966.3  201871.5  233904.6  217  3.89  0.0  9.66
1
'WALNUT ST SB DEP'  'AG'  201871.5  233904.6  201752.7  233687.9  217  3.89  0.0  9.66
2  1
'ASHBURTON@14 EB L Q'  'AG'  201677.8  233985.0  201635.1  233978.9  0.0  3.66  1
100  54  2  129  37.77  1541  1  3
2  1
'ASHBURTON@14 EB TR Q'  'AG'  201677.9  233981.2  201604.8  233970.8  0.0  3.66  1
100  67  2  636  37.77  1598  1  3
2  1
'ASHBURTON@14 WB L Q'  'AG'  201711.2  233984.8  201758.1  233977.7  0.0  3.66  1
100  54  2  202  37.77  1541  1  3
2  1
'ASHBURTON@14 WB TR Q'  'AG'  201711.8  233988.5  201823.2  233971.2  0.0  3.66  1
100  67  2  646  37.77  1597  1  3
2  1
'NEPPERHAN AV NB L Q'  'AG'  201694.9  233971.3  201691.3  233937.1  0.0  3.66  1
100  54  2  100  37.77  1535  1  3
2  1
'NEPPERHAN AV NB TR Q'  'AG'  201700.4  233971.3  201696.8  233936.6  0.0  7.32  2
100  67  2  717  37.77  1475  1  3
2  1
```

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'NEPPERHAN AV SB L Q'  'AG'  201697.3  233999.6  201701.6  234041.9  0.0  3.66  1
100  54  2  173  37.77  1535  1  3
2  1
'NEPPERHAN A SB THRUQ'  'AG'  201692.1  233999.6  201696.5  234042.7  0.0  6.71  2
100  67  2  711  37.77  1551  1  3
2  1
'NEPPERHAN AV SB R Q'  'AG'  201687.1  233999.7  201691.5  234043.4  0.0  3.35  1
100  67  2  161  37.77  1327  1  3
2  1
'ASHBURTON@15 EB Q'  'AG'  201858.7  233964.8  201786.8  233970.6  0.0  4.57  1
90  37  2  809  37.77  1047  1  3
2  1
'ASHBURTON@15 WB LT Q'  'AG'  201893.6  233959.2  201910.3  233941.9  0.0  3.05  1
90  37  2  471  37.77  1592  1  3
2  1
'ASHBURTON@15 WB R Q'  'AG'  201895.8  233961.4  201912.3  233944.1  0.0  3.05  1
90  37  2  248  37.77  1353  1  3
2  1
'WALNUT ST NB QUEUE'  'AG'  201879.0  233948.3  201875.2  233903.0  0.0  4.57  1
90  57  2  231  37.77  765  1  3
2  1
'WALNUT ST SB QUEUE'  'AG'  201873.2  233979.5  201878.5  234011.2  0.0  6.71  2
90  57  2  625  37.77  1225  1  3
1  1
'WALNUT ST SB R Q'  'AG'  201858.4  233981.7  201873.7  233993.4  128  100  0.0  3.66
1.0  0  5  1000.0  0.0  'Y'  5  1  72
** BREEZE
** PROJECTN  0 104 7 -177 0 0.9996 500000 0
** MAPLAYER P:\03113\003\N\014\AIR\MODELING\CAL3QHC\ACAD-YONKERS2004(STC)-INT14-15_M_R12.DXF
ACAD-YONKERS2004(STC)-INT14-15_M_R12 2 UNKNOWN UNKNOWN 1 0 -100 0 0 0 0 1 0 0 0 0 0 0 1 1 0 0 0 0
** OUTFILE  P:\03113\003\N\014\Air\Modeling\CAL3QHC\14-15PMBDCO_R1.lst
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'16,17,18,19,20 YONKERS AV PM BUILD BALLP'  60.0  108.0  0.0  0.0  52  1  0  0  'PPM'
'18 NW CORNER'  202128.6  233537.7  1.8
'18 SW CORNER'  202125.4  233513.1  1.8
'18 NE CORNER'  202159.8  233533.8  1.8
'18 SE CORNER'  202152.9  233507.3  1.8
'19 NW CORNER'  202242.8  233509.7  1.8
'19 SW CORNER'  202232.4  233482.9  1.8
'18 NW'  202099.9  233544.5  1.8
'18 SW'  202096.0  233519.1  1.8
'18 NW'  202070.2  233551.7  1.8
'18 SW'  202064.8  233526.1  1.8
'18 FRONT OF BLDG'  202136.7  233490.0  1.8
'18 FRONT OF BLDG'  202157.9  233483.1  1.8
'18 FRONT OF BLDG'  202190.5  233491.2  1.8
'18 FRONT OF BLDG'  202202.1  233473.1  1.8
'ASHBURTON NW'  202121.9  233575.7  1.8
'20 NW CORNER'  202335.1  233464.1  1.8
'20 SW CORNER'  202323.5  233439.7  1.8
'20 NE CORNER'  202369.6  233441.8  1.8
'20 SE CORNER'  202350.5  233418.4  1.8
'20 NW'  202316.1  233474.8  1.8
'20 SW'  202301.3  233453.4  1.8
'20 NE'  202386.5  233425.9  1.8
'20 SE'  202367.1  233402.8  1.8
'17 NW CORNER'  202021.4  233561.5  1.8
'17 SW CORNER'  202012.1  233536.7  1.8
'17 NE CORNER'  202033.4  233559.7  1.8
'17 SE CORNER'  202026.7  233534.0  1.8
'17 NW'  201949.0  233573.8  1.8
'17 SW'  201953.9  233547.8  1.8
'17 SE'  202020.7  233516.0  1.8
'16 NW CORNER'  201684.7  233559.3  1.8
'16 SW CORNER'  201675.5  233533.2  1.8
'16 NE CORNER'  201701.3  233560.7  1.8
'16 SE CORNER'  201691.7  233534.9  1.8
'16 NE'  201729.8  233562.5  1.8
'16 SE'  201730.8  233536.8  1.8
'16 NE'  201754.1  233564.7  1.8
'16 SE'  201766.8  233539.0  1.8
'16 NE'  201797.5  233565.3  1.8
'16 SE'  201797.5  233540.6  1.8
'16 NW'  201649.7  233557.4  1.8
'16 SW'  201651.1  233532.5  1.8
'16 NW'  201625.3  233556.2  1.8
'16 SW'  201626.8  233531.6  1.8
'16 NW'  201600.9  233555.4  1.8
'16 SW'  201602.3  233530.4  1.8
'16 NW'  201696.8  233589.2  1.8
'16 NE'  201709.8  233585.1  1.8
'16 NW'  201704.6  233611.1  1.8
'16 NE'  201717.4  233606.5  1.8
'16 SW'  201661.4  233492.5  1.8
'16 SE'  201674.8  233488.5  1.8
'ARTERIALS 20 MPH, SAWMILL R PKWY 65 MPH'  88  1  1  'C'
1  1
'YONKERS@17 EB APPR'  'AG'  201955.2  233556.0  201688.6  233541.6  1902  3.89  0.0  13.32
1  1
'YONKERS@17 EB LEFT'  'AG'  202026.6  233547.1  201962.1  233560.3  7  3.89  0.0  9.66
1  1
'YONKERS@17 EB TR'  'AG'  202020.1  233542.7  201955.2  233556.0  1895  3.89  0.0  13.32
1  1
'YONKERS 17 TO 18 EB'  'AG'  202141.4  233517.0  202020.1  233542.7  2101  3.89  0.0  13.32
1  1
'YONKERS@18 EB DEPART'  'AG'  202194.8  233505.8  202141.4  233517.0  2899  3.89  0.0  13.32
1  1
'YONKERS@19 EB THRU'  'AG'  202279.3  233477.5  202194.8  233505.8  2216  3.89  0.0  13.32
1  1
'YONKERS@19 EB RIGHT'  'AG'  202235.6  233487.5  202193.5  233501.5  683  3.89  0.0  9.66
1  1
'YONKERS@20 EB LEFT'  'AG'  202347.7  233439.8  202280.6  233481.5  623  3.89  0.0  9.66
1  1
'YONKERS@20 EB THRU'  'AG'  202338.3  233439.4  202278.8  233476.2  1593  3.89  0.0  13.32
1  2
'YONKERS@20 EB DEPART'  'AG'  202338.3  233439.4  202459.2  233329.0  1627  3.89  0.0  13.32
1
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'YONKERS@20 EB DEPART'  'AG'  202459.2  233329.0  202557.8  233302.7  1627  3.89  0.0  13.32
1  2
'YONKERS@20 WB APPR'  'AG'  202386.3  233411.3  202462.7  233333.1  1363  3.89  0.0  13.32
1
'YONKERS@20 WB APPR'  'AG'  202462.7  233333.1  202565.5  233310.5  1363  3.89  0.0  13.32
1  1
'YONKERS@20 WB THRU'  'AG'  202343.0  233451.3  202386.3  233411.3  1139  3.89  0.0  13.32
1  1
'YONKERS@20 WB RIGHT'  'AG'  202364.3  233439.1  202390.0  233415.2  224  3.89  0.0  9.66
1  1
'YONKERS@20 WB RIGHT'  'AG'  202361.8  233459.5  202364.3  233439.1  224  3.89  0.0  9.66
1  1
'YONKERS@20 WB DEPART'  'AG'  202290.5  233481.4  202343.0  233451.3  2528  3.89  0.0  13.32
1  1
'YONKERS@19 WB APPR'  'AG'  202250.1  233499.4  202290.5  233481.4  2528  3.89  0.0  13.32
1  1
'YONKERS@19 WB DEPART'  'AG'  202198.6  233514.7  202250.1  233499.4  3301  3.89  0.0  13.32
1  1
'YONKERS@18 WB THRU'  'AG'  202139.1  233527.8  202198.6  233514.7  2492  3.89  0.0  13.32
1  1
'YONKERS@18 WB RIGHT'  'AG'  202157.8  233528.7  202199.6  233520.0  809  3.89  0.0  9.66
1  1
'YONKERS@18 WB DEPART'  'AG'  202068.8  233544.8  202139.1  233527.8  2646  3.89  0.0  13.32
1  1
'YONKERS@17 WB LEFT'  'AG'  202022.0  233549.1  202067.5  233539.5  223  3.89  0.0  9.66
1  1
'YONKERS@17 WB TR'  'AG'  202023.8  233554.6  202068.8  233544.9  2423  3.89  0.0  13.32
1  1
'YONKERS@17 WB DEPART'  'AG'  201959.7  233566.9  202023.7  233553.8  2396  3.89  0.0  13.32
1  1
'YONKERS@17 WB DEPART'  'AG'  201778.9  233557.2  201959.5  233566.9  2396  3.89  0.0  13.32
1  1
'PRESCOTT NB APPR'  'AG'  202023.6  233542.0  202011.9  233504.5  120  3.89  0.0  9.66
1  1
'PRESCOTT NB DEPART'  'AG'  202031.8  233587.1  202027.4  233553.6  50  3.89  0.0  9.66
1  1
'PRESCOTT SB DEPART'  'AG'  202008.5  233505.5  202020.0  233542.7  241  3.89  0.0  9.66
1  1
'ASHBURTON NB DEPART'  'AG'  202142.4  233542.2  202157.8  233528.7  809  3.89  0.0  9.66
1  1
'ASHBURTON NB DEPART'  'AG'  202106.0  233719.3  202142.4  233542.2  809  3.89  0.0  9.66
1  1
'ASHBURTON NB DEPART'  'AG'  202127.9  233820.1  202106.0  233719.3  809  3.89  0.0  9.66
1  1
'ASHBURTON SB APPR'  'AG'  202141.3  233517.1  202100.2  233718.0  827  3.89  0.0  13.32
1  1
'ASHBURTON SB APPR'  'AG'  202100.2  233718.0  202122.1  233821.0  827  3.89  0.0  9.66
1  1
'SMRP SB RAMP SB APPR'  'AG'  202273.2  233521.3  202338.9  233661.0  773  3.89  0.0  13.32
1  1
'SMRP SB RAMP SB R'  'AG'  202254.6  233504.7  202273.1  233521.3  773  3.89  0.0  13.32
1  1
'SMRP SB RAMP SB DEP'  'AG'  202258.4  233451.3  202235.6  233487.5  683  3.89  0.0  9.66
1  1
'SMRP SB RAMP SB DEP'  'AG'  202258.7  233386.1  202258.4  233451.3  683  3.89  0.0  9.66
1  1
'SMRP SB RAMP SB DEP'  'AG'  202224.8  233190.8  202258.7  233386.1  683  3.89  0.0  9.66
1  1
'SMRP NB RAMP NB DEP'  'AG'  202386.6  233494.5  202347.7  233439.8  847  3.89  0.0  9.66
1  1
'SMRP NB RAMP NB DEP'  'AG'  202405.7  233555.3  202386.6  233494.5  847  3.89  0.0  9.66
1  1
'SMRP NB RAMP SB APPR'  'AG'  202367.6  233484.1  202398.9  233557.5  1423  3.89  0.0  9.66
1  1
'SMRP NB RAMP SB LEFT'  'AG'  202338.2  233439.6  202370.6  233482.4  34  3.89  0.0  9.66
1  1
'SMRP NB RAMP SB R'  'AG'  202343.0  233451.4  202367.3  233484.3  1389  3.89  0.0  9.66
1  1
'SMRP NB'  'DP'  202273.2  233397.8  202294.8  233258.7  2562  5.27  -6.0  13.32
1  1
'SMRP NB'  'DP'  202317.8  233567.8  202273.2  233397.8  2562  5.27  -6.0  13.32
1  1
'SMRP NB'  'DP'  202372.6  233692.0  202317.8  233567.8  2562  5.27  -6.0  13.32
1  1
'SMRP SB'  'DP'  202302.2  233552.4  202392.0  233754.6  2880  5.27  -6.0  13.32
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1  1
'SMRP SB'  'DP'  202262.9  233392.4  202302.2  233552.4  2880  5.27  -6.0  13.32
1  1
'SMRP SB'  'DP'  202288.5  233254.3  202262.9  233392.4  2880  5.27  -6.0  13.32
2  1
'YONKERS@17 EB L Q'  'AG'  202011.2  233550.3  201962.1  233560.3  0.0  3.66  1
100  42  2  7  37.77  132  1  3
2  1
'YONKERS@17 EB TR Q'  'AG'  202010.0  233544.9  201955.2  233556.2  0.0  7.32  2
100  42  2  1895  37.77  1720  1  3
2  1
'YONKERS@17 WB L Q'  'AG'  202032.2  233547.0  202067.3  233539.6  0.0  3.66  1
100  29  2  223  37.77  1718  1  3
2  1
'YONKERS@17 WB TR Q'  'AG'  202033.5  233552.5  202068.7  233544.9  0.0  7.32  2
100  29  2  2423  37.77  1719  1  3
2  1
'PRESCOTT NB QUEUE'  'AG'  202021.6  233535.5  202011.8  233504.5  0.0  4.57  1
100  77  2  120  37.77  1747  1  3
2  1
'YONKERS@18 EB THRU Q'  'AG'  202121.2  233521.4  202066.3  233533.0  0.0  7.32  2
100  32  2  2101  37.77  1723  1  3
2  1
'YONKERS@18 WB THRU Q'  'AG'  202156.5  233524.1  202198.5  233514.7  0.0  7.32  2
100  32  2  2492  37.77  1723  1  3
2  1
'YONKERS@18 WB R Q'  'AG'  202157.8  233528.8  202199.6  233519.9  0.0  3.66  1
100  32  2  809  37.77  1509  1  3
2  1
'ASHBURTON SB QUEUE'  'AG'  202137.1  233537.3  202126.2  233590.8  0.0  7.32  2
100  72  2  827  37.77  1713  1  3
2  1
'YONKERS@19 EB THRU Q'  'AG'  202246.3  233488.6  202194.7  233505.8  0.0  7.32  2
100  26  2  2216  37.77  1723  1  3
2  1
'YONKERS@19 WB THRU Q'  'AG'  202250.1  233499.5  202288.1  233482.4  0.0  7.32  2
100  26  2  2528  37.77  1723  1  3
2  1
'SMRP SB RAMP SB R Q'  'AG'  202257.3  233507.0  202273.2  233521.2  0.0  7.32  2
100  78  2  773  37.77  1430  1  3
2  1
'YONKERS@20 EB L Q'  'AG'  202330.8  233450.5  202302.3  233468.0  0.0  3.66  1
100  24  2  623  37.77  1805  1  3
2  1
'YONKERS@20 EB THRU Q'  'AG'  202327.6  233445.9  202299.5  233463.3  0.0  7.32  2
100  24  2  1593  37.77  1723  1  3
2  1
'YONKERS@20 WB THRU Q'  'AG'  202357.2  233438.3  202386.2  233411.3  0.0  7.32  2
100  47  2  1139  37.77  1723  1  3
2  1
'YONKERS@20 WB R Q'  'AG'  202364.4  233439.0  202389.8  233415.4  0.0  3.66  1
100  29  2  224  37.77  1615  1  3
2  1
'SMRP NB RAMP SB L Q'  'AG'  202350.5  233455.3  202370.6  233482.4  0.0  3.66  1
100  82  2  34  37.77  1805  1  3
2  1
'SMRP NB RAMP SB R Q'  'AG'  202347.6  233457.6  202367.4  233484.2  0.0  7.32  2
100  59  2  1389  37.77  1430  1  3
1  2
'Yonkers@16 EB Appr'  'AG'  201645.2  233539.8  201542.6  233536.5  1753  3.89  0.0  13.32
1
'Yonkers@16 EB Appr'  'AG'  201542.6  233536.5  201386.0  233583.0  1753  3.89  0.0  13.32
1  1
'Yonkers@16 EB Left'  'AG'  201690.7  233547.0  201644.9  233544.6  11  3.89  0.0  9.66
1  1
'Yonkers@16 EB TR'  'AG'  201688.6  233541.1  201645.2  233539.8  1742  3.89  0.0  13.32
1  1
'Yonkers@16 WB Left'  'AG'  201690.7  233547.0  201778.9  233552.7  130  3.89  0.0  9.66
1  1
'Yonkers@16 WB TR'  'AG'  201688.8  233552.5  201778.9  233557.2  1767  3.89  0.0  13.32
1  2
'Yonkers@16 WB Depart'  'AG'  201688.9  233551.4  201539.5  233546.5  1810  3.89  0.0  13.32
1
'Yonkers@16 WB Depart'  'AG'  201539.5  233546.5  201387.3  233595.0  1810  3.89  0.0  13.32
1  1
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'Walnut St NB Appr'  'AG'  201688.8  233541.6  201586.3  233262.3  223  3.89  0.0  9.66
1  2
'Walnut St NB Depart'  'AG'  201688.8  233541.6  201713.7  233611.4  134  3.89  0.0  9.66
1
'Walnut St NB Depart'  'AG'  201713.7  233611.4  201827.9  233818.8  134  3.89  0.0  9.66
1  2
'Walnut St SB Appr'  'AG'  201686.8  233546.7  201711.9  233616.1  211  3.89  0.0  9.66
1
'Walnut St SB Appr'  'AG'  201711.9  233616.1  201824.5  233820.4  211  3.89  0.0  9.66
1  1
'Walnut St SB Depart'  'AG'  201686.8  233546.7  201582.6  233263.3  279  3.89  0.0  9.66
2  1
'Yonkers@16 EB L Q'  'AG'  201674.7  233545.9  201644.9  233544.6  0.0  3.66  1
100  30  2  11  37.77  1718  1718  3
2  1
'Yonkers@16 EB TR Q'  'AG'  201675.4  233540.5  201645.2  233539.8  0.0  7.32  1
100  30  2  1742  37.77  1219  1219  3
2  1
'Yonkers@16 WB L Q'  'AG'  201706.0  233547.9  201779.1  233552.6  0.0  3.66  1
100  43  2  130  37.77  1718  1718  3
2  1
'Yonkers@16 WB TR Q'  'AG'  201705.8  233553.2  201778.9  233557.2  0.0  7.32  1
100  43  2  1767  37.77  1719  1719  3
2  1
'Walnut St NB Queue'  'AG'  201685.1  233531.8  201676.9  233509.0  0.0  3.66  1
100  76  2  223  37.77  1605  1605  3
2  1
'Walnut St SB Queue'  'AG'  201691.2  233564.3  201699.4  233587.1  0.0  3.66  1
100  76  2  211  37.77  1381  1381  3
1.0  0  5  1000.0  0.0  'Y'  5  1  72
** BREEZE
** PROJECTN  0 104 7 -177 0 0.9996 500000 0
** MAPLAYER
P:\03113\003\N\014\AIR\MODELING\CAL3QHC\ACAD-YONKERS2004(STC)-INT16-17-18-19-20(12-6-07)_M_R12.DXF
ACAD-YONKERS2004(STC)-INT16-17-18-19-20(12-6-07)_M_R12 2 UNKNOWN UNKNOWN 1 0 -100 0 0 0 0 1 0 0 0 0 0 0 1
1 0 0 0 0
** OUTFILE  P:\03113\003\N\014\Air\Modeling\CAL3QHC\16-17-18-19-20PMBDCO.lst
```

CAL3QHC - (DATED 95221)

CAL3QHC PC (32 BIT) VERSION 3.0.0
(C) COPYRIGHT 1993-2000, TRINITY CONSULTANTS

Run Began on 12/04/2007 at 15:40:19

JOB: 14,15 ASHBURTON AV PM BUILD BALLPARK RUN: (14=NEPPERHAN AVE, 15=WALNUT ST) 20 MPH

DATE : 12/04/ 0
TIME : 15:40:19

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 108. CM
U = 1.0 M/S CLAS = 5 (E) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	*	LENGTH (M)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. ASHBURTON@14 EB APPR	*	201635.7	233975.2	201584.7	233967.9	*	52.	262.	AG	765.	3.9	0.0	9.7		
2. ASHBURTON@14 EB APPR	*	201584.7	233967.9	201425.3	234016.9	*	167.	287.	AG	765.	3.9	0.0	9.7		
3. ASHBURTON@14 EB LEFT	*	201696.1	233987.7	201635.1	233978.9	*	62.	262.	AG	129.	3.9	0.0	9.7		
4. ASHBURTON@14 EB TR	*	201696.2	233983.9	201635.7	233975.2	*	61.	262.	AG	636.	3.9	0.0	9.7		
5. ASHBURTON@14 EB DEP	*	201696.1	233982.9	201814.5	233967.0	*	119.	98.	AG	926.	3.9	0.0	9.7		
6. ASHBURTON@14 WB APPR	*	201758.4	233979.7	201823.2	233971.2	*	65.	97.	AG	848.	3.9	0.0	9.7		
7. ASHBURTON@14 WB LEFT	*	201696.4	233987.0	201758.1	233977.7	*	62.	99.	AG	202.	3.9	0.0	9.7		
8. ASHBURTON@14 WB TR	*	201696.5	233990.7	201758.6	233981.3	*	63.	99.	AG	646.	3.9	0.0	9.7		
9. ASHBURTON@14 WB DEP	*	201696.5	233991.8	201574.9	233971.8	*	123.	261.	AG	835.	3.9	0.0	13.3		
10. ASHBURTON@14 WB DEP	*	201574.9	233971.8	201429.8	234016.5	*	152.	287.	AG	835.	3.9	0.0	13.3		
11. NEPPERHAN AV NB APPR	*	201696.8	233936.6	201682.9	233803.2	*	134.	186.	AG	817.	3.9	0.0	13.3		
12. NEPPERHAN AV NB APPR	*	201682.9	233803.2	201631.9	233719.0	*	98.	211.	AG	817.	3.9	0.0	13.3		
13. NEPPERHAN AV NB LEFT	*	201696.4	233987.0	201691.3	233937.1	*	50.	186.	AG	100.	3.9	0.0	9.7		
14. NEPPERHAN AV NB TR	*	201702.3	233989.9	201696.8	233936.6	*	54.	186.	AG	717.	3.9	0.0	13.3		
15. NEPPERHAN AV NB DEP	*	201702.6	233989.8	201710.1	234066.6	*	77.	6.	AG	733.	3.9	0.0	13.3		
16. NEPPERHAN AV NB DEP	*	201710.1	234066.6	201809.4	234264.6	*	222.	27.	AG	733.	3.9	0.0	13.3		
17. NEPPERHAN AV SB APPR	*	201696.5	234042.7	201708.8	234087.0	*	46.	16.	AG	1045.	3.9	0.0	19.7		
18. NEPPERHAN AV SB APPR	*	201708.8	234087.0	201802.4	234267.7	*	204.	27.	AG	1045.	3.9	0.0	19.7		
19. NEPPERHAN AV SB LEFT	*	201696.1	233987.7	201701.6	234041.9	*	54.	6.	AG	173.	3.9	0.0	9.7		
20. NEPPERHAN AV SB THRU	*	201690.8	233986.9	201696.5	234042.7	*	56.	6.	AG	711.	3.9	0.0	12.7		
21. NEPPERHAN AV SB RT	*	201686.1	233990.1	201691.5	234043.4	*	54.	6.	AG	161.	3.9	0.0	9.4		
22. NEPPERHAN AV SB DEP	*	201690.7	233986.9	201674.2	233814.8	*	173.	185.	AG	981.	3.9	0.0	13.3		
23. NEPPERHAN AV SB DEP	*	201674.2	233814.8	201608.4	233697.9	*	134.	209.	AG	981.	3.9	0.0	13.3		
24. ASHBURTON@15 EB APPR	*	201882.5	233966.1	201814.5	233967.0	*	68.	271.	AG	809.	3.9	0.0	10.6		
25. ASHBURTON@15 EB DEP	*	201882.5	233966.1	201958.8	233885.9	*	111.	136.	AG	762.	3.9	0.0	9.7		
26. ASHBURTON@15 EB DEP	*	201958.8	233885.9	201978.5	233880.1	*	21.	106.	AG	762.	3.9	0.0	9.7		
27. ASHBURTON@15 WB APPR	*	201911.3	233942.9	201962.2	233889.4	*	74.	136.	AG	719.	3.9	0.0	9.7		
28. ASHBURTON@15 WB APPR	*	201962.2	233889.4	201979.7	233884.2	*	18.	107.	AG	719.	3.9	0.0	9.7		
29. ASHBURTON@15 WB LT	*	201882.8	233970.5	201910.2	233941.9	*	40.	136.	AG	471.	3.9	0.0	9.1		
30. ASHBURTON@15 WB RT	*	201879.4	233978.4	201912.4	233944.0	*	48.	136.	AG	248.	3.9	0.0	9.1		
31. ASHBURTON@15 WB DEP	*	201882.8	233970.5	201823.2	233971.2	*	60.	271.	AG	800.	3.9	0.0	13.3		
32. WALNUT ST NB APPR	*	201880.4	233966.1	201875.2	233903.0	*	63.	185.	AG	231.	3.9	0.0	10.6		
33. WALNUT ST NB APPR	*	201875.2	233903.0	201756.5	233686.7	*	247.	209.	AG	231.	3.9	0.0	10.6		
34. WALNUT ST NB DEP	*	201877.5	233966.2	201885.6	234019.6	*	54.	9.	AG	605.	3.9	0.0	9.7		
35. WALNUT ST NB DEP	*	201885.6	234019.6	201910.1	234111.9	*	96.	15.	AG	605.	3.9	0.0	9.7		
36. WALNUT ST NB DEP	*	201910.1	234111.9	201957.8	234240.6	*	137.	20.	AG	605.	3.9	0.0	9.7		
37. WALNUT ST SB APPR	*	201873.7	233993.4	201906.1	234116.0	*	127.	15.	AG	625.	3.9	0.0	9.7		
38. WALNUT ST SB APPR	*	201906.1	234116.0	201953.1	234242.0	*	134.	20.	AG	625.	3.9	0.0	9.7		
39. WALNUT ST SB LT	*	201874.9	233966.3	201873.7	233993.4	*	27.	357.	AG	354.	3.9	0.0	13.3		
40. WALNUT ST SB RT	*	201844.3	233970.9	201873.7	233993.4	*	37.	53.	AG	271.	3.9	0.0	9.7		
41. WALNUT ST SB DEP	*	201874.9	233966.3	201871.5	233904.6	*	62.	183.	AG	217.	3.9	0.0	9.7		
42. WALNUT ST SB DEP	*	201871.5	233904.6	201752.7	233687.9	*	247.	209.	AG	217.	3.9	0.0	9.7		
43. ASHBURTON@14 EB L Q	*	201677.8	233985.0	201666.3	233983.4	*	12.	262.	AG	55.	100.0	0.0	3.7	0.20	1.9
44. ASHBURTON@14 EB TR Q	*	201677.9	233981.2	201050.3	233891.9	*	634.	262.	AG	68.	100.0	0.0	3.7	1.37	105.7

JOB: 14,15 ASHBURTON AV PM BUILD BALLPARK RUN: (14=NEPPERHAN AVE, 15=WALNUT ST) 20 MPH

DATE : 12/04/ 0
TIME : 15:40:19

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	LENGTH (M)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
45. ASHBURTON@14 WB L Q	201711.2	233984.8	201729.2	233982.1	18.	99.	AG	55.	100.0	0.0	3.7	0.31	3.0
46. ASHBURTON@14 WB TR Q	201711.8	233988.5	202369.6	233886.4	666.	99.	AG	68.	100.0	0.0	3.7	1.40	111.0
47. NEPPERHAN AV NB L Q	201694.9	233971.3	201694.0	233962.3	9.	186.	AG	55.	100.0	0.0	3.7	0.16	1.5
48. NEPPERHAN AV NB TR Q	201700.4	233971.3	201695.7	233925.9	46.	186.	AG	136.	100.0	0.0	7.3	0.84	7.6
49. NEPPERHAN AV SB L Q	201697.3	233999.6	201698.9	234015.1	16.	6.	AG	55.	100.0	0.0	3.7	0.27	2.6
50. NEPPERHAN A SB THRUQ	201692.1	233999.6	201696.4	234041.9	42.	6.	AG	136.	100.0	0.0	6.7	0.79	7.1
51. NEPPERHAN AV SB R Q	201687.1	233999.7	201688.9	234017.6	18.	6.	AG	68.	100.0	0.0	3.3	0.42	3.0
52. ASHBURTON@15 EB Q	201858.7	233964.8	201044.0	234030.5	817.	275.	AG	42.	100.0	0.0	4.6	1.42	136.2
53. ASHBURTON@15 WB LT Q	201893.6	233959.2	201913.8	233938.3	29.	136.	AG	42.	100.0	0.0	3.0	0.54	4.8
54. ASHBURTON@15 WB R Q	201895.8	233961.4	201906.3	233950.3	15.	136.	AG	42.	100.0	0.0	3.0	0.34	2.5
55. WALNUT ST NB QUEUE	201879.0	233948.3	201876.0	233912.2	36.	185.	AG	64.	100.0	0.0	4.6	0.94	6.0
56. WALNUT ST SB QUEUE	201873.2	233979.5	201878.6	234011.8	33.	9.	AG	128.	100.0	0.0	6.7	0.79	5.5
57. WALNUT ST SB R Q	201858.4	233981.7	201873.7	233993.4	19.	53.	AG	128.	100.0	0.0	3.7		

JOB: 14,15 ASHBURTON AV PM BUILD BALLPARK RUN: (14=NEPPERHAN AVE, 15=WALNUT ST) 20 MPH

DATE : 12/04/ 0
TIME : 15:40:19

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
43. ASHBURTON@14 EB L Q	100	54	2.0	129	1541	37.77	1	3
44. ASHBURTON@14 EB TR Q	100	67	2.0	636	1598	37.77	1	3
45. ASHBURTON@14 WB L Q	100	54	2.0	202	1541	37.77	1	3
46. ASHBURTON@14 WB TR Q	100	67	2.0	646	1597	37.77	1	3
47. NEPPERHAN AV NB L Q	100	54	2.0	100	1535	37.77	1	3
48. NEPPERHAN AV NB TR Q	100	67	2.0	717	1475	37.77	1	3
49. NEPPERHAN AV SB L Q	100	54	2.0	173	1535	37.77	1	3
50. NEPPERHAN A SB THRUQ	100	67	2.0	711	1551	37.77	1	3
51. NEPPERHAN AV SB R Q	100	67	2.0	161	1327	37.77	1	3
52. ASHBURTON@15 EB Q	90	37	2.0	809	1047	37.77	1	3
53. ASHBURTON@15 WB LT Q	90	37	2.0	471	1592	37.77	1	3
54. ASHBURTON@15 WB R Q	90	37	2.0	248	1353	37.77	1	3
55. WALNUT ST NB QUEUE	90	57	2.0	231	765	37.77	1	3
56. WALNUT ST SB QUEUE	90	57	2.0	625	1225	37.77	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. 01 14 NW CORNER	201681.2	233994.6	1.8
2. 02 14 SW CORNER	201681.2	233975.8	1.8
3. 03 14 NE CORNER	201710.4	233995.2	1.8
4. 04 14 SE CORNER	201708.9	233975.0	1.8
5. 05 ASHBURTON@14 NW	201658.4	233990.6	1.8
6. 06 ASHBURTON@14 SW	201660.5	233973.7	1.8
7. 07 ASHBURTON@14 SW	201629.9	233969.4	1.8
8. 08 ASHBURTON@14 NW	201604.8	233981.6	1.8
9. 09 ASHBURTON@14 SW	201605.9	233965.8	1.8
10. 10 ASHBURTON@14 NW	201590.1	233979.2	1.8
11. 11 ASHBURTON@14 SW	201592.2	233963.9	1.8
12. 12 ASHBURTON@14 SE	201730.6	233973.2	1.8
13. 13 ASHBURTON@14 NE	201764.7	233984.4	1.8
14. 14 ASHBURTON@15 NW	201793.6	233980.4	1.8
15. 15 14 NW	201684.3	234023.2	1.8
16. 16 14 NE	201712.5	234021.3	1.8
17. 17 14 NW	201688.3	234048.1	1.8
18. 18 14 NE	201714.8	234045.6	1.8
19. 19 14 SW	201680.1	233953.1	1.8
20. 20 14 SE	201705.1	233944.9	1.8
21. 21 14 SW	201677.2	233924.6	1.8
22. 22 14 SE	201702.8	233922.3	1.8
23. 23 15 NW CORNER	201852.9	233984.7	1.8
24. 24 15 SW CORNER	201864.6	233956.0	1.8
25. 25 15 NE CORNER	201890.0	233973.8	1.8
26. 26 15 SE CORNER	201889.8	233948.2	1.8
27. 27 ASHBURTON@15 NW	201836.3	233977.8	1.8
28. 28 ASHBURTON@15 SW	201809.5	233962.3	1.8
29. 29 ASHBURTON@15 NE	201916.4	233944.7	1.8
30. 30 ASHBURTON@15 SE	201904.3	233936.1	1.8
31. 31 ASHBURTON@15 NE	201931.8	233928.7	1.8

JOB: 14,15 ASHBURTON AV PM BUILD BALLPARK RUN: (14=NEPPERHAN AVE, 15=WALNUT ST) 20 MPH

DATE : 12/04/ 0
TIME : 15:40:19

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
32. 32 ASHBURTON@15 SE	201921.0	233918.4	1.8
33. 33 ASHBURTON@15 NE	201945.6	233914.0	1.8
34. 34 ASHBURTON@15 SE	201934.9	233903.7	1.8
35. 35 ASHBURTON@15 NE	201961.0	233898.2	1.8
36. 36 15 NE	201867.5	233996.0	1.8
37. 37 15 NW	201886.2	233990.3	1.8
38. 38 15 NE	201875.0	234019.3	1.8
39. 39 15 NW	201890.5	234015.4	1.8
40. 40 15 NE	201880.2	234039.7	1.8
41. 41 15 NW	201895.9	234036.6	1.8
42. 42 15 SW	201867.7	233927.9	1.8
43. 43 15 SE	201883.0	233926.1	1.8
44. 44 15 SW	201859.8	233894.1	1.8
45. 45 15 SE	201866.9	233876.3	1.8

JOB: 14,15 ASHBURTON AV PM BUILD BALLPARK RUN: (14=NEPPERHAN AVE, 15=WALNUT ST) 20 MPH

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 5.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
5.	0.1	0.7	0.2	0.4	0.0	0.5	0.5	0.1	0.5	0.1	0.5	0.4	0.0	0.0	0.0	0.3	0.1	0.3	0.3	0.4
10.	0.2	0.7	0.3	0.5	0.0	0.5	0.5	0.1	0.5	0.1	0.5	0.4	0.0	0.0	0.1	0.3	0.1	0.2	0.5	0.1
15.	0.6	0.9	0.2	0.6	0.0	0.5	0.5	0.1	0.5	0.1	0.5	0.4	0.0	0.0	0.2	0.2	0.2	0.2	0.6	0.0
20.	0.9	1.1	0.0	0.6	0.0	0.6	0.5	0.1	0.5	0.1	0.5	0.4	0.0	0.0	0.4	0.2	0.2	0.2	0.5	0.1
25.	1.0	0.8	0.0	0.6	0.1	0.7	0.5	0.1	0.5	0.1	0.5	0.5	0.0	0.0	0.4	0.0	0.4	0.2	0.5	0.1
30.	0.8	0.8	0.0	0.6	0.3	0.7	0.5	0.1	0.5	0.1	0.5	0.5	0.0	0.0	0.6	0.0	0.4	0.0	0.3	0.1
35.	0.8	0.8	0.0	0.6	0.1	0.8	0.5	0.1	0.5	0.1	0.5	0.5	0.0	0.0	0.6	0.0	0.4	0.0	0.4	0.1
40.	0.9	0.8	0.0	0.6	0.1	0.8	0.6	0.2	0.5	0.1	0.5	0.5	0.0	0.0	0.6	0.0	0.4	0.0	0.6	0.3
45.	0.8	0.6	0.0	0.6	0.2	0.7	0.7	0.2	0.5	0.1	0.5	0.5	0.0	0.0	0.5	0.0	0.3	0.0	0.7	0.3
50.	0.7	0.4	0.0	0.6	0.2	0.7	0.8	0.2	0.7	0.1	0.6	0.5	0.0	0.0	0.5	0.0	0.3	0.0	0.8	0.3
55.	0.7	0.4	0.0	0.6	0.3	0.7	0.8	0.2	0.8	0.1	0.8	0.6	0.0	0.0	0.5	0.0	0.2	0.0	0.7	0.3
60.	0.5	0.5	0.0	0.7	0.3	0.6	0.8	0.4	0.8	0.2	0.8	0.6	0.0	0.0	0.5	0.0	0.2	0.0	0.7	0.3
65.	0.5	0.7	0.0	0.8	0.3	0.5	0.8	0.4	0.8	0.3	0.8	0.8	0.0	0.0	0.5	0.0	0.2	0.0	0.7	0.3
70.	0.5	0.8	0.0	0.9	0.2	0.4	0.7	0.4	0.8	0.4	0.7	0.8	0.0	0.1	0.5	0.0	0.2	0.0	0.7	0.3
75.	0.4	0.9	0.0	0.9	0.2	0.7	0.5	0.6	0.7	0.5	0.7	0.8	0.0	0.1	0.5	0.0	0.2	0.0	0.7	0.2
80.	0.4	0.9	0.0	0.9	0.3	0.7	0.5	0.5	0.7	0.5	0.6	0.9	0.0	0.1	0.5	0.0	0.2	0.0	0.7	0.1
85.	0.4	0.9	0.0	0.8	0.3	0.6	0.5	0.7	0.4	0.6	0.5	1.0	0.2	0.3	0.5	0.0	0.2	0.0	0.6	0.1
90.	0.5	0.8	0.1	0.9	0.6	0.7	0.6	0.8	0.5	0.9	0.5	1.0	0.3	0.5	0.5	0.0	0.2	0.0	0.5	0.1
95.	0.7	0.8	0.2	0.8	0.7	0.5	0.3	0.8	0.2	0.7	0.2	0.9	0.4	0.6	0.5	0.0	0.2	0.0	0.5	0.1
100.	0.8	0.7	0.6	0.5	0.7	0.4	0.2	0.9	0.2	0.8	0.1	0.7	0.7	0.8	0.6	0.1	0.2	0.0	0.5	0.0
105.	0.7	0.5	0.7	0.4	0.8	0.2	0.1	0.7	0.1	0.6	0.1	0.4	0.9	0.8	0.6	0.1	0.3	0.1	0.4	0.0
110.	0.6	0.4	0.6	0.1	1.0	0.2	0.1	0.6	0.1	0.6	0.0	0.2	0.8	0.9	0.6	0.1	0.3	0.1	0.4	0.0
115.	0.6	0.5	0.6	0.1	0.8	0.2	0.1	0.6	0.0	0.6	0.0	0.1	0.8	0.8	0.6	0.1	0.4	0.1	0.4	0.0
120.	0.5	0.5	0.7	0.1	0.7	0.3	0.1	0.5	0.0	0.4	0.0	0.1	0.8	0.8	0.8	0.1	0.4	0.1	0.4	0.0
125.	0.4	0.5	0.7	0.0	0.7	0.3	0.1	0.4	0.0	0.4	0.0	0.0	0.7	0.7	0.9	0.1	0.5	0.1	0.4	0.0
130.	0.5	0.5	0.6	0.0	0.7	0.3	0.0	0.3	0.0	0.4	0.0	0.0	0.7	0.7	0.8	0.2	0.6	0.1	0.3	0.0
135.	0.6	0.6	0.6	0.0	0.7	0.2	0.0	0.3	0.0	0.3	0.0	0.0	0.6	0.6	0.9	0.2	0.5	0.1	0.3	0.0
140.	0.6	0.5	0.6	0.0	0.6	0.2	0.0	0.3	0.0	0.3	0.0	0.0	0.6	0.5	1.0	0.2	0.6	0.1	0.3	0.0
145.	0.7	0.5	0.6	0.0	0.6	0.2	0.0	0.3	0.0	0.3	0.0	0.0	0.5	0.5	0.7	0.1	0.7	0.1	0.5	0.0
150.	0.7	0.6	0.6	0.0	0.6	0.1	0.0	0.3	0.0	0.3	0.0	0.0	0.5	0.5	0.7	0.1	0.6	0.1	0.5	0.0
155.	0.7	0.4	0.5	0.0	0.6	0.2	0.0	0.3	0.0	0.3	0.0	0.0	0.5	0.5	0.7	0.1	0.6	0.1	0.4	0.0
160.	0.7	0.4	0.5	0.0	0.5	0.2	0.0	0.3	0.0	0.3	0.0	0.0	0.5	0.5	0.7	0.1	0.7	0.1	0.4	0.0
165.	0.7	0.5	0.5	0.0	0.5	0.2	0.0	0.3	0.0	0.3	0.0	0.0	0.5	0.5	0.8	0.1	0.7	0.1	0.3	0.0
170.	0.7	0.4	0.5	0.0	0.5	0.1	0.0	0.3	0.0	0.3	0.0	0.0	0.5	0.5	0.6	0.1	0.6	0.0	0.3	0.0
175.	0.7	0.4	0.5	0.0	0.5	0.1	0.0	0.3	0.0	0.3	0.0	0.0	0.5	0.5	0.5	0.1	0.7	0.0	0.4	0.0
180.	0.6	0.3	0.4	0.1	0.4	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.5	0.5	0.3	0.2	0.6	0.2	0.3	0.1
185.	0.4	0.2	0.7	0.3	0.4	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.5	0.5	0.2	0.3	0.5	0.2	0.2	0.1
190.	0.4	0.1	0.9	0.6	0.4	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.5	0.5	0.1	0.5	0.2	0.3	0.1	0.4
195.	0.4	0.1	0.9	0.7	0.4	0.0	0.0	0.3	0.0	0.3	0.0	0.0	0.5	0.5	0.0	0.5	0.0	0.5	0.1	0.4
200.	0.5	0.0	0.8	0.8	0.4	0.0	0.0	0.3	0.0	0.3	0.0	0.1	0.5	0.5	0.1	0.4	0.0	0.5	0.0	0.5
205.	0.5	0.0	0.7	0.7	0.4	0.0	0.0	0.3	0.0	0.2	0.0	0.2	0.5	0.5	0.2	0.3	0.1	0.5	0.0	0.5
210.	0.5	0.0	0.7	0.7	0.4	0.0	0.0	0.3	0.0	0.2	0.0	0.3	0.5	0.5	0.2	0.2	0.1	0.5	0.0	0.7

JOB: 14,15 ASHBURTON AV PM BUILD BALLPARK RUN: (14=NEPPERHAN AVE, 15=WALNUT ST) 20 MPH

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
215.	0.5	0.0	0.6	0.7	0.4	0.0	0.0	0.3	0.0	0.4	0.0	0.2	0.5	0.5	0.2	0.3	0.1	0.5	0.0	0.7
220.	0.5	0.0	0.5	0.6	0.4	0.0	0.0	0.4	0.0	0.4	0.0	0.2	0.5	0.5	0.2	0.5	0.1	0.6	0.0	0.7
225.	0.6	0.0	0.5	0.6	0.6	0.0	0.0	0.5	0.0	0.4	0.0	0.3	0.5	0.5	0.2	0.7	0.1	0.6	0.0	0.7
230.	0.7	0.0	0.5	0.6	0.6	0.0	0.0	0.5	0.0	0.4	0.0	0.3	0.6	0.5	0.2	0.7	0.1	0.6	0.0	0.6
235.	0.7	0.0	0.6	0.6	0.5	0.0	0.0	0.5	0.0	0.4	0.0	0.3	0.7	0.5	0.2	0.8	0.1	0.6	0.0	0.6
240.	0.6	0.0	0.7	0.6	0.6	0.0	0.0	0.4	0.0	0.4	0.0	0.3	0.8	0.6	0.3	0.9	0.1	0.5	0.0	0.6
245.	0.6	0.0	0.6	0.5	0.6	0.0	0.0	0.5	0.0	0.4	0.0	0.3	0.8	0.8	0.2	0.9	0.1	0.5	0.0	0.6
250.	0.5	0.1	0.7	0.6	0.6	0.1	0.1	0.6	0.1	0.6	0.1	0.4	0.8	0.8	0.2	0.8	0.1	0.4	0.0	0.6
255.	0.5	0.2	0.8	0.5	0.7	0.2	0.3	0.7	0.2	0.6	0.2	0.5	0.8	0.8	0.2	0.7	0.1	0.3	0.0	0.6
260.	0.5	0.5	0.7	0.7	0.6	0.5	0.4	0.6	0.4	0.5	0.3	0.4	0.8	1.0	0.2	0.6	0.0	0.2	0.1	0.6
265.	0.4	0.6	0.7	0.7	0.5	0.8	0.7	0.5	0.5	0.5	0.4	0.7	0.8	0.9	0.1	0.5	0.0	0.3	0.1	0.7
270.	0.3	0.8	0.5	1.0	0.4	0.8	1.0	0.6	0.6	0.5	0.5	0.9	0.9	1.0	0.1	0.5	0.0	0.2	0.1	0.7
275.	0.2	0.8	0.5	1.1	0.2	1.0	1.0	0.6	0.9	0.5	0.8	0.8	0.8	0.8	0.0	0.4	0.0	0.2	0.2	0.8
280.	0.2	0.8	0.3	1.0	0.2	0.7	0.9	0.6	0.8	0.4	0.8	0.9	0.4	0.4	0.0	0.4	0.0	0.2	0.2	0.8
285.	0.0	0.8	0.4	1.1	0.0	0.7	0.9	0.4	0.8	0.4	0.9	0.9	0.3	0.3	0.0	0.4	0.0	0.2	0.2	0.8
290.	0.0	0.8	0.5	0.9	0.0	0.7	0.7	0.3	0.8	0.3	1.0	0.7	0.3	0.2	0.0	0.4	0.0	0.2	0.3	0.8
295.	0.0	0.8	0.6	0.8	0.0	0.7	0.6	0.3	0.8	0.2	0.9	0.6	0.1	0.1	0.0	0.4	0.0	0.2	0.3	0.8
300.	0.0	0.7	0.6	0.6	0.0	0.6	0.5	0.2	0.5	0.2	0.8	0.8	0.1	0.1	0.0	0.4	0.0	0.2	0.3	0.8
305.	0.0	0.7	0.6	0.6	0.0	0.5	0.5	0.2	0.5	0.1	0.7	0.9	0.1	0.0	0.0	0.4	0.0	0.2	0.3	0.8
310.	0.0	0.7	0.6	0.5	0.0	0.5	0.5	0.2	0.5	0.1	0.6	0.8	0.1	0.0	0.0	0.4	0.0	0.2	0.3	0.8
315.	0.0	0.6	0.7	0.4	0.0	0.5	0.5	0.2	0.5	0.1	0.5	0.8	0.0	0.0	0.0	0.4	0.0	0.2	0.3	0.8
320.	0.0	0.6	0.6	0.6	0.0	0.5	0.5	0.2	0.5	0.1	0.5	0.8	0.0	0.0	0.0	0.3	0.0	0.2	0.2	0.8
325.	0.0	0.6	0.6	0.7	0.0	0.5	0.5	0.2	0.5	0.1	0.5	0.8	0.0	0.0	0.0	0.2	0.0	0.2	0.2	0.8
330.	0.0	0.6	0.6	0.8	0.0	0.5	0.5	0.2	0.5	0.1	0.5	0.8	0.0	0.0	0.0	0.3	0.0	0.2	0.2	0.8
335.	0.0	0.6	0.4	0.9	0.0	0.5	0.5	0.1	0.5	0.1	0.5	0.8	0.0	0.0	0.0	0.2	0.0	0.2	0.2	0.7
340.	0.0	0.4	0.4	1.0	0.0	0.5	0.5	0.1	0.5	0.1	0.5	0.8	0.0	0.0	0.0	0.2	0.0	0.2	0.2	0.8
345.	0.0	0.3	0.4	0.9	0.0	0.5	0.5	0.1	0.5	0.1	0.5	0.6	0.0	0.0	0.0	0.3	0.0	0.2	0.2	0.6
350.	0.0	0.3	0.4	0.7	0.0	0.5	0.5	0.1	0.5	0.1	0.5	0.5	0.0	0.0	0.0	0.3	0.0	0.2	0.2	0.5
355.	0.0	0.3	0.3	0.5	0.0	0.5	0.5	0.1	0.5	0.1	0.5	0.4	0.0	0.0	0.0	0.2	0.0	0.4	0.1	0.6
360.	0.0	0.4	0.1	0.5	0.0	0.5	0.5	0.1	0.5	0.1	0.5	0.4	0.0	0.0	0.0	0.3	0.0	0.4	0.3	0.5
MAX	1.0	1.1	0.9	1.1	1.0	1.0	1.0	0.9	0.9	0.9	1.0	1.0	0.9	1.0	1.0	0.9	0.7	0.6	0.8	0.8
DEGR.	25	20	190	275	110	275	275	100	275	90	290	90	105	270	140	240	175	220	50	275

JOB: 14,15 ASHBURTON AV PM BUILD BALLPARK RUN: (14=NEPPERHAN AVE, 15=WALNUT ST) 20 MPH

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 5.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
5.	0.2	0.4	0.0	0.6	0.0	0.3	0.0	0.4	0.1	0.4	0.1	0.3	0.1	0.3	0.1	0.0	0.3	0.1	0.2	0.0
10.	0.3	0.1	0.0	0.7	0.0	0.3	0.0	0.4	0.1	0.4	0.1	0.3	0.1	0.3	0.1	0.1	0.3	0.1	0.2	0.1
15.	0.4	0.1	0.0	0.7	0.0	0.3	0.0	0.4	0.1	0.4	0.1	0.3	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1
20.	0.4	0.0	0.0	0.8	0.0	0.2	0.0	0.4	0.1	0.4	0.1	0.3	0.1	0.3	0.1	0.3	0.0	0.3	0.1	0.2
25.	0.5	0.0	0.1	0.6	0.0	0.3	0.0	0.4	0.1	0.3	0.1	0.3	0.1	0.3	0.1	0.3	0.0	0.3	0.0	0.3
30.	0.5	0.0	0.1	0.5	0.0	0.3	0.0	0.4	0.1	0.3	0.1	0.3	0.1	0.3	0.1	0.4	0.0	0.3	0.0	0.3
35.	0.6	0.1	0.2	0.5	0.0	0.4	0.0	0.4	0.1	0.3	0.1	0.3	0.1	0.3	0.1	0.4	0.0	0.3	0.0	0.2
40.	0.6	0.1	0.2	0.5	0.0	0.4	0.0	0.5	0.1	0.3	0.1	0.3	0.1	0.3	0.1	0.4	0.0	0.2	0.0	0.2
45.	0.7	0.1	0.2	0.4	0.0	0.4	0.0	0.5	0.1	0.3	0.1	0.3	0.1	0.3	0.1	0.4	0.0	0.2	0.0	0.2
50.	0.5	0.1	0.4	0.4	0.0	0.4	0.1	0.5	0.1	0.3	0.1	0.3	0.1	0.3	0.1	0.6	0.0	0.2	0.0	0.2
55.	0.5	0.1	0.3	0.3	0.0	0.4	0.2	0.7	0.1	0.4	0.1	0.3	0.1	0.3	0.1	0.6	0.0	0.2	0.0	0.2
60.	0.5	0.1	0.4	0.3	0.0	0.4	0.2	0.9	0.2	0.4	0.1	0.3	0.1	0.3	0.1	0.6	0.0	0.2	0.0	0.2
65.	0.5	0.1	0.5	0.3	0.0	0.5	0.2	0.9	0.2	0.4	0.1	0.3	0.1	0.3	0.1	0.6	0.0	0.2	0.0	0.2
70.	0.5	0.1	0.5	0.2	0.0	0.5	0.3	0.8	0.2	0.4	0.1	0.3	0.1	0.3	0.1	0.6	0.0	0.2	0.0	0.2
75.	0.5	0.1	0.6	0.2	0.0	0.6	0.3	0.8	0.2	0.3	0.1	0.3	0.1	0.3	0.1	0.6	0.0	0.2	0.0	0.2
80.	0.5	0.1	0.6	0.3	0.0	0.5	0.2	0.7	0.2	0.3	0.1	0.3	0.1	0.3	0.1	0.5	0.0	0.1	0.0	0.2
85.	0.4	0.1	0.6	0.4	0.0	0.5	0.3	0.6	0.2	0.4	0.1	0.3	0.1	0.3	0.1	0.5	0.0	0.1	0.0	0.2
90.	0.4	0.1	0.6	0.4	0.0	0.5	0.4	0.7	0.2	0.4	0.1	0.3	0.1	0.3	0.1	0.5	0.0	0.1	0.0	0.2
95.	0.3	0.0	0.7	0.4	0.1	0.4	0.3	0.4	0.2	0.3	0.1	0.3	0.1	0.2	0.0	0.5	0.0	0.1	0.0	0.2
100.	0.2	0.0	0.5	0.3	0.2	0.3	0.5	0.3	0.2	0.3	0.1	0.2	0.0	0.2	0.0	0.7	0.1	0.1	0.0	0.2
105.	0.2	0.0	0.6	0.2	0.2	0.3	0.6	0.1	0.1	0.3	0.0	0.3	0.0	0.2	0.0	0.7	0.1	0.3	0.1	0.2
110.	0.2	0.0	0.5	0.1	0.2	0.3	0.6	0.0	0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.7	0.1	0.3	0.1	0.3
115.	0.2	0.0	0.5	0.1	0.2	0.3	0.7	0.0	0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.7	0.1	0.3	0.1	0.3
120.	0.2	0.0	0.6	0.2	0.2	0.3	0.6	0.0	0.0	0.3	0.0	0.3	0.0	0.3	0.1	0.7	0.1	0.3	0.1	0.3
125.	0.2	0.0	0.4	0.2	0.2	0.3	0.5	0.0	0.1	0.3	0.0	0.3	0.0	0.2	0.1	0.9	0.1	0.3	0.1	0.3
130.	0.2	0.0	0.5	0.1	0.2	0.2	0.5	0.0	0.1	0.3	0.1	0.3	0.1	0.1	0.1	0.9	0.1	0.3	0.1	0.3
135.	0.2	0.0	0.4	0.1	0.3	0.1	0.6	0.0	0.1	0.3	0.1	0.1	0.1	0.1	0.1	1.0	0.1	0.4	0.1	0.3
140.	0.2	0.0	0.3	0.1	0.5	0.1	0.6	0.0	0.3	0.1	0.1	0.1	0.1	0.1	0.2	1.0	0.1	0.4	0.1	0.3
145.	0.3	0.0	0.3	0.1	0.6	0.0	0.5	0.0	0.3	0.1	0.3	0.1	0.1	0.0	0.2	1.1	0.2	0.4	0.1	0.3
150.	0.3	0.0	0.4	0.1	0.6	0.0	0.5	0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.2	1.0	0.2	0.5	0.1	0.2
155.	0.3	0.0	0.4	0.1	0.6	0.0	0.5	0.0	0.3	0.0	0.3	0.0	0.3	0.0	0.3	0.9	0.2	0.6	0.1	0.2
160.	0.3	0.0	0.4	0.1	0.6	0.0	0.5	0.0	0.3	0.0	0.3	0.0	0.2	0.0	0.3	0.7	0.2	0.7	0.1	0.2
165.	0.3	0.0	0.3	0.1	0.5	0.0	0.4	0.0	0.3	0.0	0.2	0.0	0.2	0.0	0.3	0.9	0.2	0.7	0.1	0.1
170.	0.3	0.0	0.3	0.1	0.3	0.0	0.4	0.0	0.2	0.0	0.2	0.0	0.2	0.0	0.2	0.8	0.2	0.8	0.1	0.3
175.	0.3	0.0	0.4	0.0	0.3	0.0	0.4	0.0	0.2	0.0	0.2	0.0	0.2	0.0	0.2	0.7	0.2	0.8	0.1	0.3
180.	0.3	0.1	0.4	0.0	0.3	0.0	0.4	0.0	0.2	0.0	0.2	0.0	0.2	0.0	0.2	0.5	0.2	0.8	0.1	0.4
185.	0.2	0.1	0.4	0.0	0.4	0.0	0.4	0.0	0.2	0.0	0.2	0.0	0.2	0.0	0.1	0.6	0.3	0.7	0.2	0.5
190.	0.1	0.3	0.4	0.0	0.4	0.0	0.4	0.0	0.2	0.0	0.2	0.0	0.2	0.0	0.1	0.6	0.3	0.6	0.2	0.4
195.	0.1	0.3	0.4	0.0	0.4	0.1	0.4	0.0	0.2	0.0	0.2	0.0	0.2	0.0	0.2	0.6	0.3	0.5	0.3	0.4
200.	0.0	0.3	0.4	0.0	0.4	0.1	0.4	0.0	0.2	0.0	0.2	0.0	0.2	0.0	0.2	0.6	0.3	0.3	0.4	0.3
205.	0.0	0.3	0.4	0.0	0.4	0.1	0.4	0.0	0.3	0.0	0.2	0.0	0.2	0.0	0.2	0.6	0.3	0.2	0.5	0.1
210.	0.0	0.3	0.4	0.0	0.4	0.1	0.4	0.0	0.3	0.0	0.2	0.0	0.2	0.0	0.2	0.6	0.4	0.2	0.6	0.0

JOB: 14,15 ASHBURTON AV PM BUILD BALLPARK RUN: (14=NEPPERHAN AVE, 15=WALNUT ST) 20 MPH

WIND ANGLE RANGE: 5.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
215.	0.0	0.3	0.4	0.0	0.3	0.2	0.4	0.0	0.3	0.0	0.2	0.0	0.2	0.0	0.2	0.6	0.5	0.1	0.6	0.0
220.	0.0	0.2	0.4	0.0	0.2	0.2	0.5	0.0	0.3	0.0	0.2	0.0	0.2	0.0	0.2	0.7	0.5	0.1	0.8	0.0
225.	0.0	0.2	0.4	0.0	0.3	0.2	0.5	0.0	0.3	0.0	0.2	0.0	0.2	0.0	0.2	0.5	0.5	0.1	0.7	0.0
230.	0.0	0.2	0.4	0.0	0.2	0.2	0.5	0.0	0.3	0.0	0.2	0.0	0.2	0.0	0.2	0.3	0.6	0.1	0.7	0.1
235.	0.0	0.2	0.4	0.0	0.3	0.1	0.5	0.0	0.3	0.1	0.2	0.0	0.2	0.0	0.2	0.2	0.6	0.1	0.7	0.1
240.	0.0	0.2	0.4	0.0	0.3	0.1	0.5	0.0	0.4	0.1	0.2	0.0	0.2	0.0	0.2	0.2	0.9	0.1	0.5	0.1
245.	0.0	0.2	0.3	0.0	0.4	0.1	0.7	0.0	0.4	0.1	0.2	0.0	0.2	0.0	0.2	0.2	0.9	0.1	0.5	0.0
250.	0.0	0.2	0.4	0.0	0.5	0.1	0.6	0.0	0.4	0.1	0.2	0.0	0.2	0.0	0.2	0.2	0.9	0.2	0.6	0.0
255.	0.0	0.2	0.4	0.0	0.6	0.1	0.7	0.1	0.3	0.1	0.2	0.0	0.2	0.0	0.2	0.3	0.8	0.3	0.6	0.1
260.	0.0	0.2	0.5	0.0	0.7	0.1	0.9	0.2	0.3	0.1	0.2	0.0	0.2	0.0	0.2	0.4	1.1	0.2	0.5	0.1
265.	0.1	0.2	0.5	0.2	0.8	0.2	0.8	0.4	0.4	0.1	0.2	0.0	0.2	0.0	0.2	0.3	1.0	0.2	0.5	0.0
270.	0.1	0.3	0.4	0.2	0.9	0.3	0.8	0.4	0.5	0.2	0.4	0.0	0.2	0.0	0.2	0.3	0.9	0.0	0.2	0.0
275.	0.1	0.3	0.2	0.5	0.5	0.3	0.6	0.5	0.6	0.3	0.5	0.2	0.3	0.1	0.2	0.1	0.7	0.0	0.2	0.0
280.	0.1	0.3	0.0	0.7	0.6	0.3	0.3	0.6	0.5	0.3	0.4	0.2	0.3	0.1	0.2	0.0	0.6	0.0	0.2	0.0
285.	0.2	0.5	0.0	0.7	0.4	0.5	0.1	0.7	0.7	0.3	0.4	0.2	0.4	0.1	0.3	0.0	0.5	0.0	0.2	0.0
290.	0.2	0.5	0.0	0.7	0.3	0.4	0.0	0.8	0.8	0.3	0.4	0.3	0.5	0.1	0.5	0.0	0.5	0.0	0.2	0.0
295.	0.2	0.6	0.0	0.6	0.4	0.5	0.0	0.8	0.9	0.2	0.4	0.3	0.4	0.2	0.4	0.0	0.5	0.0	0.2	0.0
300.	0.2	0.6	0.0	0.5	0.4	0.5	0.0	0.8	0.7	0.2	0.4	0.1	0.4	0.1	0.4	0.0	0.5	0.0	0.2	0.0
305.	0.1	0.6	0.0	0.5	0.4	0.4	0.0	0.7	0.7	0.2	0.4	0.2	0.4	0.2	0.4	0.0	0.5	0.0	0.2	0.0
310.	0.1	0.6	0.0	0.5	0.4	0.4	0.0	0.6	0.7	0.2	0.4	0.2	0.4	0.2	0.4	0.0	0.5	0.0	0.1	0.0
315.	0.1	0.7	0.0	0.5	0.4	0.4	0.0	0.6	0.6	0.2	0.3	0.2	0.4	0.2	0.3	0.0	0.5	0.0	0.1	0.0
320.	0.1	0.7	0.0	0.5	0.5	0.4	0.0	0.6	0.2	0.4	0.3	0.3	0.3	0.3	0.2	0.0	0.5	0.0	0.2	0.0
325.	0.1	0.6	0.0	0.5	0.5	0.5	0.0	0.4	0.2	0.5	0.2	0.5	0.2	0.5	0.2	0.0	0.5	0.0	0.2	0.0
330.	0.1	0.7	0.0	0.4	0.3	0.4	0.0	0.4	0.2	0.5	0.1	0.5	0.1	0.5	0.1	0.0	0.5	0.0	0.2	0.0
335.	0.1	0.7	0.0	0.4	0.3	0.4	0.0	0.4	0.2	0.6	0.1	0.6	0.1	0.4	0.1	0.0	0.5	0.0	0.2	0.0
340.	0.1	0.8	0.0	0.3	0.4	0.6	0.0	0.4	0.1	0.6	0.1	0.5	0.1	0.4	0.1	0.0	0.4	0.0	0.2	0.0
345.	0.1	0.9	0.0	0.4	0.3	0.5	0.0	0.4	0.1	0.7	0.1	0.4	0.1	0.4	0.1	0.0	0.4	0.0	0.2	0.0
350.	0.0	0.9	0.0	0.4	0.3	0.4	0.0	0.4	0.1	0.5	0.1	0.3	0.1	0.3	0.1	0.0	0.3	0.0	0.2	0.0
355.	0.0	0.8	0.0	0.4	0.2	0.3	0.0	0.4	0.1	0.5	0.1	0.3	0.1	0.3	0.1	0.0	0.3	0.0	0.2	0.0
360.	0.2	0.6	0.0	0.5	0.1	0.4	0.0	0.4	0.1	0.5	0.1	0.3	0.1	0.3	0.1	0.0	0.3	0.0	0.2	0.0
MAX	0.7	0.9	0.7	0.8	0.9	0.6	0.9	0.9	0.9	0.7	0.5	0.6	0.5	0.5	0.5	1.1	1.1	0.8	0.8	0.5
DEGR.	45	345	95	20	270	75	260	60	295	345	275	335	290	330	290	145	260	170	220	185

JOB: 14,15 ASHBURTON AV PM BUILD BALLPARK RUN: (14=NEPPERHAN AVE, 15=WALNUT ST) 20 MPH

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 5.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45
5.	0.3	0.3	0.2	0.1	0.2
10.	0.2	0.2	0.1	0.1	0.1
15.	0.1	0.2	0.1	0.2	0.1
20.	0.1	0.3	0.1	0.1	0.1
25.	0.0	0.2	0.1	0.1	0.0
30.	0.0	0.2	0.1	0.1	0.0
35.	0.0	0.2	0.1	0.1	0.0
40.	0.0	0.2	0.1	0.2	0.0
45.	0.0	0.3	0.1	0.2	0.0
50.	0.0	0.3	0.1	0.1	0.0
55.	0.0	0.3	0.1	0.1	0.0
60.	0.0	0.2	0.1	0.1	0.1
65.	0.0	0.2	0.1	0.1	0.1
70.	0.0	0.2	0.1	0.1	0.1
75.	0.0	0.2	0.1	0.1	0.1
80.	0.0	0.2	0.1	0.1	0.1
85.	0.0	0.2	0.2	0.1	0.1
90.	0.0	0.2	0.2	0.1	0.0
95.	0.0	0.2	0.2	0.0	0.0
100.	0.0	0.1	0.1	0.0	0.0
105.	0.0	0.1	0.1	0.0	0.0
110.	0.1	0.1	0.1	0.0	0.0
115.	0.1	0.1	0.0	0.0	0.0
120.	0.1	0.1	0.0	0.0	0.0
125.	0.1	0.1	0.0	0.0	0.0
130.	0.1	0.1	0.0	0.0	0.0
135.	0.1	0.1	0.0	0.0	0.0
140.	0.1	0.1	0.0	0.0	0.0
145.	0.1	0.1	0.0	0.0	0.0
150.	0.0	0.1	0.0	0.0	0.0
155.	0.0	0.1	0.0	0.0	0.0
160.	0.0	0.1	0.0	0.0	0.0
165.	0.0	0.0	0.0	0.0	0.0
170.	0.0	0.0	0.0	0.0	0.0
175.	0.0	0.0	0.0	0.0	0.0
180.	0.0	0.0	0.0	0.0	0.0
185.	0.0	0.0	0.0	0.1	0.0
190.	0.2	0.0	0.0	0.1	0.0
195.	0.2	0.0	0.1	0.1	0.0
200.	0.4	0.0	0.1	0.1	0.0
205.	0.6	0.0	0.1	0.1	0.0
210.	0.6	0.0	0.2	0.1	0.1

JOB: 14,15 ASHBURTON AV PM BUILD BALLPARK RUN: (14=NEPPERHAN AVE, 15=WALNUT ST) 20 MPH

WIND ANGLE RANGE: 5.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45
215.	0.5	0.0	0.2	0.0	0.1
220.	0.4	0.0	0.2	0.0	0.1
225.	0.3	0.0	0.2	0.0	0.1
230.	0.3	0.0	0.2	0.0	0.1
235.	0.3	0.0	0.2	0.0	0.0
240.	0.3	0.0	0.2	0.0	0.0
245.	0.3	0.0	0.2	0.0	0.0
250.	0.2	0.0	0.2	0.0	0.0
255.	0.3	0.0	0.2	0.0	0.0
260.	0.3	0.0	0.2	0.0	0.0
265.	0.2	0.0	0.2	0.0	0.0
270.	0.2	0.1	0.3	0.0	0.0
275.	0.2	0.1	0.3	0.1	0.0
280.	0.2	0.2	0.4	0.1	0.1
285.	0.2	0.1	0.3	0.0	0.0
290.	0.2	0.2	0.4	0.1	0.0
295.	0.2	0.3	0.4	0.0	0.0
300.	0.2	0.2	0.4	0.0	0.0
305.	0.2	0.2	0.4	0.0	0.0
310.	0.2	0.2	0.4	0.1	0.0
315.	0.2	0.2	0.3	0.1	0.0
320.	0.2	0.2	0.3	0.1	0.0
325.	0.2	0.1	0.3	0.1	0.0
330.	0.2	0.1	0.3	0.1	0.0
335.	0.2	0.1	0.3	0.1	0.0
340.	0.2	0.1	0.4	0.0	0.0
345.	0.2	0.1	0.5	0.0	0.0
350.	0.2	0.1	0.5	0.0	0.0
355.	0.2	0.3	0.3	0.0	0.0
360.	0.3	0.3	0.3	0.0	0.0
MAX	0.6	0.3	0.5	0.2	0.2
DEGR.	205	5	350	15	5

THE HIGHEST CONCENTRATION OF 1.10 PPM OCCURRED AT RECEPTOR REC2 .

JOB: 14,15 ASHBURTON AV PM BUILD BALLPARK RUN: (14=NEPPERHAN AVE, 15=WALNUT ST) 20 MPH

DATE : 12/04/ 0
TIME : 15:40:19

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

CO/LINK (PPM)
ANGLE (DEGREES)

LINK #	REC1 25	REC2 20	REC3 190	REC4 275	REC5 110	REC6 275	REC7 275	REC8 100	REC9 275	REC10 90	REC11 290	REC12 90	REC13 105	REC14 270	REC15 140	REC16 240	REC17 175	REC18 220	REC19 50	REC20 275
1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.1	0.0	0.1	0.2	0.1	0.1	0.2	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
15	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0
16	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.2	0.1	0.4	0.4	0.2	0.4	0.2	0.3	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

JOB: 14,15 ASHBURTON AV PM BUILD BALLPARK RUN: (14=NEPPERHAN AVE, 15=WALNUT ST) 20 MPH

LINK #	CO/LINK (PPM) ANGLE (DEGREES) REC1 25	REC2 20	REC3 190	REC4 275	REC5 110	REC6 275	REC7 275	REC8 100	REC9 275	REC10 90	REC11 290	REC12 90	REC13 105	REC14 270	REC15 140	REC16 240	REC17 175	REC18 220	REC19 50	REC20 275
46	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.2	0.5	0.3	0.1	0.0	0.0	0.0	0.1	0.0
47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
48	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.4
49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
50	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.3	0.3	0.0	0.0
51	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
52	0.0	0.1	0.1	0.5	0.2	0.2	0.1	0.2	0.1	0.2	0.1	0.4	0.1	0.2	0.0	0.1	0.0	0.0	0.1	0.1
53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

JOB: 14,15 ASHBURTON AV PM BUILD BALLPARK RUN: (14=NEPPERHAN AVE, 15=WALNUT ST) 20 MPH

DATE : 12/04/ 0
TIME : 15:40:19

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

CO/LINK (PPM)
ANGLE (DEGREES)

LINK #	REC21 45	REC22 345	REC23 95	REC24 20	REC25 270	REC26 75	REC27 260	REC28 60	REC29 295	REC30 345	REC31 275	REC32 335	REC33 290	REC34 330	REC35 290	REC36 145	REC37 260	REC38 170	REC39 220	REC40 185
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.1	0.2	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

JOB: 14,15 ASHBURTON AV PM BUILD BALLPARK RUN: (14=NEPPERHAN AVE, 15=WALNUT ST) 20 MPH

LINK #	CO/LINK (PPM) ANGLE (DEGREES) REC21 45	REC22 345	REC23 95	REC24 20	REC25 270	REC26 75	REC27 260	REC28 60	REC29 295	REC30 345	REC31 275	REC32 335	REC33 290	REC34 330	REC35 290	REC36 145	REC37 260	REC38 170	REC39 220	REC40 185
46	0.1	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	0.3	0.5	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
53	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.4	0.3	0.5	0.4	0.2
57	0.0	0.0	0.4	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.1	0.1

JOB: 14,15 ASHBURTON AV PM BUILD BALLPARK RUN: (14=NEPPERHAN AVE, 15=WALNUT ST) 20 MPH

DATE : 12/04/ 0
TIME : 15:40:19

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

CO/LINK (PPM)
ANGLE (DEGREES)

LINK #	REC41 205	REC42 5	REC43 350	REC44 15	REC45 5
1	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0
34	0.1	0.0	0.0	0.0	0.0
35	0.1	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0
37	0.1	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0

JOB: 14,15 ASHBURTON AV PM BUILD BALLPARK RUN: (14=NEPPERHAN AVE, 15=WALNUT ST) 20 MPH

LINK #	CO/LINK (PPM) ANGLE (DEGREES) REC41 205	REC42 5	REC43 350	REC44 15	REC45 5
46	0.0	0.1	0.1	0.0	0.0
47	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	0.0	0.0	0.0
49	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0
51	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0
53	0.0	0.0	0.0	0.0	0.0
54	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.2	0.1	0.1
56	0.2	0.1	0.1	0.1	0.1
57	0.1	0.1	0.1	0.0	0.0

CAL3QHC - (DATED 95221)

CAL3QHC PC (32 BIT) VERSION 3.0.0
(C) COPYRIGHT 1993-2000, TRINITY CONSULTANTS

Run Began on 12/10/2007 at 11:01:00

JOB: 16,17,18,19,20 YONKERS AV PM BUILD BALLP RUN: ARTERIALS 20 MPH, SAWMILL R PKWY 65 MPH

DATE : 12/10/ 0
TIME : 11:01:00

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 108. CM
U = 1.0 M/S CLAS = 5 (E) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	*	LENGTH (M)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. YONKERS@17 EB APPR	*	201955.2	233556.0	201688.6	233541.6	*	267.	267.	AG	1902.	3.9	0.0	13.3		
2. YONKERS@17 EB LEFT	*	202026.6	233547.1	201962.1	233560.3	*	66.	282.	AG	7.	3.9	0.0	9.7		
3. YONKERS@17 EB TR	*	202020.1	233542.7	201955.2	233556.0	*	66.	282.	AG	1895.	3.9	0.0	13.3		
4. YONKERS 17 TO 18 EB	*	202141.4	233517.0	202020.1	233542.7	*	124.	282.	AG	2101.	3.9	0.0	13.3		
5. YONKERS@18 EB DEPART	*	202194.8	233505.8	202141.4	233517.0	*	55.	282.	AG	2899.	3.9	0.0	13.3		
6. YONKERS@19 EB THRU	*	202279.3	233477.5	202194.8	233505.8	*	89.	289.	AG	2216.	3.9	0.0	13.3		
7. YONKERS@19 EB RIGHT	*	202235.6	233487.5	202193.5	233501.5	*	44.	288.	AG	683.	3.9	0.0	9.7		
8. YONKERS@20 EB LEFT	*	202347.7	233439.8	202280.6	233481.5	*	79.	302.	AG	623.	3.9	0.0	9.7		
9. YONKERS@20 EB THRU	*	202338.3	233439.4	202278.8	233476.2	*	70.	302.	AG	1593.	3.9	0.0	13.3		
10. YONKERS@20 EB DEPART	*	202338.3	233439.4	202459.2	233329.0	*	164.	132.	AG	1627.	3.9	0.0	13.3		
11. YONKERS@20 EB DEPART	*	202459.2	233329.0	202557.8	233302.7	*	102.	105.	AG	1627.	3.9	0.0	13.3		
12. YONKERS@20 WB APPR	*	202386.3	233411.3	202462.7	233333.1	*	109.	136.	AG	1363.	3.9	0.0	13.3		
13. YONKERS@20 WB APPR	*	202462.7	233333.1	202565.5	233310.5	*	105.	102.	AG	1363.	3.9	0.0	13.3		
14. YONKERS@20 WB THRU	*	202343.0	233451.3	202386.3	233411.3	*	59.	133.	AG	1139.	3.9	0.0	13.3		
15. YONKERS@20 WB RIGHT	*	202364.3	233439.1	202390.0	233415.2	*	35.	133.	AG	224.	3.9	0.0	9.7		
16. YONKERS@20 WB RIGHT	*	202361.8	233459.5	202364.3	233439.1	*	21.	173.	AG	224.	3.9	0.0	9.7		
17. YONKERS@20 WB DEPART	*	202290.5	233481.4	202343.0	233451.3	*	61.	120.	AG	2528.	3.9	0.0	13.3		
18. YONKERS@19 WB APPR	*	202250.1	233499.4	202290.5	233481.4	*	44.	114.	AG	2528.	3.9	0.0	13.3		
19. YONKERS@19 WB DEPART	*	202198.6	233514.7	202250.1	233499.4	*	54.	107.	AG	3301.	3.9	0.0	13.3		
20. YONKERS@18 WB THRU	*	202139.1	233527.8	202198.6	233514.7	*	61.	102.	AG	2492.	3.9	0.0	13.3		
21. YONKERS@18 WB RIGHT	*	202157.8	233528.7	202199.6	233520.0	*	43.	102.	AG	809.	3.9	0.0	9.7		
22. YONKERS@18 WB DEPART	*	202068.8	233544.8	202139.1	233527.8	*	72.	104.	AG	2646.	3.9	0.0	13.3		
23. YONKERS@17 WB LEFT	*	202022.0	233549.1	202067.5	233539.5	*	47.	102.	AG	223.	3.9	0.0	9.7		
24. YONKERS@17 WB TR	*	202023.8	233554.6	202068.8	233544.9	*	46.	102.	AG	2423.	3.9	0.0	13.3		
25. YONKERS@17 WB DEPART	*	201959.7	233566.9	202023.7	233553.8	*	65.	102.	AG	2396.	3.9	0.0	13.3		
26. YONKERS@17 WB DEPART	*	201778.9	233557.2	201959.5	233566.9	*	181.	87.	AG	2396.	3.9	0.0	13.3		
27. PRESCOTT NB APPR	*	202023.6	233542.0	202011.9	233504.5	*	39.	197.	AG	120.	3.9	0.0	9.7		
28. PRESCOTT NB DEPART	*	202031.8	233587.1	202027.4	233553.6	*	34.	187.	AG	50.	3.9	0.0	9.7		
29. PRESCOTT SB DEPART	*	202008.5	233505.5	202020.0	233542.7	*	39.	17.	AG	241.	3.9	0.0	9.7		
30. ASHBURTON NB DEPART	*	202142.4	233542.2	202157.8	233528.7	*	20.	131.	AG	809.	3.9	0.0	9.7		
31. ASHBURTON NB DEPART	*	202106.0	233719.3	202142.4	233542.2	*	181.	168.	AG	809.	3.9	0.0	9.7		
32. ASHBURTON NB DEPART	*	202127.9	233820.1	202106.0	233719.3	*	103.	192.	AG	809.	3.9	0.0	9.7		
33. ASHBURTON SB APPR	*	202141.3	233517.1	202100.2	233718.0	*	205.	348.	AG	827.	3.9	0.0	13.3		
34. ASHBURTON SB APPR	*	202100.2	233718.0	202122.1	233821.0	*	105.	12.	AG	827.	3.9	0.0	9.7		
35. SMRP SB RAMP SB APPR	*	202273.2	233521.3	202338.9	233661.0	*	154.	25.	AG	773.	3.9	0.0	13.3		
36. SMRP SB RAMP SB R	*	202254.6	233504.7	202273.1	233521.3	*	25.	48.	AG	773.	3.9	0.0	13.3		
37. SMRP SB RAMP SB DEP	*	202258.4	233451.3	202235.6	233487.5	*	43.	328.	AG	683.	3.9	0.0	9.7		
38. SMRP SB RAMP SB DEP	*	202258.7	233386.1	202258.4	233451.3	*	65.	360.	AG	683.	3.9	0.0	9.7		
39. SMRP SB RAMP SB DEP	*	202224.8	233190.8	202258.7	233386.1	*	198.	10.	AG	683.	3.9	0.0	9.7		
40. SMRP NB RAMP NB DEP	*	202386.6	233494.5	202347.7	233439.8	*	67.	215.	AG	847.	3.9	0.0	9.7		
41. SMRP NB RAMP NB DEP	*	202405.7	233555.3	202386.6	233494.5	*	64.	197.	AG	847.	3.9	0.0	9.7		
42. SMRP NB RAMP SB APPR	*	202367.6	233484.1	202398.9	233557.5	*	80.	23.	AG	1423.	3.9	0.0	9.7		
43. SMRP NB RAMP SB LEFT	*	202338.2	233439.6	202370.6	233482.4	*	54.	37.	AG	34.	3.9	0.0	9.7		
44. SMRP NB RAMP SB R	*	202343.0	233451.4	202367.3	233484.3	*	41.	36.	AG	1389.	3.9	0.0	9.7		

JOB: 16,17,18,19,20 YONKERS AV PM BUILD BALLP RUN: ARTERIALS 20 MPH, SAWMILL R PKWY 65 MPH

DATE : 12/10/ 0
TIME : 11:01:00

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	LENGTH (M)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
45. SMRP NB	202273.2	233397.8	202294.8	233258.7	141.	171.	DP	2562.	5.3	-6.0	13.3		
46. SMRP NB	202317.8	233567.8	202273.2	233397.8	176.	195.	DP	2562.	5.3	-6.0	13.3		
47. SMRP NB	202372.6	233692.0	202317.8	233567.8	136.	204.	DP	2562.	5.3	-6.0	13.3		
48. SMRP SB	202302.2	233552.4	202392.0	233754.6	221.	24.	DP	2880.	5.3	-6.0	13.3		
49. SMRP SB	202262.9	233392.4	202302.2	233552.4	165.	14.	DP	2880.	5.3	-6.0	13.3		
50. SMRP SB	202288.5	233254.3	202262.9	233392.4	140.	350.	DP	2880.	5.3	-6.0	13.3		
51. YONKERS@17 EB L Q	202011.2	233550.3	202010.7	233550.4	0.	279.	AG	43.	100.0	0.0	3.7	0.10	0.1
52. YONKERS@17 EB TR Q	202010.0	233544.9	201844.0	233579.1	170.	282.	AG	85.	100.0	0.0	7.3	1.02	28.3
53. YONKERS@17 WB L Q	202032.2	233547.0	202042.8	233544.8	11.	102.	AG	29.	100.0	0.0	3.7	0.19	1.8
54. YONKERS@17 WB TR Q	202033.5	233552.5	202318.6	233491.0	292.	102.	AG	59.	100.0	0.0	7.3	1.05	48.6
55. PRESCOTT NB QUEUE	202021.6	233535.5	202017.0	233520.8	15.	198.	AG	78.	100.0	0.0	4.6	0.36	2.6
56. YONKERS@18 EB THRU Q	202121.2	233521.4	202041.4	233538.2	82.	282.	AG	65.	100.0	0.0	7.3	0.95	13.6
57. YONKERS@18 WB THRU Q	202156.5	233524.1	202697.5	233403.1	554.	103.	AG	65.	100.0	0.0	7.3	1.13	92.4
58. YONKERS@18 WB R Q	202157.8	233528.8	202202.4	233519.3	46.	102.	AG	32.	100.0	0.0	3.7	0.84	7.6
59. ASHBURTON SB QUEUE	202137.1	233537.3	202120.0	233621.4	86.	348.	AG	146.	100.0	0.0	7.3	1.00	14.3
60. YONKERS@19 EB THRU Q	202246.3	233488.6	202186.7	233508.5	63.	288.	AG	53.	100.0	0.0	7.3	0.92	10.5
61. YONKERS@19 WB THRU Q	202250.1	233499.5	202508.2	233383.4	283.	114.	AG	53.	100.0	0.0	7.3	1.05	47.2
62. SMRP SB RAMP SB R Q	202257.3	233507.0	202610.1	233822.0	473.	48.	AG	158.	100.0	0.0	7.3	1.50	78.8
63. YONKERS@20 EB L Q	202330.8	233450.5	202309.6	233463.5	25.	302.	AG	24.	100.0	0.0	3.7	0.48	4.2
64. YONKERS@20 EB THRU Q	202327.6	233445.9	202300.5	233462.7	32.	302.	AG	49.	100.0	0.0	7.3	0.64	5.3
65. YONKERS@20 WB THRU Q	202357.2	233438.3	202389.8	233407.9	45.	133.	AG	95.	100.0	0.0	7.3	0.67	7.4
66. YONKERS@20 WB R Q	202364.4	233439.0	202372.3	233431.6	11.	133.	AG	29.	100.0	0.0	3.7	0.21	1.8
67. SMRP NB RAMP SB L Q	202350.5	233455.3	202353.3	233459.0	5.	37.	AG	83.	100.0	0.0	3.7	0.13	0.8
68. SMRP NB RAMP SB R Q	202347.6	233457.6	202710.7	233945.3	608.	37.	AG	120.	100.0	0.0	7.3	1.31	101.3
69. Yonkers@16 EB Appr	201645.2	233539.8	201542.6	233536.5	103.	268.	AG	1753.	3.9	0.0	13.3		
70. Yonkers@16 EB Appr	201542.6	233536.5	201386.0	233583.0	163.	287.	AG	1753.	3.9	0.0	13.3		
71. Yonkers@16 EB Left	201690.7	233547.0	201644.9	233544.6	46.	267.	AG	11.	3.9	0.0	9.7		
72. Yonkers@16 EB TR	201688.6	233541.1	201645.2	233539.8	43.	268.	AG	1742.	3.9	0.0	13.3		
73. Yonkers@16 WB Left	201690.7	233547.0	201778.9	233552.7	88.	86.	AG	130.	3.9	0.0	9.7		
74. Yonkers@16 WB TR	201688.8	233552.5	201778.9	233557.2	90.	87.	AG	1767.	3.9	0.0	13.3		
75. Yonkers@16 WB Depart	201688.9	233551.4	201539.5	233546.5	149.	268.	AG	1810.	3.9	0.0	13.3		
76. Yonkers@16 WB Depart	201539.5	233546.5	201387.3	233595.0	160.	288.	AG	1810.	3.9	0.0	13.3		
77. Walnut St NB Appr	201688.8	233541.6	201586.3	233262.3	298.	200.	AG	223.	3.9	0.0	9.7		
78. Walnut St NB Depart	201688.8	233541.6	201713.7	233611.4	74.	20.	AG	134.	3.9	0.0	9.7		
79. Walnut St NB Depart	201713.7	233611.4	201827.9	233818.8	237.	29.	AG	134.	3.9	0.0	9.7		
80. Walnut St SB Appr	201686.8	233546.7	201711.9	233616.1	74.	20.	AG	211.	3.9	0.0	9.7		
81. Walnut St SB Appr	201711.9	233616.1	201824.5	233820.4	233.	29.	AG	211.	3.9	0.0	9.7		
82. Walnut St SB Depart	201686.8	233546.7	201582.6	233263.3	302.	200.	AG	279.	3.9	0.0	9.7		
83. Yonkers@16 EB L Q	201674.7	233545.9	201674.2	233545.9	1.	264.	AG	30.	100.0	0.0	3.7	0.01	0.1
84. Yonkers@16 EB TR Q	201675.4	233540.5	198775.1	233473.0	2901.	269.	AG	30.	100.0	0.0	7.3	2.17	483.5
85. Yonkers@16 WB L Q	201706.0	233547.9	201715.3	233548.5	9.	86.	AG	44.	100.0	0.0	3.7	0.14	1.6
86. Yonkers@16 WB TR Q	201705.8	233553.2	204396.4	233700.4	2695.	87.	AG	44.	100.0	0.0	7.3	1.94	449.1
87. Walnut St NB Queue	201685.1	233531.8	201675.5	233505.2	28.	200.	AG	77.	100.0	0.0	3.7	0.69	4.7
88. Walnut St SB Queue	201691.2	233564.3	201700.2	233589.4	27.	20.	AG	77.	100.0	0.0	3.7	0.76	4.5

JOB: 16,17,18,19,20 YONKERS AV PM BUILD BALLP RUN: ARTERIALS 20 MPH, SAWMILL R PKWY 65 MPH

DATE : 12/10/ 0
TIME : 11:01:00

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
51. YONKERS@17 EB L Q	100	42	2.0	7	132	37.77	1	3
52. YONKERS@17 EB TR Q	100	42	2.0	1895	1720	37.77	1	3
53. YONKERS@17 WB L Q	100	29	2.0	223	1718	37.77	1	3
54. YONKERS@17 WB TR Q	100	29	2.0	2423	1719	37.77	1	3
55. PRESCOTT NB QUEUE	100	77	2.0	120	1747	37.77	1	3
56. YONKERS@18 EB THRU Q	100	32	2.0	2101	1723	37.77	1	3
57. YONKERS@18 WB THRU Q	100	32	2.0	2492	1723	37.77	1	3
58. YONKERS@18 WB R Q	100	32	2.0	809	1509	37.77	1	3
59. ASHBURTON SB QUEUE	100	72	2.0	827	1713	37.77	1	3
60. YONKERS@19 EB THRU Q	100	26	2.0	2216	1723	37.77	1	3
61. YONKERS@19 WB THRU Q	100	26	2.0	2528	1723	37.77	1	3
62. SMRP SB RAMP SB R Q	100	78	2.0	773	1430	37.77	1	3
63. YONKERS@20 EB L Q	100	24	2.0	623	1805	37.77	1	3
64. YONKERS@20 EB THRU Q	100	24	2.0	1593	1723	37.77	1	3
65. YONKERS@20 WB THRU Q	100	47	2.0	1139	1723	37.77	1	3
66. YONKERS@20 WB R Q	100	29	2.0	224	1615	37.77	1	3
67. SMRP NB RAMP SB L Q	100	82	2.0	34	1805	37.77	1	3
68. SMRP NB RAMP SB R Q	100	59	2.0	1389	1430	37.77	1	3
83. Yonkers@16 EB L Q	100	30	2.0	11	1718	37.77	*	3
84. Yonkers@16 EB TR Q	100	30	2.0	1742	1219	37.77	*	3
85. Yonkers@16 WB L Q	100	43	2.0	130	1718	37.77	*	3
86. Yonkers@16 WB TR Q	100	43	2.0	1767	1719	37.77	*	3
87. Walnut St NB Queue	100	76	2.0	223	1605	37.77	*	3
88. Walnut St SB Queue	100	76	2.0	211	1381	37.77	*	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. 18 NW CORNER	202128.6	233537.7	1.8
2. 18 SW CORNER	202125.4	233513.1	1.8
3. 18 NE CORNER	202159.8	233533.8	1.8
4. 18 SE CORNER	202152.9	233507.3	1.8
5. 19 NW CORNER	202242.8	233509.7	1.8
6. 19 SW CORNER	202232.4	233482.9	1.8
7. 18 NW	202099.9	233544.5	1.8
8. 18 SW	202096.0	233519.1	1.8
9. 18 NW	202070.2	233551.7	1.8
10. 18 SW	202064.8	233526.1	1.8
11. 18 FRONT OF BLDG	202136.7	233490.0	1.8
12. 18 FRONT OF BLDG	202157.9	233483.1	1.8
13. 18 FRONT OF BLDG	202190.5	233491.2	1.8
14. 18 FRONT OF BLDG	202202.1	233473.1	1.8
15. ASHBURTON NW	202121.9	233575.7	1.8
16. 20 NW CORNER	202335.1	233464.1	1.8
17. 20 SW CORNER	202323.5	233439.7	1.8
18. 20 NE CORNER	202369.6	233441.8	1.8
19. 20 SE CORNER	202350.5	233418.4	1.8
20. 20 NW	202316.1	233474.8	1.8
21. 20 SW	202301.3	233453.4	1.8

JOB: 16,17,18,19,20 YONKERS AV PM BUILD BALLP RUN: ARTERIALS 20 MPH, SAWMILL R PKWY 65 MPH

DATE : 12/10/ 0
TIME : 11:01:00

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
22. 20 NE	202386.5	233425.9	1.8
23. 20 SE	202367.1	233402.8	1.8
24. 17 NW CORNER	202021.4	233561.5	1.8
25. 17 SW CORNER	202012.1	233536.7	1.8
26. 17 NE CORNER	202033.4	233559.7	1.8
27. 17 SE CORNER	202026.7	233534.0	1.8
28. 17 NW	201949.0	233573.8	1.8
29. 17 SW	201953.9	233547.8	1.8
30. 17 SE	202020.7	233516.0	1.8
31. 16 NW CORNER	201684.7	233559.3	1.8
32. 16 SW CORNER	201675.5	233533.2	1.8
33. 16 NE CORNER	201701.3	233560.7	1.8
34. 16 SE CORNER	201691.7	233534.9	1.8
35. 16 NE	201729.8	233562.5	1.8
36. 16 SE	201730.8	233536.8	1.8
37. 16 NE	201754.1	233564.7	1.8
38. 16 SE	201766.8	233539.0	1.8
39. 16 NE	201797.5	233565.3	1.8
40. 16 SE	201797.5	233540.6	1.8
41. 16 NW	201649.7	233557.4	1.8
42. 16 SW	201651.1	233532.5	1.8
43. 16 NW	201625.3	233556.2	1.8
44. 16 SW	201626.8	233531.6	1.8
45. 16 NW	201600.9	233555.4	1.8
46. 16 SW	201602.3	233530.4	1.8
47. 16 NW	201696.8	233589.2	1.8
48. 16 NE	201709.8	233585.1	1.8
49. 16 NW	201704.6	233611.1	1.8
50. 16 NE	201717.4	233606.5	1.8
51. 16 SW	201661.4	233492.5	1.8
52. 16 SE	201674.8	233488.5	1.8

JOB: 16,17,18,19,20 YONKERS AV PM BUILD BALLP RUN: ARTERIALS 20 MPH, SAWMILL R PKWY 65 MPH

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 5.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
5.	1.0	1.2	0.0	0.7	0.0	0.9	0.2	0.8	0.1	0.8	0.9	0.5	0.7	0.5	1.0	0.4	1.1	0.9	1.2	0.8
10.	1.0	1.1	0.0	0.8	0.0	0.8	0.3	1.0	0.1	0.8	0.6	0.5	0.7	0.6	1.0	0.4	1.1	0.8	1.2	0.8
15.	1.0	1.1	0.0	0.8	0.0	0.9	0.3	1.0	0.1	0.8	0.4	0.5	0.7	0.6	1.0	0.4	1.1	0.9	1.3	0.5
20.	0.8	1.0	0.0	0.8	0.0	0.8	0.4	1.1	0.1	0.8	0.4	0.5	0.7	0.6	0.9	0.3	0.9	0.8	1.2	0.5
25.	0.8	0.8	0.0	0.7	0.1	1.0	0.4	0.9	0.1	0.8	0.4	0.5	0.8	0.6	0.8	0.4	1.1	0.7	1.2	0.3
30.	0.8	0.7	0.0	0.8	0.2	1.2	0.4	0.9	0.1	0.9	0.4	0.5	0.8	0.7	0.8	0.5	1.2	0.7	1.0	0.3
35.	0.8	0.9	0.1	0.9	0.5	1.4	0.4	1.0	0.2	1.0	0.5	0.5	0.9	0.9	0.8	0.6	1.5	0.6	1.0	0.4
40.	0.7	0.7	0.1	0.9	0.6	1.8	0.4	1.0	0.2	1.0	0.5	0.6	1.0	0.9	0.8	0.7	1.5	0.4	0.8	0.4
45.	0.7	0.7	0.1	1.0	0.9	2.2	0.3	1.0	0.2	1.0	0.6	0.7	1.1	1.1	0.8	0.7	1.4	0.3	0.7	0.4
50.	0.7	0.8	0.2	1.1	1.1	2.1	0.3	1.1	0.2	1.0	0.7	0.9	1.3	1.4	0.7	0.8	1.3	0.3	0.7	0.4
55.	0.9	1.1	0.4	1.3	1.3	1.8	0.3	1.1	0.2	1.0	0.9	1.1	1.4	1.3	0.8	0.7	1.1	0.3	0.7	0.5
60.	1.0	1.3	0.5	1.6	1.2	1.7	0.5	1.3	0.2	1.2	1.0	1.1	1.4	1.3	0.9	0.7	1.0	0.3	0.7	0.5
65.	1.1	1.4	0.6	1.6	1.2	1.4	0.6	1.3	0.5	1.5	1.0	1.0	1.5	1.2	1.1	0.6	1.0	0.3	0.7	0.5
70.	1.0	1.5	0.6	1.6	1.2	1.3	0.7	1.5	0.5	1.6	1.1	1.2	1.4	1.0	1.2	0.6	0.8	0.3	0.7	0.5
75.	0.9	1.3	0.5	1.5	1.1	1.4	0.6	1.4	0.5	1.6	1.1	1.1	1.5	1.0	1.4	0.7	0.7	0.4	0.7	0.4
80.	0.9	1.5	0.4	1.7	1.0	1.4	0.6	1.5	0.5	1.6	1.1	1.2	1.5	0.8	1.5	0.7	0.8	0.4	0.7	0.4
85.	0.8	1.8	0.4	2.0	1.0	1.5	0.6	1.6	0.4	1.7	0.9	0.9	1.5	0.8	1.5	0.8	0.6	0.4	0.7	0.5
90.	0.9	1.7	0.4	1.7	1.1	1.3	0.7	1.7	0.4	1.6	1.0	0.7	1.4	0.9	1.5	0.8	0.7	0.4	0.8	0.5
95.	1.3	1.6	0.8	1.8	1.3	1.3	0.6	1.5	0.6	1.6	0.5	0.6	1.2	0.6	1.3	0.7	0.7	0.5	0.7	0.5
100.	1.5	1.4	1.0	1.5	1.6	1.0	1.2	1.4	1.0	1.3	0.5	0.4	0.9	0.6	1.1	0.7	0.6	0.5	0.7	0.5
105.	2.1	1.0	1.6	1.2	1.8	0.9	1.7	0.9	1.5	0.9	0.3	0.3	0.7	0.4	1.3	0.8	0.7	0.5	0.5	0.5
110.	2.4	0.7	1.8	0.7	2.0	0.7	1.7	0.5	1.6	0.4	0.2	0.2	0.5	0.3	1.3	1.0	0.6	0.4	0.6	0.6
115.	2.1	0.3	2.2	0.4	2.0	0.6	1.9	0.2	1.6	0.1	0.2	0.2	0.3	0.3	1.6	1.0	0.7	0.4	0.5	0.7
120.	2.0	0.1	2.1	0.3	2.2	0.5	1.5	0.0	1.3	0.1	0.1	0.2	0.3	0.2	1.6	1.0	0.6	0.3	0.5	1.0
125.	1.5	0.1	1.8	0.2	2.3	0.4	1.2	0.0	1.2	0.0	0.0	0.1	0.2	0.2	1.5	1.2	0.4	0.2	0.5	1.2
130.	1.3	0.0	1.8	0.1	2.2	0.4	1.1	0.1	1.1	0.1	0.2	0.2	0.2	0.2	1.5	1.2	0.3	0.2	0.5	1.2
135.	1.1	0.2	1.5	0.2	2.0	0.4	1.2	0.2	1.1	0.1	0.2	0.2	0.2	0.3	1.6	1.4	0.2	0.2	0.3	1.3
140.	1.2	0.2	1.2	0.2	1.8	0.3	1.1	0.1	1.0	0.0	0.2	0.2	0.3	0.3	1.4	1.3	0.1	0.3	0.2	1.4
145.	1.2	0.2	1.3	0.2	1.6	0.3	1.0	0.0	0.9	0.0	0.2	0.2	0.2	0.2	1.5	1.3	0.0	0.5	0.1	1.2
150.	1.0	0.0	1.3	0.2	1.5	0.5	0.9	0.0	0.9	0.0	0.0	0.1	0.2	0.2	1.4	1.1	0.0	0.6	0.0	0.9
155.	0.8	0.0	1.3	0.1	1.8	0.6	0.9	0.0	0.8	0.0	0.0	0.0	0.2	0.2	1.1	0.8	0.0	0.6	0.0	0.9
160.	0.8	0.0	1.1	0.0	1.7	0.5	0.9	0.0	0.8	0.0	0.0	0.0	0.1	0.2	1.1	0.8	0.0	0.7	0.0	0.9
165.	0.7	0.0	1.1	0.0	1.9	0.6	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.1	0.8	0.7	0.0	0.7	0.0	0.9
170.	0.7	0.0	1.1	0.0	1.9	0.4	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.7	0.8	0.0	0.6	0.0	0.9
175.	0.7	0.0	1.1	0.0	1.8	0.2	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.6	0.8	0.0	0.6	0.0	0.8
180.	0.7	0.0	1.0	0.0	1.5	0.1	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.0	0.6	0.0	0.8
185.	0.7	0.0	1.0	0.0	1.3	0.0	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.1	0.5	0.0	1.0
190.	0.7	0.0	1.0	0.0	1.1	0.0	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.5	0.9	0.2	0.5	0.0	1.0
195.	0.7	0.0	1.0	0.0	1.1	0.0	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.5	0.9	0.2	0.5	0.0	1.0
200.	0.7	0.0	1.0	0.0	1.1	0.0	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.5	0.9	0.2	0.5	0.2	1.1
205.	0.8	0.0	0.9	0.0	1.1	0.0	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.5	0.9	0.2	0.7	0.2	1.2
210.	0.8	0.0	0.8	0.0	1.1	0.0	0.8	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.5	1.0	0.2	0.7	0.2	1.3

JOB: 16,17,18,19,20 YONKERS AV PM BUILD BALLP RUN: ARTERIALS 20 MPH, SAWMILL R PKWY 65 MPH

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
215.	0.8	0.0	0.8	0.0	1.1	0.0	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.5	1.0	0.2	0.7	0.2	1.3
220.	0.8	0.0	0.8	0.0	1.1	0.0	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.5	1.1	0.2	0.7	0.2	1.3
225.	0.8	0.0	0.9	0.0	1.1	0.0	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.5	1.1	0.3	0.7	0.2	1.3
230.	0.9	0.0	0.8	0.0	1.2	0.0	0.9	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.5	1.0	0.4	0.7	0.2	1.3
235.	0.9	0.0	0.8	0.0	1.3	0.0	0.9	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.6	1.0	0.2	0.7	0.2	1.2
240.	0.9	0.0	1.1	0.0	1.4	0.0	0.9	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.7	1.0	0.2	0.6	0.2	1.2
245.	0.9	0.0	1.0	0.0	1.4	0.0	0.9	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.5	1.0	0.2	0.5	0.2	1.1
250.	1.2	0.0	1.1	0.0	1.4	0.0	1.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.6	1.1	0.2	0.5	0.2	1.2
255.	1.2	0.0	1.1	0.0	1.7	0.0	1.2	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.8	1.2	0.2	0.5	0.2	1.2
260.	1.2	0.0	1.2	0.0	1.8	0.0	1.2	0.0	1.2	0.0	0.0	0.0	0.0	0.0	1.1	1.2	0.2	0.6	0.2	1.3
265.	1.3	0.1	1.2	0.0	2.0	0.0	1.5	0.0	1.4	0.1	0.0	0.0	0.0	0.0	0.9	1.2	0.2	0.6	0.2	1.4
270.	1.6	0.1	1.6	0.2	2.2	0.0	1.7	0.2	1.5	0.2	0.0	0.0	0.0	0.0	0.9	1.2	0.2	0.5	0.2	1.5
275.	1.7	0.6	1.6	0.5	2.3	0.0	1.5	0.5	1.3	0.6	0.0	0.0	0.0	0.0	0.5	1.4	0.2	0.8	0.2	1.6
280.	1.4	0.7	1.3	0.8	1.9	0.2	1.3	0.9	1.2	0.8	0.2	0.1	0.3	0.0	0.4	1.6	0.2	0.9	0.2	2.3
285.	0.9	1.4	0.9	1.3	1.7	0.6	0.8	1.1	0.8	1.1	0.3	0.3	0.6	0.3	0.3	2.1	0.2	1.3	0.2	2.2
290.	0.5	1.4	0.7	1.5	1.1	0.9	0.5	1.3	0.4	1.1	0.3	0.3	0.7	0.2	0.2	1.8	0.4	1.6	0.2	2.0
295.	0.2	1.3	0.5	1.1	0.7	1.1	0.2	1.4	0.2	1.2	0.4	0.3	0.7	0.4	0.2	1.6	0.7	1.9	0.4	1.9
300.	0.2	1.2	0.6	1.1	0.4	1.4	0.2	1.3	0.2	1.1	0.5	0.6	0.7	0.5	0.2	1.6	0.8	1.7	0.7	1.5
305.	0.1	1.1	0.7	0.9	0.2	1.4	0.1	1.2	0.1	0.9	0.6	0.5	0.8	0.5	0.1	1.1	1.1	1.4	0.9	1.2
310.	0.1	1.0	0.7	1.0	0.2	1.2	0.1	1.0	0.1	1.1	0.6	0.5	0.8	0.7	0.1	0.9	1.2	1.3	1.3	1.0
315.	0.1	1.0	0.7	0.9	0.1	1.2	0.1	1.0	0.1	1.0	0.5	0.6	0.8	0.6	0.1	0.7	1.5	1.1	1.3	0.9
320.	0.1	0.9	0.6	1.1	0.1	1.2	0.1	0.9	0.1	0.9	0.6	0.4	1.0	0.6	0.1	0.6	1.4	1.1	1.5	0.8
325.	0.1	0.8	0.5	1.0	0.0	1.1	0.1	0.8	0.1	0.8	0.6	0.3	1.0	0.6	0.1	0.6	1.5	1.1	1.2	0.9
330.	0.1	0.8	0.5	1.1	0.0	1.1	0.1	0.8	0.1	0.8	0.6	0.6	1.0	0.6	0.1	0.4	1.5	1.1	1.1	0.9
335.	0.1	0.7	0.4	1.4	0.0	1.1	0.1	0.8	0.1	0.8	0.4	0.8	0.8	0.6	0.1	0.4	1.5	1.0	1.1	0.8
340.	0.3	0.7	0.3	1.4	0.0	1.0	0.1	0.8	0.1	0.8	0.5	0.8	0.7	0.5	0.3	0.5	1.5	1.0	0.9	0.8
345.	0.4	0.7	0.2	1.2	0.0	1.0	0.1	0.8	0.1	0.8	0.5	0.8	0.7	0.6	0.3	0.4	1.4	1.0	1.0	0.9
350.	0.7	0.8	0.0	1.1	0.0	1.0	0.1	0.8	0.1	0.8	0.7	0.8	0.8	0.7	0.6	0.5	1.4	1.0	1.3	0.8
355.	0.9	0.9	0.0	1.0	0.0	0.9	0.1	0.7	0.1	0.8	0.8	0.5	0.8	0.6	0.8	0.5	1.4	1.1	1.0	1.0
360.	1.0	1.1	0.0	0.7	0.0	0.9	0.1	0.7	0.1	0.8	0.7	0.4	0.7	0.5	0.9	0.4	1.2	1.0	1.1	0.9
MAX	2.4	1.8	2.2	2.0	2.3	2.2	1.9	1.7	1.6	1.7	1.1	1.2	1.5	1.4	1.6	2.1	1.5	1.9	1.5	2.3
DEGR.	110	85	115	85	275	45	115	90	110	85	70	70	85	50	115	285	340	295	320	280

JOB: 16,17,18,19,20 YONKERS AV PM BUILD BALLP RUN: ARTERIALS 20 MPH, SAWMILL R PKWY 65 MPH

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 5.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
5.	2.2	0.6	1.2	0.1	0.5	0.1	0.6	0.0	0.7	0.5	0.0	0.3	0.1	0.4	0.0	0.4	0.0	0.4	0.0	0.5
10.	2.0	0.5	1.1	0.1	0.5	0.1	0.6	0.0	0.7	0.3	0.0	0.3	0.0	0.4	0.0	0.4	0.0	0.4	0.0	0.5
15.	1.7	0.5	1.0	0.1	0.5	0.1	0.6	0.0	0.8	0.3	0.1	0.4	0.0	0.4	0.0	0.4	0.0	0.4	0.0	0.5
20.	1.4	0.5	1.0	0.1	0.5	0.1	0.7	0.0	0.8	0.2	0.1	0.4	0.0	0.4	0.0	0.5	0.0	0.4	0.0	0.5
25.	1.2	0.5	1.0	0.1	0.5	0.1	0.7	0.0	0.8	0.2	0.2	0.4	0.0	0.4	0.0	0.5	0.0	0.5	0.0	0.5
30.	1.0	0.5	1.0	0.1	0.5	0.1	0.7	0.0	0.7	0.3	0.3	0.5	0.0	0.5	0.0	0.6	0.0	0.6	0.0	0.6
35.	1.1	0.3	0.8	0.1	0.5	0.1	0.7	0.0	0.7	0.3	0.3	0.5	0.0	0.5	0.0	0.6	0.0	0.6	0.0	0.6
40.	1.1	0.2	0.7	0.1	0.6	0.1	0.7	0.0	0.7	0.3	0.3	0.4	0.0	0.6	0.0	0.6	0.0	0.6	0.0	0.6
45.	1.1	0.2	0.7	0.1	0.6	0.1	0.7	0.0	0.7	0.5	0.2	0.5	0.0	0.6	0.0	0.6	0.0	0.6	0.0	0.6
50.	1.2	0.2	0.7	0.1	0.6	0.1	0.8	0.0	0.8	0.6	0.2	0.4	0.0	0.6	0.0	0.6	0.0	0.6	0.0	0.6
55.	1.1	0.2	0.7	0.2	0.8	0.2	0.8	0.0	0.9	0.8	0.1	0.5	0.0	0.6	0.0	0.6	0.0	0.7	0.0	0.9
60.	1.0	0.2	0.7	0.3	0.8	0.2	0.8	0.0	0.9	0.8	0.1	0.7	0.0	0.7	0.0	0.8	0.0	0.8	0.0	0.9
65.	1.1	0.2	0.7	0.3	0.9	0.4	1.2	0.0	0.9	0.9	0.1	0.7	0.0	0.7	0.0	0.7	0.0	0.9	0.0	0.9
70.	1.2	0.2	0.6	0.4	1.1	0.5	1.4	0.0	1.0	1.0	0.0	0.9	0.0	0.9	0.0	0.9	0.0	1.0	0.2	1.0
75.	1.1	0.2	0.6	0.5	1.2	0.5	1.3	0.2	1.1	0.9	0.1	0.8	0.1	1.0	0.1	1.1	0.1	1.1	0.3	1.2
80.	1.1	0.3	0.6	0.5	1.3	0.5	1.5	0.3	1.4	0.7	0.4	1.0	0.3	1.3	0.5	1.1	0.4	1.1	0.6	1.1
85.	1.2	0.3	0.5	0.5	1.3	0.5	1.5	0.6	1.5	1.0	0.7	0.9	0.9	0.9	0.8	1.0	0.8	1.0	1.0	0.9
90.	1.1	0.3	0.4	0.6	1.6	0.5	1.6	0.8	1.4	0.8	1.0	0.6	1.1	0.6	1.1	0.6	0.8	0.7	1.2	0.6
95.	0.9	0.3	0.5	0.8	1.4	0.7	1.3	1.0	1.2	0.4	1.0	0.3	1.2	0.2	1.1	0.2	1.0	0.2	1.3	0.2
100.	1.1	0.2	0.4	1.1	1.1	1.0	1.1	1.2	0.8	0.1	1.0	0.2	0.9	0.1	0.9	0.1	1.0	0.1	1.2	0.1
105.	0.9	0.2	0.4	1.4	0.7	1.2	0.7	1.5	0.5	0.0	0.8	0.1	0.9	0.1	0.8	0.1	0.9	0.1	1.0	0.1
110.	0.8	0.1	0.4	1.5	0.3	1.4	0.3	1.6	0.2	0.0	0.6	0.1	0.8	0.0	0.8	0.0	0.8	0.0	0.9	0.0
115.	0.7	0.1	0.5	1.3	0.3	1.3	0.1	1.2	0.0	0.0	0.5	0.1	0.7	0.0	0.7	0.0	0.7	0.0	0.9	0.0
120.	0.6	0.0	0.6	1.2	0.2	1.2	0.1	1.2	0.0	0.0	0.5	0.1	0.6	0.0	0.7	0.0	0.8	0.0	0.8	0.0
125.	0.4	0.0	0.6	1.0	0.2	1.2	0.0	1.0	0.0	0.0	0.5	0.2	0.6	0.0	0.7	0.0	0.6	0.0	0.8	0.0
130.	0.2	0.2	0.4	0.9	0.2	0.9	0.0	1.1	0.0	0.0	0.5	0.2	0.6	0.0	0.6	0.0	0.5	0.0	0.8	0.0
135.	0.1	0.2	0.2	0.8	0.2	0.9	0.0	0.9	0.0	0.0	0.5	0.2	0.7	0.0	0.6	0.0	0.5	0.0	0.7	0.0
140.	0.0	0.3	0.1	0.7	0.2	0.9	0.0	0.9	0.0	0.0	0.5	0.2	0.6	0.0	0.5	0.0	0.5	0.0	0.6	0.0
145.	0.0	0.3	0.1	0.6	0.2	0.9	0.0	0.9	0.0	0.0	0.4	0.2	0.6	0.0	0.5	0.0	0.5	0.0	0.6	0.0
150.	0.0	0.3	0.0	0.5	0.2	0.9	0.0	0.7	0.0	0.0	0.3	0.2	0.6	0.0	0.5	0.0	0.5	0.0	0.6	0.0
155.	0.0	0.4	0.0	0.5	0.2	0.8	0.0	0.8	0.0	0.0	0.3	0.2	0.4	0.0	0.5	0.0	0.5	0.0	0.6	0.0
160.	0.0	0.5	0.0	0.6	0.1	0.8	0.0	0.8	0.0	0.0	0.4	0.2	0.4	0.0	0.5	0.0	0.5	0.0	0.6	0.0
165.	0.0	0.5	0.0	0.5	0.1	0.6	0.0	0.8	0.0	0.0	0.4	0.2	0.4	0.0	0.5	0.0	0.5	0.0	0.6	0.0
170.	0.0	0.4	0.0	0.5	0.1	0.6	0.0	0.7	0.0	0.0	0.4	0.3	0.4	0.0	0.5	0.0	0.4	0.0	0.6	0.0
175.	0.1	0.5	0.0	0.5	0.0	0.6	0.0	0.7	0.0	0.0	0.4	0.3	0.4	0.0	0.5	0.0	0.4	0.0	0.6	0.0
180.	0.2	0.5	0.0	0.6	0.0	0.6	0.0	0.7	0.0	0.0	0.4	0.2	0.4	0.0	0.5	0.0	0.4	0.0	0.6	0.0
185.	0.2	0.5	0.0	0.6	0.0	0.6	0.0	0.8	0.0	0.0	0.5	0.2	0.4	0.0	0.5	0.0	0.4	0.0	0.6	0.0
190.	0.5	0.4	0.0	0.6	0.0	0.5	0.0	0.8	0.0	0.0	0.5	0.1	0.3	0.0	0.5	0.0	0.5	0.0	0.6	0.0
195.	0.6	0.4	0.0	0.4	0.0	0.6	0.0	0.8	0.0	0.0	0.5	0.1	0.3	0.1	0.5	0.0	0.5	0.0	0.6	0.0
200.	0.6	0.4	0.0	0.4	0.0	0.6	0.0	0.8	0.0	0.0	0.4	0.1	0.4	0.2	0.5	0.0	0.5	0.0	0.6	0.0
205.	0.7	0.4	0.0	0.4	0.0	0.5	0.1	0.8	0.0	0.0	0.4	0.0	0.4	0.4	0.5	0.0	0.5	0.0	0.6	0.0
210.	1.0	0.4	0.2	0.6	0.0	0.5	0.1	0.8	0.0	0.0	0.4	0.0	0.6	0.4	0.5	0.0	0.5	0.0	0.6	0.0

JOB: 16,17,18,19,20 YONKERS AV PM BUILD BALLP RUN: ARTERIALS 20 MPH, SAWMILL R PKWY 65 MPH

WIND ANGLE RANGE: 5.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
215.	1.0	0.6	0.2	0.6	0.0	0.6	0.2	0.8	0.0	0.0	0.4	0.0	0.5	0.5	0.5	0.0	0.5	0.0	0.6	0.0
220.	1.0	0.6	0.2	0.6	0.0	0.5	0.2	0.8	0.0	0.0	0.6	0.0	0.5	0.5	0.6	0.0	0.5	0.0	0.6	0.0
225.	1.0	0.6	0.2	0.6	0.0	0.6	0.2	1.0	0.0	0.0	0.6	0.0	0.4	0.4	0.6	0.0	0.6	0.0	0.8	0.0
230.	0.9	0.6	0.2	0.6	0.0	0.5	0.3	1.0	0.0	0.0	0.6	0.0	0.4	0.2	0.7	0.0	0.6	0.0	0.8	0.0
235.	0.9	0.6	0.2	0.8	0.0	0.6	0.3	1.0	0.0	0.0	0.5	0.0	0.5	0.2	0.6	0.0	0.6	0.0	0.9	0.0
240.	0.9	0.6	0.2	0.8	0.0	0.7	0.3	1.1	0.0	0.0	0.6	0.0	0.7	0.2	0.6	0.0	0.7	0.0	0.8	0.0
245.	0.8	0.6	0.2	0.8	0.0	0.7	0.3	1.1	0.0	0.0	0.7	0.0	0.7	0.1	0.7	0.1	0.7	0.0	0.9	0.0
250.	0.7	0.6	0.2	0.8	0.0	0.9	0.2	1.3	0.0	0.0	0.7	0.0	0.7	0.1	0.9	0.1	0.7	0.1	0.9	0.1
255.	0.7	0.4	0.2	1.0	0.0	1.0	0.2	1.2	0.1	0.0	0.7	0.0	0.7	0.2	0.9	0.2	0.9	0.1	1.1	0.1
260.	0.7	0.6	0.2	1.3	0.0	1.3	0.2	1.2	0.2	0.0	0.6	0.3	0.6	0.3	0.7	0.2	0.8	0.2	1.0	0.2
265.	0.7	0.7	0.0	1.3	0.1	1.3	0.3	1.1	0.4	0.0	0.7	0.3	0.7	0.5	0.6	0.6	0.6	0.6	0.8	0.5
270.	0.6	0.7	0.2	1.4	0.4	1.3	0.6	0.8	0.7	0.1	0.7	0.8	0.5	0.8	0.3	0.7	0.3	0.8	0.6	0.7
275.	0.6	0.8	0.2	1.3	0.6	1.3	0.8	0.4	0.9	0.2	0.3	0.9	0.2	1.1	0.2	1.0	0.2	0.9	0.2	0.9
280.	0.7	0.9	0.2	0.9	0.9	0.9	1.0	0.2	1.1	0.2	0.1	1.1	0.1	1.0	0.1	0.9	0.0	0.7	0.1	0.9
285.	0.8	0.9	0.2	0.7	1.0	0.7	1.3	0.1	1.1	0.4	0.0	0.9	0.1	0.7	0.1	0.8	0.0	0.9	0.0	0.8
290.	1.1	1.2	0.2	0.4	1.3	0.3	1.3	0.0	1.1	0.4	0.0	0.7	0.1	0.6	0.1	0.6	0.0	0.7	0.0	0.7
295.	1.5	1.4	0.2	0.3	1.2	0.1	1.2	0.0	1.2	0.6	0.0	0.7	0.1	0.6	0.1	0.5	0.0	0.7	0.0	0.7
300.	1.6	1.4	0.4	0.3	1.2	0.1	1.1	0.0	1.0	0.6	0.0	0.6	0.1	0.6	0.1	0.5	0.0	0.6	0.0	0.6
305.	1.6	1.0	0.8	0.1	1.2	0.1	0.9	0.0	0.9	0.6	0.0	0.6	0.1	0.5	0.1	0.6	0.0	0.6	0.0	0.6
310.	1.7	1.0	1.0	0.1	0.9	0.1	0.8	0.0	0.9	0.6	0.0	0.6	0.1	0.5	0.0	0.6	0.0	0.6	0.0	0.6
315.	1.6	0.9	1.0	0.1	0.9	0.1	0.8	0.0	0.9	0.5	0.0	0.6	0.1	0.5	0.0	0.7	0.0	0.6	0.0	0.6
320.	1.8	0.8	1.1	0.1	0.9	0.1	0.7	0.0	0.9	0.4	0.0	0.5	0.2	0.5	0.0	0.7	0.0	0.6	0.0	0.6
325.	1.9	0.8	1.0	0.1	0.8	0.1	0.6	0.0	0.8	0.4	0.0	0.5	0.2	0.5	0.0	0.6	0.0	0.6	0.0	0.6
330.	2.0	0.8	1.0	0.1	0.8	0.1	0.6	0.0	0.8	0.5	0.0	0.5	0.2	0.4	0.0	0.5	0.0	0.5	0.0	0.5
335.	1.9	0.5	1.0	0.1	0.8	0.1	0.6	0.0	0.7	0.5	0.0	0.5	0.2	0.3	0.0	0.5	0.0	0.5	0.0	0.5
340.	2.0	0.6	1.2	0.1	0.7	0.1	0.5	0.0	0.7	0.5	0.0	0.5	0.2	0.4	0.0	0.4	0.0	0.5	0.0	0.5
345.	2.1	0.6	1.1	0.1	0.6	0.1	0.6	0.0	0.7	0.5	0.0	0.5	0.2	0.4	0.0	0.4	0.0	0.4	0.0	0.5
350.	2.1	0.7	1.2	0.1	0.6	0.1	0.6	0.0	0.7	0.5	0.0	0.4	0.2	0.4	0.0	0.4	0.0	0.4	0.0	0.5
355.	2.2	0.7	1.1	0.1	0.6	0.1	0.6	0.0	0.7	0.6	0.0	0.4	0.1	0.5	0.0	0.4	0.0	0.4	0.0	0.5
360.	2.1	0.6	1.1	0.1	0.5	0.1	0.5	0.0	0.8	0.5	0.0	0.4	0.1	0.4	0.0	0.4	0.0	0.4	0.0	0.5
MAX	2.2	1.4	1.2	1.5	1.6	1.4	1.6	1.6	1.5	1.0	1.0	1.1	1.2	1.3	1.1	1.1	1.0	1.1	1.3	1.2
DEGR.	5	300	5	110	90	110	90	110	85	85	100	280	95	80	90	75	100	75	95	75

JOB: 16,17,18,19,20 YONKERS AV PM BUILD BALLP RUN: ARTERIALS 20 MPH, SAWMILL R PKWY 65 MPH

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 5.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52
5.	0.0	0.4	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.0	0.2	0.5
10.	0.0	0.4	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.0	0.2	0.4
15.	0.0	0.5	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.2	0.2
20.	0.0	0.5	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.2	0.3
25.	0.0	0.5	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.3	0.3
30.	0.0	0.5	0.0	0.5	0.0	0.5	0.0	0.0	0.1	0.0	0.4	0.2
35.	0.0	0.5	0.0	0.5	0.0	0.5	0.0	0.0	0.1	0.0	0.4	0.2
40.	0.0	0.5	0.0	0.5	0.0	0.5	0.0	0.0	0.1	0.0	0.4	0.2
45.	0.0	0.7	0.0	0.5	0.0	0.6	0.0	0.0	0.0	0.0	0.4	0.2
50.	0.0	0.6	0.0	0.6	0.0	0.6	0.0	0.0	0.0	0.0	0.4	0.2
55.	0.0	0.7	0.0	0.6	0.0	0.6	0.0	0.0	0.0	0.0	0.5	0.4
60.	0.1	0.6	0.0	0.6	0.0	0.6	0.0	0.0	0.0	0.0	0.4	0.3
65.	0.1	0.7	0.0	0.7	0.0	0.6	0.0	0.0	0.0	0.0	0.3	0.3
70.	0.1	0.8	0.0	0.8	0.0	0.8	0.1	0.0	0.0	0.0	0.3	0.3
75.	0.2	0.9	0.1	1.0	0.1	1.0	0.1	0.0	0.0	0.0	0.3	0.3
80.	0.5	0.9	0.5	1.1	0.3	1.0	0.1	0.0	0.0	0.0	0.3	0.3
85.	0.7	0.9	0.6	0.9	0.7	1.0	0.2	0.2	0.0	0.0	0.1	0.1
90.	1.0	0.5	0.8	0.6	0.8	0.5	0.4	0.3	0.1	0.1	0.0	0.0
95.	0.9	0.3	1.0	0.2	0.9	0.2	0.6	0.4	0.2	0.3	0.0	0.0
100.	0.7	0.2	0.9	0.1	0.8	0.0	0.6	0.5	0.3	0.3	0.0	0.0
105.	0.7	0.1	0.6	0.1	0.8	0.0	0.5	0.4	0.4	0.4	0.0	0.0
110.	0.5	0.1	0.7	0.0	0.7	0.0	0.6	0.4	0.4	0.4	0.0	0.0
115.	0.5	0.1	0.6	0.0	0.7	0.0	0.6	0.4	0.3	0.3	0.0	0.0
120.	0.5	0.1	0.6	0.0	0.6	0.0	0.5	0.3	0.3	0.3	0.0	0.0
125.	0.5	0.1	0.6	0.0	0.6	0.0	0.5	0.3	0.2	0.3	0.0	0.0
130.	0.5	0.1	0.6	0.0	0.6	0.0	0.6	0.3	0.2	0.3	0.0	0.0
135.	0.7	0.1	0.6	0.0	0.6	0.0	0.6	0.3	0.2	0.2	0.0	0.0
140.	0.7	0.0	0.5	0.0	0.6	0.0	0.6	0.3	0.2	0.2	0.0	0.0
145.	0.6	0.0	0.5	0.0	0.5	0.0	0.6	0.3	0.2	0.2	0.0	0.0
150.	0.6	0.0	0.5	0.0	0.5	0.0	0.6	0.3	0.2	0.2	0.0	0.0
155.	0.5	0.0	0.5	0.0	0.5	0.0	0.5	0.3	0.2	0.2	0.0	0.0
160.	0.4	0.0	0.4	0.0	0.5	0.0	0.5	0.3	0.2	0.2	0.0	0.0
165.	0.4	0.0	0.4	0.0	0.4	0.0	0.6	0.3	0.2	0.2	0.1	0.0
170.	0.4	0.0	0.4	0.0	0.4	0.0	0.6	0.3	0.2	0.2	0.1	0.0
175.	0.4	0.0	0.4	0.0	0.4	0.0	0.6	0.2	0.2	0.2	0.1	0.0
180.	0.4	0.0	0.4	0.0	0.4	0.0	0.6	0.2	0.4	0.2	0.1	0.0
185.	0.4	0.0	0.4	0.0	0.4	0.0	0.7	0.2	0.4	0.2	0.1	0.0
190.	0.5	0.0	0.4	0.0	0.4	0.0	0.4	0.2	0.3	0.2	0.1	0.0
195.	0.5	0.0	0.5	0.0	0.5	0.0	0.5	0.2	0.1	0.2	0.1	0.0
200.	0.4	0.0	0.5	0.0	0.5	0.0	0.4	0.2	0.3	0.2	0.1	0.1
205.	0.4	0.0	0.5	0.0	0.5	0.0	0.3	0.2	0.3	0.2	0.1	0.2
210.	0.4	0.0	0.5	0.0	0.5	0.0	0.3	0.2	0.2	0.1	0.0	0.2

JOB: 16,17,18,19,20 YONKERS AV PM BUILD BALLP RUN: ARTERIALS 20 MPH, SAWMILL R PKWY 65 MPH

WIND ANGLE RANGE: 5.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52
215.	0.5	0.0	0.6	0.0	0.6	0.0	0.2	0.3	0.1	0.3	0.0	0.2
220.	0.6	0.0	0.6	0.0	0.6	0.0	0.2	0.3	0.1	0.3	0.0	0.2
225.	0.6	0.0	0.6	0.0	0.6	0.0	0.2	0.3	0.2	0.2	0.0	0.1
230.	0.6	0.0	0.6	0.0	0.6	0.0	0.2	0.4	0.2	0.2	0.0	0.0
235.	0.6	0.0	0.6	0.0	0.6	0.0	0.2	0.5	0.2	0.2	0.0	0.0
240.	0.6	0.0	0.7	0.0	0.6	0.0	0.2	0.4	0.2	0.2	0.0	0.0
245.	0.7	0.0	0.7	0.0	0.7	0.0	0.2	0.4	0.1	0.2	0.0	0.0
250.	0.7	0.0	0.7	0.0	0.7	0.0	0.3	0.5	0.0	0.1	0.0	0.0
255.	0.8	0.1	0.7	0.1	0.7	0.0	0.2	0.5	0.0	0.0	0.0	0.0
260.	0.7	0.2	0.7	0.2	0.8	0.2	0.2	0.4	0.0	0.1	0.0	0.0
265.	0.8	0.3	0.8	0.3	0.6	0.2	0.2	0.4	0.0	0.0	0.0	0.0
270.	0.6	0.7	0.6	0.7	0.5	0.5	0.0	0.1	0.0	0.0	0.1	0.0
275.	0.4	0.9	0.4	0.9	0.4	0.8	0.0	0.1	0.0	0.0	0.1	0.1
280.	0.2	1.0	0.3	0.9	0.3	0.9	0.0	0.1	0.0	0.0	0.1	0.1
285.	0.0	1.1	0.1	1.0	0.2	0.8	0.0	0.1	0.0	0.0	0.3	0.3
290.	0.0	0.8	0.0	0.9	0.0	0.8	0.0	0.1	0.0	0.0	0.3	0.3
295.	0.0	0.7	0.0	0.6	0.0	0.7	0.0	0.1	0.0	0.0	0.4	0.4
300.	0.0	0.6	0.0	0.6	0.0	0.6	0.0	0.0	0.0	0.0	0.2	0.2
305.	0.0	0.6	0.0	0.6	0.0	0.6	0.0	0.0	0.0	0.0	0.2	0.2
310.	0.0	0.6	0.0	0.6	0.0	0.6	0.0	0.0	0.0	0.0	0.2	0.2
315.	0.0	0.6	0.0	0.6	0.0	0.6	0.0	0.0	0.0	0.0	0.2	0.2
320.	0.0	0.5	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.2	0.2
325.	0.0	0.5	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.2	0.2
330.	0.0	0.6	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.2	0.1
335.	0.0	0.5	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.2	0.2
340.	0.0	0.5	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.1	0.2
345.	0.0	0.5	0.0	0.5	0.0	0.4	0.0	0.0	0.0	0.0	0.2	0.2
350.	0.0	0.4	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.0	0.2	0.3
355.	0.0	0.5	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.0	0.2	0.3
360.	0.0	0.5	0.0	0.5	0.0	0.4	0.0	0.0	0.0	0.0	0.2	0.4
MAX	1.0	1.1	1.0	1.1	0.9	1.0	0.7	0.5	0.4	0.4	0.5	0.5
DEGR.	90	285	95	80	95	85	185	255	105	105	55	5

THE HIGHEST CONCENTRATION OF 2.40 PPM OCCURRED AT RECEPTOR REC1 .

JOB: 16,17,18,19,20 YONKERS AV PM BUILD BALLP RUN: ARTERIALS 20 MPH, SAWMILL R PKWY 65 MPH

DATE : 12/10/ 0
TIME : 11:01:00

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

CO/LINK (PPM)
ANGLE (DEGREES)

LINK #	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
	110	85	115	85	275	45	115	90	110	85	70	70	85	50	115	285	340	295	320	280
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.2	0.0	0.0	0.1	0.0	0.1	0.4	0.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
5	0.1	0.4	0.0	0.6	0.2	0.0	0.2	0.2	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
6	0.1	0.0	0.2	0.1	0.1	0.3	0.1	0.0	0.1	0.0	0.1	0.1	0.3	0.1	0.0	0.2	0.0	0.1	0.0	0.2
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.1	0.2	0.1
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.3	0.2	0.4
18	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.2
19	0.1	0.1	0.2	0.2	0.6	0.2	0.1	0.1	0.1	0.0	0.1	0.2	0.1	0.2	0.1	0.1	0.0	0.1	0.0	0.1
20	0.4	0.2	0.3	0.1	0.2	0.0	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.2	0.0	0.0	0.0	0.1	0.0	0.5	0.1	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

JOB: 16,17,18,19,20 YONKERS AV PM BUILD BALLP RUN: ARTERIALS 20 MPH, SAWMILL R PKWY 65 MPH

CO/LINK (PPM)
ANGLE (DEGREES)

LINK #	REC1 110	REC2 85	REC3 115	REC4 85	REC5 275	REC6 45	REC7 115	REC8 90	REC9 110	REC10 85	REC11 70	REC12 70	REC13 85	REC14 50	REC15 115	REC16 285	REC17 340	REC18 295	REC19 320	REC20 280
46	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.2
47	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
49	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	0.4	0.2	0.3	0.2	0.6	0.1	0.4	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.3	0.2	0.3	0.2	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
58	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
60	0.1	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1
61	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.5	0.1	0.4	0.1	0.4
62	0.0	0.1	0.0	0.1	0.0	0.6	0.0	0.1	0.0	0.1	0.2	0.2	0.1	0.4	0.1	0.0	0.1	0.0	0.1	0.0
63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.0
65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

JOB: 16,17,18,19,20 YONKERS AV PM BUILD BALLP RUN: ARTERIALS 20 MPH, SAWMILL R PKWY 65 MPH

DATE : 12/10/ 0
TIME : 11:01:00

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

LINK #	*	CO/LINK (PPM) ANGLE (DEGREES) REC21 5	REC22 300	REC23 5	REC24 110	REC25 90	REC26 110	REC27 90	REC28 110	REC29 85	REC30 85	REC31 100	REC32 280	REC33 95	REC34 80	REC35 90	REC36 75	REC37 100	REC38 75	REC39 95	REC40 75
1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.6	0.2	0.5	0.2	0.5	0.2	0.5
2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	*	0.0	0.0	0.0	0.2	0.5	0.1	0.5	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	*	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	*	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	*	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	*	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	*	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	*	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	*	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	*	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	*	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	*	0.0	0.0	0.0	0.4	0.1	0.4	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.2	0.2	0.3	0.2	0.3	0.3	0.7	0.3
27	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

JOB: 16,17,18,19,20 YONKERS AV PM BUILD BALLP RUN: ARTERIALS 20 MPH, SAWMILL R PKWY 65 MPH

CO/LINK (PPM)
ANGLE (DEGREES)

LINK #	REC21 5	REC22 300	REC23 5	REC24 110	REC25 90	REC26 110	REC27 90	REC28 110	REC29 85	REC30 85	REC31 100	REC32 280	REC33 95	REC34 80	REC35 90	REC36 75	REC37 100	REC38 75	REC39 95	REC40 75
46	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	0.1	0.1	0.0	0.3	0.2	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.1	0.2	0.1	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	0.2	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.4	0.1	0.2	0.1	0.2	0.0	0.0	0.0
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.2	0.1	0.1	0.2	0.0	0.3	0.2	0.3	0.2	0.2	0.2	0.3	0.2
87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

JOB: 16,17,18,19,20 YONKERS AV PM BUILD BALLP RUN: ARTERIALS 20 MPH, SAWMILL R PKWY 65 MPH

DATE : 12/10/ 0
TIME : 11:01:00

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

CO/LINK (PPM)
ANGLE (DEGREES)

LINK #	REC41 90	REC42 285	REC43 95	REC44 80	REC45 95	REC46 85	REC47 185	REC48 255	REC49 105	REC50 105	REC51 55	REC52 5
1	0.2	0.0	0.2	0.2	0.1	0.2	0.1	0.0	0.1	0.1	0.1	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

JOB: 16,17,18,19,20 YONKERS AV PM BUILD BALLP RUN: ARTERIALS 20 MPH, SAWMILL R PKWY 65 MPH

LINK #	CO/LINK (PPM) ANGLE (DEGREES) REC41 90	REC42 285	REC43 95	REC44 80	REC45 95	REC46 85	REC47 185	REC48 255	REC49 105	REC50 105	REC51 55	REC52 5
46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69	0.0	0.4	0.0	0.2	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0
70	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72	0.0	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1
73	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74	0.2	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0
75	0.2	0.2	0.4	0.1	0.4	0.1	0.0	0.1	0.0	0.0	0.0	0.1
76	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
81	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84	0.0	0.2	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86	0.2	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.0
87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2
88	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.0	0.0

INTERSECTION MODELING - PM10/PM2.5

```
'#1 NEPPERHAM & ELM PM BUILD W/BALLPARK'  60.0  108.0  0.0  0.0  17  1  0  0  'MGM'
'NW CORNER'  201153.9  233422.8  1.8
'SW CORNER'  201144.4  233409.1  1.8
'NE CORNER'  201190.1  233412.3  1.8
'SE CORNER'  201184.2  233395.8  1.8
'ELM ST NW'  201106.2  233433.1  1.8
'ELM ST SW'  201103.3  233419.4  1.8
'ELM ST NE'  201228.6  233393.8  1.8
'ELM ST SE'  201222.6  233378.1  1.8
'NEPPERHAN SE'  201176.0  233387.1  1.8
'NEPPERHAN SW'  201135.2  233397.3  1.8
'NEPPERHAN SE'  201166.0  233375.4  1.8
'NEPPERHAN SE'  201149.6  233357.4  1.8
'NEPPERHAN SW'  201118.0  233380.0  1.8
'NEPPERHAN NW'  201168.5  233450.8  1.8
'NEPPERHAN NE'  201206.7  233434.5  1.8
'NEPPERHAN NW'  201178.2  233470.7  1.8
'NEPPERHAN NE'  201215.6  233455.5  1.8
'PM10 EF: 0.0253 G/MI, 0.0221 G/HR'  22  1  1  'P'
1  1
'ELM ST EB DEPART'  'AG'  201168.9  233408.9  201296.1  233350.0  383  0.0253  0.0  13.32
1  1
'ELM ST EB DEPART'  'AG'  201295.9  233350.0  201454.5  233288.5  383  0.0253  0.0  9.66
1  1
'ELM ST WB APP'  'AG'  201171.8  233414.2  201298.5  233355.5  240  0.0253  0.0  10.57
1  1
'ELM ST WB APP'  'AG'  201298.5  233355.5  201456.4  233293.9  240  0.0253  0.0  9.66
1  1
'ELM ST WB DEPART'  'AG'  201170.4  233412.2  200946.8  233461.1  903  0.0253  0.0  13.32
1  2
'NEPPERHAN NB APPR'  'AG'  201137.9  233358.7  201087.4  233315.7  2674  0.0253  0.0  16.97
1
'NEPPERHAN NB APPR'  'AG'  201087.4  233315.7  200963.7  233236.8  2674  0.0253  0.0  16.97
1  1
'NEPPERHAN NB LEFT'  'AG'  201171.9  233407.3  201133.6  233361.6  138  0.0253  0.0  9.66
1  1
'NEPPERHAN NB TR'  'AG'  201183.6  233408.6  201137.9  233358.7  2536  0.0253  0.0  16.97
1  1
'NEPPERHAN NB DEPART'  'AG'  201181.6  233409.5  201258.7  233585.1  2427  0.0253  0.0  16.97
1  1
'NEPPERHAN SB APP'  'AG'  201191.0  233467.6  201238.9  233592.9  2853  0.0253  0.0  16.97
1  1
'NEPPERHAN SB LEFT'  'AG'  201168.9  233408.9  201197.3  233463.8  180  0.0253  0.0  9.66
1  1
'NEPPERHAN SB THRU'  'AG'  201163.3  233413.4  201191.1  233467.7  1923  0.0253  0.0  16.97
1  1
'NEPPERHAN SB RIGHT'  'AG'  201156.1  233415.4  201184.3  233470.7  750  0.0253  0.0  9.66
1  1
'NEPPERHAN SB DEPART'  'AG'  201163.3  233413.4  201106.3  233355.4  2054  0.0253  0.0  16.97
1  1
'NEPPERHAN SB DEPART'  'AG'  201106.3  233355.4  200953.2  233250.4  2054  0.0253  0.0  16.97
2  1
'ELM ST WB QUEUE'  'AG'  201192.3  233404.6  201225.6  233389.2  0.0  4.57  1
90  71  2  240  0.0221  1805  1  3
2  1
'NEPPERHAN NB L Q'  'AG'  201164.7  233398.6  201133.6  233361.6  0.0  3.66  1
90  25  2  138  0.0221  1718  1  3
2  1
'NEPPERHAN NB TR Q'  'AG'  201170.7  233394.4  201137.9  233358.7  0.0  10.97  3
90  38  2  2536  0.0221  1620  1  3
2  1
'NEPPERHAN SB L Q'  'AG'  201175.4  233421.4  201197.3  233463.8  0.0  3.66  1
90  25  2  180  0.0221  1719  1  3
2  1
'NEPPERHAN SB THRU Q'  'AG'  201168.9  233424.1  201191.1  233467.7  0.0  10.97  3
90  38  2  1923  0.0221  1643  1  3
2  1
'NEPPERHAN SB R Q'  'AG'  201162.1  233427.0  201184.3  233470.7  0.0  3.66  1
90  38  2  750  0.0221  1503  1  3
1.0  0  5  1000.0  0.0  'Y'  5  1  72
** BREEZE
** PROJECTN  0 104 7 -177 0 0.9996 500000 0
** DXF2  P:\03113\003\N\014\AIR\MODELING\CAL3QHC\ACAD-YONKERS2004(STC)-INT1_FT_R12.DXF 0.3048 0 0 0 0 0
** OUTFILE  P:\03113\003\N\014\Air\Modeling\CAL3QHC\1PMBDP25.lst
** RAWFILE
** PLOT
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'#1 NEPPERHAM & ELM PM NOBUILD'  60.0  108.0  0.0  0.0  17  1  0  0  'MGM'
'NW CORNER'  201153.9  233422.8  1.8
'SW CORNER'  201144.4  233409.1  1.8
'NE CORNER'  201190.1  233412.3  1.8
'SE CORNER'  201184.2  233395.8  1.8
'ELM ST NW'  201106.2  233433.1  1.8
'ELM ST SW'  201103.3  233419.4  1.8
'ELM ST NE'  201228.6  233393.8  1.8
'ELM ST SE'  201222.6  233378.1  1.8
'NEPPERHAN SE'  201176.0  233387.1  1.8
'NEPPERHAN SW'  201135.2  233397.3  1.8
'NEPPERHAN SE'  201166.0  233375.4  1.8
'NEPPERHAN SE'  201149.6  233357.4  1.8
'NEPPERHAN SW'  201118.0  233380.0  1.8
'NEPPERHAN NW'  201168.5  233450.8  1.8
'NEPPERHAN NE'  201206.7  233434.5  1.8
'NEPPERHAN NW'  201178.2  233470.7  1.8
'NEPPERHAN NE'  201215.6  233455.5  1.8
'PM10 EF: 0.0253 G/MI, 0.0221 G/HR'  19  1  1  'P'
1  1
'ELM ST EB DEPART'  'AG'  201168.9  233408.9  201296.1  233350.0  383  0.0253  0.0  9.66
1  1
'ELM ST EB DEPART'  'AG'  201295.9  233350.0  201454.5  233288.5  383  0.0253  0.0  9.66
1  1
'ELM ST WB APP'  'AG'  201171.8  233414.2  201298.5  233355.5  240  0.0253  0.0  10.57
1  1
'ELM ST WB APP'  'AG'  201298.5  233355.5  201456.4  233293.9  240  0.0253  0.0  9.66
1  1
'ELM ST EB APP'  'AG'  201170.4  233412.2  200946.8  233461.1  402  0.0253  0.0  13.32
1  2
'NEPPERHAN NB APPR'  'AG'  201137.9  233358.7  201087.4  233315.7  1587  0.0253  0.0  16.97
1
'NEPPERHAN NB APPR'  'AG'  201087.4  233315.7  200963.7  233236.8  1587  0.0253  0.0  16.97
1  1
'NEPPERHAN NB TR'  'AG'  201183.6  233408.6  201137.9  233358.7  1587  0.0253  0.0  16.97
1  1
'NEPPERHAN NB DEPART'  'AG'  201181.6  233409.5  201258.7  233585.1  1853  0.0253  0.0  16.97
1  1
'NEPPERHAN SB APP'  'AG'  201191.0  233467.6  201238.9  233592.9  1873  0.0253  0.0  16.97
1  1
'NEPPERHAN SB LEFT'  'AG'  201168.9  233408.9  201197.3  233463.8  180  0.0253  0.0  9.66
1  1
'NEPPERHAN SB THRU'  'AG'  201163.3  233413.4  201191.1  233467.7  1693  0.0253  0.0  16.97
1  1
'NEPPERHAN SB DEPART'  'AG'  201163.3  233413.4  201106.3  233355.4  1866  0.0253  0.0  16.97
1  1
'NEPPERHAN SB DEPART'  'AG'  201106.3  233355.4  200953.2  233250.4  1866  0.0253  0.0  16.97
2  1
'ELM ST WB QUEUE'  'AG'  201192.3  233404.6  201225.6  233389.2  0.0  4.57  1
90  62  2  240  0.0221  1143  1  3
2  1
'NEPPERHAN NB TR Q'  'AG'  201170.7  233394.4  201137.9  233358.7  0.0  10.97  3
90  47  2  1587  0.0221  1465  1  3
2  1
'NEPPERHAN SB L Q'  'AG'  201175.4  233421.4  201197.3  233463.8  0.0  3.66  1
90  34  2  180  0.0221  1545  1  3
2  1
'NEPPERHAN SB THRU Q'  'AG'  201168.9  233424.1  201191.1  233467.7  0.0  10.97  3
90  34  2  1693  0.0221  1479  1  3
2  1
'ELM ST EB Q'  'AG'  201143.0  233417.8  201077.1  233432.2  0.0  4.57  1
90  62  2  402  0.0221  1689  1  3
1.0  0  5  1000.0  0.0  'Y'  5  1  72
** BREEZE
** PROJECTN  0 104 7 -177 0 0.9996 500000 0
** DXF2  P:\03113\003\N\014\AIR\MODELING\CAL3QHC\ACAD-YONKERS2004(STC)-INT1_FT_R12.DXF 0.3048 0 0 0 0 0
** OUTFILE  P:\03113\003\N\014\Air\Modeling\CAL3QHC\1PMNBP10.lst
** RAWFILE
** PLOT
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'#1 NEPPERHAM & ELM PM BUILD W/BALLPARK'  60.0  108.0  0.0  0.0  17  1  0  0  'MGM'
'NW CORNER'  201153.9  233422.8  1.8
'SW CORNER'  201144.4  233409.1  1.8
'NE CORNER'  201190.1  233412.3  1.8
'SE CORNER'  201184.2  233395.8  1.8
'ELM ST NW'  201106.2  233433.1  1.8
'ELM ST SW'  201103.3  233419.4  1.8
'ELM ST NE'  201228.6  233393.8  1.8
'ELM ST SE'  201222.6  233378.1  1.8
'NEPPERHAN SE'  201176.0  233387.1  1.8
'NEPPERHAN SW'  201135.2  233397.3  1.8
'NEPPERHAN SE'  201166.0  233375.4  1.8
'NEPPERHAN SE'  201149.6  233357.4  1.8
'NEPPERHAN SW'  201118.0  233380.0  1.8
'NEPPERHAN NW'  201168.5  233450.8  1.8
'NEPPERHAN NE'  201206.7  233434.5  1.8
'NEPPERHAN NW'  201178.2  233470.7  1.8
'NEPPERHAN NE'  201215.6  233455.5  1.8
'PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR'  22  1  1  'P'
1  1
'ELM ST EB DEPART'  'AG'  201168.9  233408.9  201296.1  233350.0  383  0.0142  0.0  13.32
1  1
'ELM ST EB DEPART'  'AG'  201295.9  233350.0  201454.5  233288.5  383  0.0142  0.0  9.66
1  1
'ELM ST WB APP'  'AG'  201171.8  233414.2  201298.5  233355.5  240  0.0142  0.0  10.57
1  1
'ELM ST WB APP'  'AG'  201298.5  233355.5  201456.4  233293.9  240  0.0142  0.0  9.66
1  1
'ELM ST WB DEPART'  'AG'  201170.4  233412.2  200946.8  233461.1  903  0.0142  0.0  13.32
1  2
'NEPPERHAN NB APPR'  'AG'  201137.9  233358.7  201087.4  233315.7  2674  0.0142  0.0  16.97
1
'NEPPERHAN NB APPR'  'AG'  201087.4  233315.7  200963.7  233236.8  2674  0.0142  0.0  16.97
1  1
'NEPPERHAN NB LEFT'  'AG'  201171.9  233407.3  201133.6  233361.6  138  0.0142  0.0  9.66
1  1
'NEPPERHAN NB TR'  'AG'  201183.6  233408.6  201137.9  233358.7  2536  0.0142  0.0  16.97
1  1
'NEPPERHAN NB DEPART'  'AG'  201181.6  233409.5  201258.7  233585.1  2427  0.0142  0.0  16.97
1  1
'NEPPERHAN SB APP'  'AG'  201191.0  233467.6  201238.9  233592.9  2853  0.0142  0.0  16.97
1  1
'NEPPERHAN SB LEFT'  'AG'  201168.9  233408.9  201197.3  233463.8  180  0.0142  0.0  9.66
1  1
'NEPPERHAN SB THRU'  'AG'  201163.3  233413.4  201191.1  233467.7  1923  0.0142  0.0  16.97
1  1
'NEPPERHAN SB RIGHT'  'AG'  201156.1  233415.4  201184.3  233470.7  750  0.0142  0.0  9.66
1  1
'NEPPERHAN SB DEPART'  'AG'  201163.3  233413.4  201106.3  233355.4  2054  0.0142  0.0  16.97
1  1
'NEPPERHAN SB DEPART'  'AG'  201106.3  233355.4  200953.2  233250.4  2054  0.0142  0.0  16.97
2  1
'ELM ST WB QUEUE'  'AG'  201192.3  233404.6  201225.6  233389.2  0.0  4.57  1
90  71  2  240  0.0202  1805  1  3
2  1
'NEPPERHAN NB L Q'  'AG'  201164.7  233398.6  201133.6  233361.6  0.0  3.66  1
90  25  2  138  0.0202  1718  1  3
2  1
'NEPPERHAN NB TR Q'  'AG'  201170.7  233394.4  201137.9  233358.7  0.0  10.97  3
90  38  2  2536  0.0202  1620  1  3
2  1
'NEPPERHAN SB L Q'  'AG'  201175.4  233421.4  201197.3  233463.8  0.0  3.66  1
90  25  2  180  0.0202  1719  1  3
2  1
'NEPPERHAN SB THRU Q'  'AG'  201168.9  233424.1  201191.1  233467.7  0.0  10.97  3
90  38  2  1923  0.0202  1643  1  3
2  1
'NEPPERHAN SB R Q'  'AG'  201162.1  233427.0  201184.3  233470.7  0.0  3.66  1
90  38  2  750  0.0202  1503  1  3
1.0  0  5  1000.0  0.0  'Y'  5  1  72
** BREEZE
** PROJECTN  0 104 7 -177 0 0.9996 500000 0
** DXF2  P:\03113\003\N\014\AIR\MODELING\CAL3QHC\ACAD-YONKERS2004(STC)-INT1_FT_R12.DXF 0.3048 0 0 0 0 0
** OUTFILE  P:\03113\003\N\014\Air\Modeling\CAL3QHC\1PMBDP25.lst
** RAWFILE
** PLOT
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'#1 NEPPERHAM & ELM PM NOBUILD'  60.0  108.0  0.0  0.0  17  1  0  0  'MGM'
'NW CORNER'  201153.9  233422.8  1.8
'SW CORNER'  201144.4  233409.1  1.8
'NE CORNER'  201190.1  233412.3  1.8
'SE CORNER'  201184.2  233395.8  1.8
'ELM ST NW'  201106.2  233433.1  1.8
'ELM ST SW'  201103.3  233419.4  1.8
'ELM ST NE'  201228.6  233393.8  1.8
'ELM ST SE'  201222.6  233378.1  1.8
'NEPPERHAN SE'  201176.0  233387.1  1.8
'NEPPERHAN SW'  201135.2  233397.3  1.8
'NEPPERHAN SE'  201166.0  233375.4  1.8
'NEPPERHAN SE'  201149.6  233357.4  1.8
'NEPPERHAN SW'  201118.0  233380.0  1.8
'NEPPERHAN NW'  201168.5  233450.8  1.8
'NEPPERHAN NE'  201206.7  233434.5  1.8
'NEPPERHAN NW'  201178.2  233470.7  1.8
'NEPPERHAN NE'  201215.6  233455.5  1.8
'PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR'  19  1  1  'P'
1  1
'ELM ST EB DEPART'  'AG'  201168.9  233408.9  201296.1  233350.0  383  0.0142  0.0  9.66
1  1
'ELM ST EB DEPART'  'AG'  201295.9  233350.0  201454.5  233288.5  383  0.0142  0.0  9.66
1  1
'ELM ST WB APP'  'AG'  201171.8  233414.2  201298.5  233355.5  240  0.0142  0.0  10.57
1  1
'ELM ST WB APP'  'AG'  201298.5  233355.5  201456.4  233293.9  240  0.0142  0.0  9.66
1  1
'ELM ST EB APP'  'AG'  201170.4  233412.2  200946.8  233461.1  402  0.0142  0.0  13.32
1  2
'NEPPERHAN NB APPR'  'AG'  201137.9  233358.7  201087.4  233315.7  1587  0.0142  0.0  16.97
1
'NEPPERHAN NB APPR'  'AG'  201087.4  233315.7  200963.7  233236.8  1587  0.0142  0.0  16.97
1  1
'NEPPERHAN NB TR'  'AG'  201183.6  233408.6  201137.9  233358.7  1587  0.0142  0.0  16.97
1  1
'NEPPERHAN NB DEPART'  'AG'  201181.6  233409.5  201258.7  233585.1  1853  0.0142  0.0  16.97
1  1
'NEPPERHAN SB APP'  'AG'  201191.0  233467.6  201238.9  233592.9  1873  0.0142  0.0  16.97
1  1
'NEPPERHAN SB LEFT'  'AG'  201168.9  233408.9  201197.3  233463.8  180  0.0142  0.0  9.66
1  1
'NEPPERHAN SB THRU'  'AG'  201163.3  233413.4  201191.1  233467.7  1693  0.0142  0.0  16.97
1  1
'NEPPERHAN SB DEPART'  'AG'  201163.3  233413.4  201106.3  233355.4  1866  0.0142  0.0  16.97
1  1
'NEPPERHAN SB DEPART'  'AG'  201106.3  233355.4  200953.2  233250.4  1866  0.0142  0.0  16.97
2  1
'ELM ST WB QUEUE'  'AG'  201192.3  233404.6  201225.6  233389.2  0.0  4.57  1
90  62  2  240  0.0202  1143  1  3
2  1
'NEPPERHAN NB TR Q'  'AG'  201170.7  233394.4  201137.9  233358.7  0.0  10.97  3
90  47  2  1587  0.0202  1465  1  3
2  1
'NEPPERHAN SB L Q'  'AG'  201175.4  233421.4  201197.3  233463.8  0.0  3.66  1
90  34  2  180  0.0202  1545  1  3
2  1
'NEPPERHAN SB THRU Q'  'AG'  201168.9  233424.1  201191.1  233467.7  0.0  10.97  3
90  34  2  1693  0.0202  1479  1  3
2  1
'ELM ST EB Q'  'AG'  201143.0  233417.8  201077.1  233432.2  0.0  4.57  1
90  62  2  402  0.0202  1689  1  3
1.0  0  5  1000.0  0.0  'Y'  5  1  72
** BREEZE
** PROJECTN  0 104 7 -177 0 0.9996 500000 0
** DXF2  P:\03113\003\N\014\AIR\MODELING\CAL3QHC\ACAD-YONKERS2004(STC)-INT1_FT_R12.DXF 0.3048 0 0 0 0 0
** OUTFILE  P:\03113\003\N\014\Air\Modeling\CAL3QHC\1PMNBP25.lst
** RAWFILE
** PLOT
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'17,18,19,20 YONKERS AV PM BUILD BALLPARK'  60.0  108.0  0.0  0.0  15  1  0  0  'MGM'
'18 NW CORNER'  202128.6  233537.7  1.8
'18 SW CORNER'  202125.4  233513.1  1.8
'18 NE CORNER'  202159.8  233533.8  1.8
'18 SE CORNER'  202152.9  233507.3  1.8
'19 NW CORNER'  202242.8  233509.7  1.8
'19 SW CORNER'  202232.4  233482.9  1.8
'18 NW'  202099.9  233544.5  1.8
'18 SW'  202096.0  233519.1  1.8
'18 NW'  202070.2  233551.7  1.8
'18 SW'  202064.8  233526.1  1.8
'18 FRONT OF BLDG'  202136.7  233490.0  1.8
'18 FRONT OF BLDG'  202157.9  233483.1  1.8
'18 FRONT OF BLDG'  202190.5  233491.2  1.8
'18 FRONT OF BLDG'  202202.1  233473.1  1.8
'ASHBURTON NW'  202121.9  233575.7  1.8
'PM10 EF: 0.0253 G/MI, 0.0221 G/HR'  66  1  1  'P'
1  1
'YONKERS@17 EB APPR'  'AG'  201955.2  233556.0  201705.9  233541.2  1902  0.0253  0.0  13.32
1  1
'YONKERS@17 EB LEFT'  'AG'  202026.6  233547.1  201962.1  233560.3  7  0.0253  0.0  9.66
1  1
'YONKERS@17 EB TR'  'AG'  202020.1  233542.7  201955.2  233556.0  1895  0.0253  0.0  13.32
1  1
'YONKERS 17 TO 18 EB'  'AG'  202141.4  233517.0  202020.1  233542.7  2101  0.0253  0.0  13.32
1  1
'YONKERS@18 EB DEPART'  'AG'  202194.8  233505.8  202141.4  233517.0  2899  0.0253  0.0  13.32
1  1
'YONKERS@19 EB THRU'  'AG'  202279.3  233477.5  202194.8  233505.8  2216  0.0253  0.0  13.32
1  1
'YONKERS@19 EB RIGHT'  'AG'  202235.6  233487.5  202193.5  233501.5  683  0.0253  0.0  9.66
1  1
'YONKERS@20 EB LEFT'  'AG'  202347.7  233439.8  202280.6  233481.5  623  0.0253  0.0  9.66
1  1
'YONKERS@20 EB THRU'  'AG'  202338.3  233439.4  202278.8  233476.2  1593  0.0253  0.0  13.32
1  1
'YONKERS@20 EB DEPART'  'AG'  202459.2  233329.0  202338.3  233439.4  1627  0.0253  0.0  13.32
1  1
'YONKERS@20 WB APPR'  'AG'  202386.3  233411.3  202462.7  233333.1  1363  0.0253  0.0  13.32
1  1
'YONKERS@20 WB THRU'  'AG'  202343.0  233451.3  202386.3  233411.3  1139  0.0253  0.0  13.32
1  1
'YONKERS@20 WB RIGHT'  'AG'  202364.3  233439.1  202390.0  233415.2  224  0.0253  0.0  9.66
1  1
'YONKERS@20 WB RIGHT'  'AG'  202361.8  233459.5  202364.3  233439.1  224  0.0253  0.0  9.66
1  1
'YONKERS@20 WB DEPART'  'AG'  202290.5  233481.4  202343.0  233451.3  2528  0.0253  0.0  13.32
1  1
'YONKERS@19 WB APPR'  'AG'  202250.1  233499.4  202290.5  233481.4  2528  0.0253  0.0  13.32
1  1
'YONKERS@19 WB DEPART'  'AG'  202198.6  233514.7  202250.1  233499.4  3301  0.0253  0.0  13.32
1  1
'YONKERS@18 WB THRU'  'AG'  202139.1  233527.8  202198.6  233514.7  2492  0.0253  0.0  13.32
1  1
'YONKERS@18 WB RIGHT'  'AG'  202157.8  233528.7  202199.6  233520.0  809  0.0253  0.0  9.66
1  1
'YONKERS@18 WB DEPART'  'AG'  202068.8  233544.8  202139.1  233527.8  2646  0.0253  0.0  13.32
1  1
'YONKERS@17 WB LEFT'  'AG'  202022.0  233549.1  202067.5  233539.5  223  0.0253  0.0  9.66
1  1
'YONKERS@17 WB TR'  'AG'  202023.8  233554.6  202068.8  233544.9  2423  0.0253  0.0  13.32
1  1
'YONKERS@17 WB DEPART'  'AG'  201959.7  233566.9  202023.7  233553.8  2396  0.0253  0.0  13.32
1  1
'YONKERS@17 WB DEPART'  'AG'  201705.8  233551.9  201959.5  233566.9  2396  0.0253  0.0  13.32
1  1
'PRESCOTT NB APPR'  'AG'  202023.6  233542.0  202011.9  233504.5  120  0.0253  0.0  9.66
1  1
'PRESCOTT NB DEPART'  'AG'  202031.8  233587.1  202027.4  233553.6  50  0.0253  0.0  9.66
1  1
'PRESCOTT SB DEPART'  'AG'  202008.5  233505.5  202020.0  233542.7  241  0.0253  0.0  9.66
1  1
'ASHBURTON NB DEPART'  'AG'  202142.4  233542.2  202157.8  233528.7  809  0.0253  0.0  9.66
1  1
'ASHBURTON NB DEPART'  'AG'  202106.0  233719.3  202142.4  233542.2  809  0.0253  0.0  9.66
1  1
'ASHBURTON NB DEPART'  'AG'  202127.9  233820.1  202106.0  233719.3  809  0.0253  0.0  9.66
1  1
'ASHBURTON SB APPR'  'AG'  202141.3  233517.1  202100.2  233718.0  827  0.0253  0.0  13.32
1  1
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'ASHBURTON SB APPR'  'AG'  202100.2  233718.0  202122.1  233821.0  827  0.0253  0.0  9.66
1  1
'SMRP SB RAMP SB APPR'  'AG'  202273.2  233521.3  202338.9  233661.0  773  0.0253  0.0  13.32
1  1
'SMRP SB RAMP SB R'  'AG'  202254.6  233504.7  202273.1  233521.3  773  0.0253  0.0  13.32
1  1
'SMRP SB RAMP SB DEP'  'AG'  202258.4  233451.3  202235.6  233487.5  683  0.0253  0.0  9.66
1  1
'SMRP SB RAMP SB DEP'  'AG'  202258.7  233386.1  202258.4  233451.3  683  0.0253  0.0  9.66
1  1
'SMRP SB RAMP SB DEP'  'AG'  202224.8  233190.8  202258.7  233386.1  683  0.0253  0.0  9.66
1  1
'SMRP NB RAMP NB DEP'  'AG'  202386.6  233494.5  202347.7  233439.8  847  0.0253  0.0  9.66
1  1
'SMRP NB RAMP NB DEP'  'AG'  202405.7  233555.3  202386.6  233494.5  847  0.0253  0.0  9.66
1  1
'SMRP NB RAMP SB APPR'  'AG'  202367.6  233484.1  202398.9  233557.5  1423  0.0253  0.0  9.66
1  1
'SMRP NB RAMP SB LEFT'  'AG'  202338.2  233439.6  202370.6  233482.4  34  0.0253  0.0  9.66
1  1
'SMRP NB RAMP SB R'  'AG'  202343.0  233451.4  202367.3  233484.3  1389  0.0253  0.0  9.66
1  1
'SMRP NB 0.0311 G/MI'  'DP'  202273.2  233397.8  202294.8  233258.7  2562  0.0311  -6.0  13.32
1  1
'SMRP NB 0.0311 G/MI'  'DP'  202317.8  233567.8  202273.2  233397.8  2562  0.0311  -6.0  13.32
1  1
'SMRP NB 0.0311 G/MI'  'DP'  202372.6  233692.0  202317.8  233567.8  2562  0.0311  -6.0  13.32
1  1
'SMRP SB 0.0311 G/MI'  'DP'  202302.2  233552.4  202392.0  233754.6  2880  0.0311  -6.0  13.32
1  1
'SMRP SB 0.0311 G/MI'  'DP'  202262.9  233392.4  202302.2  233552.4  2880  0.0311  -6.0  13.32
1  1
'SMRP SB 0.0311 G/MI'  'DP'  202288.5  233254.3  202262.9  233392.4  2880  0.0311  -6.0  13.32
2  1
'Yonkers@17 EB L Q'  'AG'  202011.2  233550.3  201962.1  233560.3  0.0  3.66  1
100  42  2  7  0.0221  132  1  3
2  1
'Yonkers@17 EB TR Q'  'AG'  202010.0  233544.9  201955.2  233556.2  0.0  7.32  2
100  42  2  1895  0.0221  1720  1  3
2  1
'Yonkers@17 WB L Q'  'AG'  202032.2  233547.0  202067.3  233539.6  0.0  3.66  1
100  29  2  223  0.0221  1718  1  3
2  1
'Yonkers@17 WB TR Q'  'AG'  202033.5  233552.5  202068.7  233544.9  0.0  7.32  2
100  29  2  2423  0.0221  1719  1  3
2  1
'Prescott NB Queue'  'AG'  202021.6  233535.5  202011.8  233504.5  0.0  4.57  1
100  77  2  120  0.0221  1747  1  3
2  1
'Yonkers@18 EB Thru Q'  'AG'  202121.2  233521.4  202066.3  233533.0  0.0  7.32  2
100  32  2  2101  0.0221  1723  1  3
2  1
'Yonkers@18 WB Thru Q'  'AG'  202156.5  233524.1  202198.5  233514.7  0.0  7.32  2
100  32  2  2492  0.0221  1723  1  3
2  1
'Yonkers@18 WB R Q'  'AG'  202157.8  233528.8  202199.6  233519.9  0.0  3.66  1
100  32  2  809  0.0221  1509  1  3
2  1
'Ashburton SB Queue'  'AG'  202137.1  233537.3  202126.2  233590.8  0.0  7.32  2
100  72  2  827  0.0221  1713  1  3
2  1
'Yonkers@19 EB Thru Q'  'AG'  202246.3  233488.6  202194.7  233505.8  0.0  7.32  2
100  26  2  2216  0.0221  1723  1  3
2  1
'Yonkers@19 WB Thru Q'  'AG'  202250.1  233499.5  202288.1  233482.4  0.0  7.32  2
100  26  2  2528  0.0221  1723  1  3
2  1
'SMRP SB Ramp SB R Q'  'AG'  202257.3  233507.0  202273.2  233521.2  0.0  7.32  2
100  78  2  773  0.0221  1430  1  3
2  1
'Yonkers@20 EB L Q'  'AG'  202330.8  233450.5  202302.3  233468.0  0.0  3.66  1
100  24  2  623  0.0221  1805  1  3
2  1
'Yonkers@20 EB Thru Q'  'AG'  202327.6  233445.9  202299.5  233463.3  0.0  7.32  2
100  24  2  1593  0.0221  1723  1  3
2  1
'Yonkers@20 WB Thru Q'  'AG'  202357.2  233438.3  202386.2  233411.3  0.0  7.32  2
100  47  2  1139  0.0221  1723  1  3
2  1
'Yonkers@20 WB R Q'  'AG'  202364.4  233439.0  202389.8  233415.4  0.0  3.66  1
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100  29  2  224  0.0221  1615  1  3
2  1
'SMRP NB Ramp SB L Q'  'AG'  202350.5  233455.3  202370.6  233482.4  0.0  3.66  1
100  82  2  34  0.0221  1805  1  3
2  1
'SMRP NB Ramp SB R Q'  'AG'  202347.6  233457.6  202367.4  233484.2  0.0  7.32  2
100  59  2  1389  0.0221  1430  1  3
1.0  0  5  1000.0  0.0  'Y'  5  1  72
** BREEZE
** PROJECTN  0 104 7 -177 0 0.9996 500000 0
** DXF2  P:\03113\003\N\014\AIR\MODELING\CAL3QHC\ACAD-YONKERS2004(STC)-INT17-18-19-20_FT_R12.DXF 0.3048 0 0
0 0 0
** OUTFILE  P:\03113\003\N\014\Air\Modeling\CAL3QHC\18-19PMBDP10.lst
** RAWFILE
** PLOT
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'17,18,19,20 YONKERS AV PM NOBUILD'  60.0  108.0  0.0  0.0  15  1  0  0  'MGM'
'18 NW CORNER'  202128.6  233537.7  1.8
'18 SW CORNER'  202125.4  233513.1  1.8
'18 NE CORNER'  202159.8  233533.8  1.8
'18 SE CORNER'  202152.9  233507.3  1.8
'19 NW CORNER'  202242.8  233509.7  1.8
'19 SW CORNER'  202232.4  233482.9  1.8
'18 NW'  202099.9  233544.5  1.8
'18 SW'  202096.0  233519.1  1.8
'18 NW'  202070.2  233551.7  1.8
'18 SW'  202064.8  233526.1  1.8
'18 FRONT OF BLDG'  202136.7  233490.0  1.8
'18 FRONT OF BLDG'  202157.9  233483.1  1.8
'18 FRONT OF BLDG'  202190.5  233491.2  1.8
'18 FRONT OF BLDG'  202202.1  233473.1  1.8
'ASHBURTON NW'  202121.9  233575.7  1.8
'PM10 EF: 0.0253 G/MI, 0.0221 G/HR'  63  1  1  'P'
1  1
'YONKERS@17 EB APPR'  'AG'  201955.2  233556.0  201705.9  233541.2  1418  0.0142  0.0  13.32
1  1
'YONKERS@17 EB LEFT'  'AG'  202026.6  233547.1  201962.1  233560.3  7  0.0142  0.0  9.66
1  1
'YONKERS@17 EB TR'  'AG'  202020.1  233542.7  201955.2  233556.0  1411  0.0142  0.0  13.32
1  1
'YONKERS 17 TO 18 EB'  'AG'  202141.4  233517.0  202020.1  233542.7  1617  0.0142  0.0  13.32
1  1
'YONKERS@18 EB DEPART'  'AG'  202194.8  233505.8  202141.4  233517.0  2415  0.0142  0.0  13.32
1  1
'YONKERS@19 EB THRU'  'AG'  202279.3  233477.5  202194.8  233505.8  1964  0.0142  0.0  13.32
1  1
'YONKERS@19 EB RIGHT'  'AG'  202235.6  233487.5  202193.5  233501.5  451  0.0142  0.0  9.66
1  1
'YONKERS@20 EB LEFT'  'AG'  202347.7  233439.8  202280.6  233481.5  518  0.0142  0.0  9.66
1  1
'YONKERS@20 EB THRU'  'AG'  202338.3  233439.4  202278.8  233476.2  1446  0.0142  0.0  13.32
1  1
'YONKERS@20 EB DEPART'  'AG'  202459.2  233329.0  202338.3  233439.4  1480  0.0142  0.0  13.32
1  1
'YONKERS@20 WB APPR'  'AG'  202386.3  233411.3  202462.7  233333.1  1190  0.0142  0.0  13.32
1  1
'YONKERS@20 WB THRU'  'AG'  202343.0  233451.3  202386.3  233411.3  966  0.0142  0.0  13.32
1  1
'YONKERS@20 WB RIGHT'  'AG'  202364.3  233439.1  202390.0  233415.2  224  0.0142  0.0  9.66
1  1
'YONKERS@20 WB RIGHT'  'AG'  202361.8  233459.5  202364.3  233439.1  224  0.0142  0.0  9.66
1  1
'YONKERS@20 WB DEPART'  'AG'  202290.5  233481.4  202343.0  233451.3  2053  0.0142  0.0  13.32
1  1
'YONKERS@19 WB APPR'  'AG'  202250.1  233499.4  202290.5  233481.4  2053  0.0142  0.0  13.32
1  1
'YONKERS@19 WB DEPART'  'AG'  202198.6  233514.7  202250.1  233499.4  2613  0.0142  0.0  13.32
1  1
'YONKERS@18 WB THRU'  'AG'  202139.1  233527.8  202198.6  233514.7  1804  0.0142  0.0  13.32
1  1
'YONKERS@18 WB RIGHT'  'AG'  202157.8  233528.7  202199.6  233520.0  809  0.0142  0.0  9.66
1  1
'YONKERS@18 WB DEPART'  'AG'  202068.8  233544.8  202139.1  233527.8  1958  0.0142  0.0  13.32
1  1
'YONKERS@17 WB LEFT'  'AG'  202022.0  233549.1  202067.5  233539.5  223  0.0142  0.0  9.66
1  1
'YONKERS@17 WB TR'  'AG'  202023.8  233554.6  202068.8  233544.9  1735  0.0142  0.0  13.32
1  1
'YONKERS@17 WB DEPART'  'AG'  201959.7  233566.9  202023.7  233553.8  1708  0.0142  0.0  13.32
1  1
'YONKERS@17 WB DEPART'  'AG'  201705.8  233551.9  201959.5  233566.9  1708  0.0142  0.0  13.32
1  1
'PRESCOTT NB APPR'  'AG'  202023.6  233542.0  202011.9  233504.5  120  0.0142  0.0  9.66
1  1
'PRESCOTT NB DEPART'  'AG'  202031.8  233587.1  202027.4  233553.6  50  0.0253  0.0  9.66
1  1
'PRESCOTT SB DEPART'  'AG'  202008.5  233505.5  202020.0  233542.7  241  0.0253  0.0  9.66
1  1
'ASHBURTON NB DEPART'  'AG'  202142.4  233542.2  202157.8  233528.7  809  0.0253  0.0  9.66
1  1
'ASHBURTON NB DEPART'  'AG'  202106.0  233719.3  202142.4  233542.2  809  0.0253  0.0  9.66
1  1
'ASHBURTON NB DEPART'  'AG'  202127.9  233820.1  202106.0  233719.3  809  0.0253  0.0  9.66
1  1
'ASHBURTON SB APPR'  'AG'  202141.3  233517.1  202100.2  233718.0  827  0.0253  0.0  13.32
1  1
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'ASHBURTON SB APPR'  'AG'  202100.2  233718.0  202122.1  233821.0  827  0.0253  0.0  9.66
1  1
'SMRP SB RAMP SB APPR'  'AG'  202273.2  233521.3  202338.9  233661.0  561  0.0253  0.0  9.66
1  1
'SMRP SB RAMP SB R'  'AG'  202254.6  233504.7  202273.1  233521.3  561  0.0253  0.0  9.66
1  1
'SMRP SB RAMP SB DEP'  'AG'  202258.4  233451.3  202235.6  233487.5  451  0.0253  0.0  9.66
1  1
'SMRP SB RAMP SB DEP'  'AG'  202258.7  233386.1  202258.4  233451.3  451  0.0253  0.0  9.66
1  1
'SMRP SB RAMP SB DEP'  'AG'  202224.8  233190.8  202258.7  233386.1  451  0.0253  0.0  9.66
1  1
'SMRP NB RAMP NB DEP'  'AG'  202386.6  233494.5  202347.7  233439.8  742  0.0253  0.0  9.66
1  1
'SMRP NB RAMP NB DEP'  'AG'  202405.7  233555.3  202386.6  233494.5  742  0.0253  0.0  9.66
1  1
'SMRP NB RAMP SB APPR'  'AG'  202367.6  233484.1  202398.9  233557.5  1121  0.0253  0.0  9.66
1  1
'SMRP NB RAMP SB LEFT'  'AG'  202338.2  233439.6  202370.6  233482.4  34  0.0253  0.0  9.66
1  1
'SMRP NB RAMP SB R'  'AG'  202343.0  233451.4  202367.3  233484.3  1087  0.0253  0.0  9.66
1  1
'SMRP NB 0.0311 G/MI'  'DP'  202273.2  233397.8  202294.8  233258.7  2562  0.0311  -6.0  13.32
1  1
'SMRP NB 0.0311 G/MI'  'DP'  202317.8  233567.8  202273.2  233397.8  2562  0.0311  -6.0  13.32
1  1
'SMRP NB 0.0311 G/MI'  'DP'  202372.6  233692.0  202317.8  233567.8  2562  0.0311  -6.0  13.32
1  1
'SMRP SB 0.0311 G/MI'  'DP'  202302.2  233552.4  202392.0  233754.6  2880  0.0311  -6.0  13.32
1  1
'SMRP SB 0.0311 G/MI'  'DP'  202262.9  233392.4  202302.2  233552.4  2880  0.0311  -6.0  13.32
1  1
'SMRP SB 0.0311 G/MI'  'DP'  202288.5  233254.3  202262.9  233392.4  2880  0.0311  -6.0  13.32
2  1
'YONKERS@17 EB L Q'  'AG'  202011.2  233550.3  201962.1  233560.3  0.0  3.66  1
100  47  2  7  0.0221  130  1  3
2  1
'YONKERS@17 EB TR Q'  'AG'  202010.0  233544.9  201955.2  233556.2  0.0  7.32  2
100  47  2  1411  0.0221  1547  1  3
2  1
'YONKERS@17 WB L Q'  'AG'  202032.2  233547.0  202067.3  233539.6  0.0  3.66  1
100  34  2  223  0.0221  1545  1  3
2  1
'YONKERS@17 WB TR Q'  'AG'  202033.5  233552.5  202068.7  233544.9  0.0  7.32  2
100  34  2  1735  0.0221  1545  1  3
2  1
'PRESCOTT NB QUEUE'  'AG'  202021.6  233535.5  202011.8  233504.5  0.0  4.57  1
100  72  2  120  0.0221  1583  1  3
2  1
'YONKERS@18 EB THRU Q'  'AG'  202121.2  233521.4  202066.3  233533.0  0.0  7.32  2
100  37  2  1617  0.0221  1551  1  3
2  1
'YONKERS@18 WB THRU Q'  'AG'  202156.5  233524.1  202198.5  233514.7  0.0  7.32  2
100  37  2  1804  0.0221  1551  1  3
2  1
'YONKERS@18 WB R Q'  'AG'  202157.8  233528.8  202199.6  233519.9  0.0  3.66  1
100  37  2  809  0.0221  1356  1  3
2  1
'ASHBURTON SB QUEUE'  'AG'  202137.1  233537.3  202126.2  233590.8  0.0  7.32  2
100  67  2  827  0.0221  1542  1  3
2  1
'YONKERS@20 EB L Q'  'AG'  202330.8  233450.5  202302.3  233468.0  0.0  3.66  1
100  24  2  518  0.0221  1805  1  3
2  1
'YONKERS@20 EB THRU Q'  'AG'  202327.6  233445.9  202299.5  233463.3  0.0  7.32  2
100  24  2  1446  0.0221  1723  1  3
2  1
'YONKERS@20 WB THRU Q'  'AG'  202357.2  233438.3  202386.2  233411.3  0.0  7.32  2
100  47  2  966  0.0221  1723  1  3
2  1
'YONKERS@20 WB R Q'  'AG'  202364.4  233439.0  202389.8  233415.4  0.0  3.66  1
100  29  2  224  0.0221  1615  1  3
2  1
'SMRP NB RAMP SB L Q'  'AG'  202350.5  233455.3  202370.6  233482.4  0.0  3.66  1
100  82  2  34  0.0221  1805  1  3
2  1
'SMRP NB RAMP SB R Q'  'AG'  202347.6  233457.6  202367.4  233484.2  0.0  7.32  2
100  59  2  1087  0.0221  1615  1  3
1.0  0  5  1000.0  0.0  'Y'  5  1  72
** BREEZE
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** PROJECTN  0 104 7 -177 0 0.9996 500000 0
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** PLOT
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'17,18,19,20 YONKERS AV PM BUILD BALLPARK'  60.0  108.0  0.0  0.0  15  1  0  0  'MGM'
'18 NW CORNER'  202128.6  233537.7  1.8
'18 SW CORNER'  202125.4  233513.1  1.8
'18 NE CORNER'  202159.8  233533.8  1.8
'18 SE CORNER'  202152.9  233507.3  1.8
'19 NW CORNER'  202242.8  233509.7  1.8
'19 SW CORNER'  202232.4  233482.9  1.8
'18 NW'  202099.9  233544.5  1.8
'18 SW'  202096.0  233519.1  1.8
'18 NW'  202070.2  233551.7  1.8
'18 SW'  202064.8  233526.1  1.8
'18 FRONT OF BLDG'  202136.7  233490.0  1.8
'18 FRONT OF BLDG'  202157.9  233483.1  1.8
'18 FRONT OF BLDG'  202190.5  233491.2  1.8
'18 FRONT OF BLDG'  202202.1  233473.1  1.8
'ASHBURTON NW'  202121.9  233575.7  1.8
'PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR'  66  1  1  'P'
1  1
'YONKERS@17 EB APPR'  'AG'  201955.2  233556.0  201705.9  233541.2  1902  0.0142  0.0  13.32
1  1
'YONKERS@17 EB LEFT'  'AG'  202026.6  233547.1  201962.1  233560.3  7  0.0142  0.0  9.66
1  1
'YONKERS@17 EB TR'  'AG'  202020.1  233542.7  201955.2  233556.0  1895  0.0142  0.0  13.32
1  1
'YONKERS 17 TO 18 EB'  'AG'  202141.4  233517.0  202020.1  233542.7  2101  0.0142  0.0  13.32
1  1
'YONKERS@18 EB DEPART'  'AG'  202194.8  233505.8  202141.4  233517.0  2899  0.0142  0.0  13.32
1  1
'YONKERS@19 EB THRU'  'AG'  202279.3  233477.5  202194.8  233505.8  2216  0.0142  0.0  13.32
1  1
'YONKERS@19 EB RIGHT'  'AG'  202235.6  233487.5  202193.5  233501.5  683  0.0142  0.0  9.66
1  1
'YONKERS@20 EB LEFT'  'AG'  202347.7  233439.8  202280.6  233481.5  623  0.0142  0.0  9.66
1  1
'YONKERS@20 EB THRU'  'AG'  202338.3  233439.4  202278.8  233476.2  1593  0.0142  0.0  13.32
1  1
'YONKERS@20 EB DEPART'  'AG'  202459.2  233329.0  202338.3  233439.4  1627  0.0142  0.0  13.32
1  1
'YONKERS@20 WB APPR'  'AG'  202386.3  233411.3  202462.7  233333.1  1363  0.0142  0.0  13.32
1  1
'YONKERS@20 WB THRU'  'AG'  202343.0  233451.3  202386.3  233411.3  1139  0.0142  0.0  13.32
1  1
'YONKERS@20 WB RIGHT'  'AG'  202364.3  233439.1  202390.0  233415.2  224  0.0142  0.0  9.66
1  1
'YONKERS@20 WB RIGHT'  'AG'  202361.8  233459.5  202364.3  233439.1  224  0.0142  0.0  9.66
1  1
'YONKERS@20 WB DEPART'  'AG'  202290.5  233481.4  202343.0  233451.3  2528  0.0142  0.0  13.32
1  1
'YONKERS@19 WB APPR'  'AG'  202250.1  233499.4  202290.5  233481.4  2528  0.0142  0.0  13.32
1  1
'YONKERS@19 WB DEPART'  'AG'  202198.6  233514.7  202250.1  233499.4  3301  0.0142  0.0  13.32
1  1
'YONKERS@18 WB THRU'  'AG'  202139.1  233527.8  202198.6  233514.7  2492  0.0142  0.0  13.32
1  1
'YONKERS@18 WB RIGHT'  'AG'  202157.8  233528.7  202199.6  233520.0  809  0.0142  0.0  9.66
1  1
'YONKERS@18 WB DEPART'  'AG'  202068.8  233544.8  202139.1  233527.8  2646  0.0142  0.0  13.32
1  1
'YONKERS@17 WB LEFT'  'AG'  202022.0  233549.1  202067.5  233539.5  223  0.0142  0.0  9.66
1  1
'YONKERS@17 WB TR'  'AG'  202023.8  233554.6  202068.8  233544.9  2423  0.0142  0.0  13.32
1  1
'YONKERS@17 WB DEPART'  'AG'  201959.7  233566.9  202023.7  233553.8  2396  0.0142  0.0  13.32
1  1
'YONKERS@17 WB DEPART'  'AG'  201705.8  233551.9  201959.5  233566.9  2396  0.0142  0.0  13.32
1  1
'PRESCOTT NB APPR'  'AG'  202023.6  233542.0  202011.9  233504.5  120  0.0142  0.0  9.66
1  1
'PRESCOTT NB DEPART'  'AG'  202031.8  233587.1  202027.4  233553.6  50  0.0142  0.0  9.66
1  1
'PRESCOTT SB DEPART'  'AG'  202008.5  233505.5  202020.0  233542.7  241  0.0142  0.0  9.66
1  1
'ASHBURTON NB DEPART'  'AG'  202142.4  233542.2  202157.8  233528.7  809  0.0142  0.0  9.66
1  1
'ASHBURTON NB DEPART'  'AG'  202106.0  233719.3  202142.4  233542.2  809  0.0142  0.0  9.66
1  1
'ASHBURTON NB DEPART'  'AG'  202127.9  233820.1  202106.0  233719.3  809  0.0142  0.0  9.66
1  1
'ASHBURTON SB APPR'  'AG'  202141.3  233517.1  202100.2  233718.0  827  0.0142  0.0  13.32
1  1
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'ASHBURTON SB APPR'  'AG'  202100.2  233718.0  202122.1  233821.0  827  0.0142  0.0  9.66
1  1
'SMRP SB RAMP SB APPR'  'AG'  202273.2  233521.3  202338.9  233661.0  773  0.0142  0.0  13.32
1  1
'SMRP SB RAMP SB R'  'AG'  202254.6  233504.7  202273.1  233521.3  773  0.0142  0.0  13.32
1  1
'SMRP SB RAMP SB DEP'  'AG'  202258.4  233451.3  202235.6  233487.5  683  0.0142  0.0  9.66
1  1
'SMRP SB RAMP SB DEP'  'AG'  202258.7  233386.1  202258.4  233451.3  683  0.0142  0.0  9.66
1  1
'SMRP SB RAMP SB DEP'  'AG'  202224.8  233190.8  202258.7  233386.1  683  0.0142  0.0  9.66
1  1
'SMRP NB RAMP NB DEP'  'AG'  202386.6  233494.5  202347.7  233439.8  847  0.0142  0.0  9.66
1  1
'SMRP NB RAMP NB DEP'  'AG'  202405.7  233555.3  202386.6  233494.5  847  0.0142  0.0  9.66
1  1
'SMRP NB RAMP SB APPR'  'AG'  202367.6  233484.1  202398.9  233557.5  1423  0.0142  0.0  9.66
1  1
'SMRP NB RAMP SB LEFT'  'AG'  202338.2  233439.6  202370.6  233482.4  34  0.0142  0.0  9.66
1  1
'SMRP NB RAMP SB R'  'AG'  202343.0  233451.4  202367.3  233484.3  1389  0.0142  0.0  9.66
1  1
'SMRP NB 0.0189 G/MI'  'DP'  202273.2  233397.8  202294.8  233258.7  2562  0.0189  -6.0  13.32
1  1
'SMRP NB 0.0189 G/MI'  'DP'  202317.8  233567.8  202273.2  233397.8  2562  0.0189  -6.0  13.32
1  1
'SMRP NB 0.0189 G/MI'  'DP'  202372.6  233692.0  202317.8  233567.8  2562  0.0189  -6.0  13.32
1  1
'SMRP SB 0.0189 G/MI'  'DP'  202302.2  233552.4  202392.0  233754.6  2880  0.0189  -6.0  13.32
1  1
'SMRP SB 0.0189 G/MI'  'DP'  202262.9  233392.4  202302.2  233552.4  2880  0.0189  -6.0  13.32
1  1
'SMRP SB 0.0189 G/MI'  'DP'  202288.5  233254.3  202262.9  233392.4  2880  0.0189  -6.0  13.32
2  1
'YONKERS@17 EB L Q'  'AG'  202011.2  233550.3  201962.1  233560.3  0.0  3.66  1
100  42  2  7  0.0202  132  1  3
2  1
'YONKERS@17 EB TR Q'  'AG'  202010.0  233544.9  201955.2  233556.2  0.0  7.32  2
100  42  2  1895  0.0202  1720  1  3
2  1
'YONKERS@17 WB L Q'  'AG'  202032.2  233547.0  202067.3  233539.6  0.0  3.66  1
100  29  2  223  0.0202  1718  1  3
2  1
'YONKERS@17 WB TR Q'  'AG'  202033.5  233552.5  202068.7  233544.9  0.0  7.32  2
100  29  2  2423  0.0202  1719  1  3
2  1
'PRESCOTT NB QUEUE'  'AG'  202021.6  233535.5  202011.8  233504.5  0.0  4.57  1
100  77  2  120  0.0202  1747  1  3
2  1
'YONKERS@18 EB THRU Q'  'AG'  202121.2  233521.4  202066.3  233533.0  0.0  7.32  2
100  32  2  2101  0.0202  1723  1  3
2  1
'YONKERS@18 WB THRU Q'  'AG'  202156.5  233524.1  202198.5  233514.7  0.0  7.32  2
100  32  2  2492  0.0202  1723  1  3
2  1
'YONKERS@18 WB R Q'  'AG'  202157.8  233528.8  202199.6  233519.9  0.0  3.66  1
100  32  2  809  0.0202  1509  1  3
2  1
'ASHBURTON SB QUEUE'  'AG'  202137.1  233537.3  202126.2  233590.8  0.0  7.32  2
100  72  2  827  0.0202  1713  1  3
2  1
'YONKERS@19 EB THRU Q'  'AG'  202246.3  233488.6  202194.7  233505.8  0.0  7.32  2
100  26  2  2216  0.0202  1723  1  3
2  1
'YONKERS@19 WB THRU Q'  'AG'  202250.1  233499.5  202288.1  233482.4  0.0  7.32  2
100  26  2  2528  0.0202  1723  1  3
2  1
'SMRP SB RAMP SB R Q'  'AG'  202257.3  233507.0  202273.2  233521.2  0.0  7.32  2
100  78  2  773  0.0202  1430  1  3
2  1
'YONKERS@20 EB L Q'  'AG'  202330.8  233450.5  202302.3  233468.0  0.0  3.66  1
100  24  2  623  0.0202  1805  1  3
2  1
'YONKERS@20 EB THRU Q'  'AG'  202327.6  233445.9  202299.5  233463.3  0.0  7.32  2
100  24  2  1593  0.0202  1723  1  3
2  1
'YONKERS@20 WB THRU Q'  'AG'  202357.2  233438.3  202386.2  233411.3  0.0  7.32  2
100  47  2  1139  0.0202  1723  1  3
2  1
'YONKERS@20 WB R Q'  'AG'  202364.4  233439.0  202389.8  233415.4  0.0  3.66  1
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100  29  2  224  0.0202  1615  1  3
2  1
'SMRP NB RAMP SB L Q'  'AG'  202350.5  233455.3  202370.6  233482.4  0.0  3.66  1
100  82  2  34  0.0202  1805  1  3
2  1
'SMRP NB RAMP SB R Q'  'AG'  202347.6  233457.6  202367.4  233484.2  0.0  7.32  2
100  59  2  1389  0.0202  1430  1  3
1.0  0  5  1000.0  0.0  'Y'  5  1  72
** BREEZE
** PROJECTN  0 104 7 -177 0 0.9996 500000 0
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0 0 0
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** PLOT
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'17,18,19,20 YONKERS AV PM NOBUILD'  60.0  108.0  0.0  0.0  15  1  0  0  'MGM'
'18 NW CORNER'  202128.6  233537.7  1.8
'18 SW CORNER'  202125.4  233513.1  1.8
'18 NE CORNER'  202159.8  233533.8  1.8
'18 SE CORNER'  202152.9  233507.3  1.8
'19 NW CORNER'  202242.8  233509.7  1.8
'19 SW CORNER'  202232.4  233482.9  1.8
'18 NW'  202099.9  233544.5  1.8
'18 SW'  202096.0  233519.1  1.8
'18 NW'  202070.2  233551.7  1.8
'18 SW'  202064.8  233526.1  1.8
'18 FRONT OF BLDG'  202136.7  233490.0  1.8
'18 FRONT OF BLDG'  202157.9  233483.1  1.8
'18 FRONT OF BLDG'  202190.5  233491.2  1.8
'18 FRONT OF BLDG'  202202.1  233473.1  1.8
'ASHBURTON NW'  202121.9  233575.7  1.8
'PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR'  63  1  1  'P'
1  1
'YONKERS@17 EB APPR'  'AG'  201955.2  233556.0  201705.9  233541.2  1418  0.0142  0.0  13.32
1  1
'YONKERS@17 EB LEFT'  'AG'  202026.6  233547.1  201962.1  233560.3  7  0.0142  0.0  9.66
1  1
'YONKERS@17 EB TR'  'AG'  202020.1  233542.7  201955.2  233556.0  1411  0.0142  0.0  13.32
1  1
'YONKERS 17 TO 18 EB'  'AG'  202141.4  233517.0  202020.1  233542.7  1617  0.0142  0.0  13.32
1  1
'YONKERS@18 EB DEPART'  'AG'  202194.8  233505.8  202141.4  233517.0  2415  0.0142  0.0  13.32
1  1
'YONKERS@19 EB THRU'  'AG'  202279.3  233477.5  202194.8  233505.8  1964  0.0142  0.0  13.32
1  1
'YONKERS@19 EB RIGHT'  'AG'  202235.6  233487.5  202193.5  233501.5  451  0.0142  0.0  9.66
1  1
'YONKERS@20 EB LEFT'  'AG'  202347.7  233439.8  202280.6  233481.5  518  0.0142  0.0  9.66
1  1
'YONKERS@20 EB THRU'  'AG'  202338.3  233439.4  202278.8  233476.2  1446  0.0142  0.0  13.32
1  1
'YONKERS@20 EB DEPART'  'AG'  202459.2  233329.0  202338.3  233439.4  1480  0.0142  0.0  13.32
1  1
'YONKERS@20 WB APPR'  'AG'  202386.3  233411.3  202462.7  233333.1  1190  0.0142  0.0  13.32
1  1
'YONKERS@20 WB THRU'  'AG'  202343.0  233451.3  202386.3  233411.3  966  0.0142  0.0  13.32
1  1
'YONKERS@20 WB RIGHT'  'AG'  202364.3  233439.1  202390.0  233415.2  224  0.0142  0.0  9.66
1  1
'YONKERS@20 WB RIGHT'  'AG'  202361.8  233459.5  202364.3  233439.1  224  0.0142  0.0  9.66
1  1
'YONKERS@20 WB DEPART'  'AG'  202290.5  233481.4  202343.0  233451.3  2053  0.0142  0.0  13.32
1  1
'YONKERS@19 WB APPR'  'AG'  202250.1  233499.4  202290.5  233481.4  2053  0.0142  0.0  13.32
1  1
'YONKERS@19 WB DEPART'  'AG'  202198.6  233514.7  202250.1  233499.4  2613  0.0142  0.0  13.32
1  1
'YONKERS@18 WB THRU'  'AG'  202139.1  233527.8  202198.6  233514.7  1804  0.0142  0.0  13.32
1  1
'YONKERS@18 WB RIGHT'  'AG'  202157.8  233528.7  202199.6  233520.0  809  0.0142  0.0  9.66
1  1
'YONKERS@18 WB DEPART'  'AG'  202068.8  233544.8  202139.1  233527.8  1958  0.0142  0.0  13.32
1  1
'YONKERS@17 WB LEFT'  'AG'  202022.0  233549.1  202067.5  233539.5  223  0.0142  0.0  9.66
1  1
'YONKERS@17 WB TR'  'AG'  202023.8  233554.6  202068.8  233544.9  1735  0.0142  0.0  13.32
1  1
'YONKERS@17 WB DEPART'  'AG'  201959.7  233566.9  202023.7  233553.8  1708  0.0142  0.0  13.32
1  1
'YONKERS@17 WB DEPART'  'AG'  201705.8  233551.9  201959.5  233566.9  1708  0.0142  0.0  13.32
1  1
'PRESCOTT NB APPR'  'AG'  202023.6  233542.0  202011.9  233504.5  120  0.0142  0.0  9.66
1  1
'PRESCOTT NB DEPART'  'AG'  202031.8  233587.1  202027.4  233553.6  50  0.0142  0.0  9.66
1  1
'PRESCOTT SB DEPART'  'AG'  202008.5  233505.5  202020.0  233542.7  241  0.0142  0.0  9.66
1  1
'ASHBURTON NB DEPART'  'AG'  202142.4  233542.2  202157.8  233528.7  809  0.0142  0.0  9.66
1  1
'ASHBURTON NB DEPART'  'AG'  202106.0  233719.3  202142.4  233542.2  809  0.0142  0.0  9.66
1  1
'ASHBURTON NB DEPART'  'AG'  202127.9  233820.1  202106.0  233719.3  809  0.0142  0.0  9.66
1  1
'ASHBURTON SB APPR'  'AG'  202141.3  233517.1  202100.2  233718.0  827  0.0142  0.0  13.32
1  1
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'ASHBURTON SB APPR'  'AG'  202100.2  233718.0  202122.1  233821.0  827  0.0142  0.0  9.66
1  1
'SMRP SB RAMP SB APPR'  'AG'  202273.2  233521.3  202338.9  233661.0  561  0.0142  0.0  9.66
1  1
'SMRP SB RAMP SB R'  'AG'  202254.6  233504.7  202273.1  233521.3  561  0.0142  0.0  9.66
1  1
'SMRP SB RAMP SB DEP'  'AG'  202258.4  233451.3  202235.6  233487.5  451  0.0142  0.0  9.66
1  1
'SMRP SB RAMP SB DEP'  'AG'  202258.7  233386.1  202258.4  233451.3  451  0.0142  0.0  9.66
1  1
'SMRP SB RAMP SB DEP'  'AG'  202224.8  233190.8  202258.7  233386.1  451  0.0142  0.0  9.66
1  1
'SMRP NB RAMP NB DEP'  'AG'  202386.6  233494.5  202347.7  233439.8  742  0.0142  0.0  9.66
1  1
'SMRP NB RAMP NB DEP'  'AG'  202405.7  233555.3  202386.6  233494.5  742  0.0142  0.0  9.66
1  1
'SMRP NB RAMP SB APPR'  'AG'  202367.6  233484.1  202398.9  233557.5  1121  0.0142  0.0  9.66
1  1
'SMRP NB RAMP SB LEFT'  'AG'  202338.2  233439.6  202370.6  233482.4  34  0.0142  0.0  9.66
1  1
'SMRP NB RAMP SB R'  'AG'  202343.0  233451.4  202367.3  233484.3  1087  0.0142  0.0  9.66
1  1
'SMRP NB 0.0189 G/MI'  'DP'  202273.2  233397.8  202294.8  233258.7  2562  0.0189  -6.0  13.32
1  1
'SMRP NB 0.0189 G/MI'  'DP'  202317.8  233567.8  202273.2  233397.8  2562  0.0189  -6.0  13.32
1  1
'SMRP NB 0.0189 G/MI'  'DP'  202372.6  233692.0  202317.8  233567.8  2562  0.0189  -6.0  13.32
1  1
'SMRP SB 0.0189 G/MI'  'DP'  202302.2  233552.4  202392.0  233754.6  2880  0.0189  -6.0  13.32
1  1
'SMRP SB 0.0189 G/MI'  'DP'  202262.9  233392.4  202302.2  233552.4  2880  0.0189  -6.0  13.32
1  1
'SMRP SB 0.0189 G/MI'  'DP'  202288.5  233254.3  202262.9  233392.4  2880  0.0189  -6.0  13.32
2  1
'YONKERS@17 EB L Q'  'AG'  202011.2  233550.3  201962.1  233560.3  0.0  3.66  1
100  47  2  7  0.0202  130  1  3
2  1
'YONKERS@17 EB TR Q'  'AG'  202010.0  233544.9  201955.2  233556.2  0.0  7.32  2
100  47  2  1411  0.0202  1547  1  3
2  1
'YONKERS@17 WB L Q'  'AG'  202032.2  233547.0  202067.3  233539.6  0.0  3.66  1
100  34  2  223  0.0202  1545  1  3
2  1
'YONKERS@17 WB TR Q'  'AG'  202033.5  233552.5  202068.7  233544.9  0.0  7.32  2
100  34  2  1735  0.0202  1545  1  3
2  1
'PRESCOTT NB QUEUE'  'AG'  202021.6  233535.5  202011.8  233504.5  0.0  4.57  1
100  72  2  120  0.0202  1583  1  3
2  1
'YONKERS@18 EB THRU Q'  'AG'  202121.2  233521.4  202066.3  233533.0  0.0  7.32  2
100  37  2  1617  0.0202  1551  1  3
2  1
'YONKERS@18 WB THRU Q'  'AG'  202156.5  233524.1  202198.5  233514.7  0.0  7.32  2
100  37  2  1804  0.0202  1551  1  3
2  1
'YONKERS@18 WB R Q'  'AG'  202157.8  233528.8  202199.6  233519.9  0.0  3.66  1
100  37  2  809  0.0202  1356  1  3
2  1
'ASHBURTON SB QUEUE'  'AG'  202137.1  233537.3  202126.2  233590.8  0.0  7.32  2
100  67  2  827  0.0202  1542  1  3
2  1
'YONKERS@20 EB L Q'  'AG'  202330.8  233450.5  202302.3  233468.0  0.0  3.66  1
100  24  2  518  0.0202  1805  1  3
2  1
'YONKERS@20 EB THRU Q'  'AG'  202327.6  233445.9  202299.5  233463.3  0.0  7.32  2
100  24  2  1446  0.0202  1723  1  3
2  1
'YONKERS@20 WB THRU Q'  'AG'  202357.2  233438.3  202386.2  233411.3  0.0  7.32  2
100  47  2  966  0.0202  1723  1  3
2  1
'YONKERS@20 WB R Q'  'AG'  202364.4  233439.0  202389.8  233415.4  0.0  3.66  1
100  29  2  224  0.0202  1615  1  3
2  1
'SMRP NB RAMP SB L Q'  'AG'  202350.5  233455.3  202370.6  233482.4  0.0  3.66  1
100  82  2  34  0.0202  1805  1  3
2  1
'SMRP NB RAMP SB R Q'  'AG'  202347.6  233457.6  202367.4  233484.2  0.0  7.32  2
100  59  2  1087  0.0202  1615  1  3
1.0  0  5  1000.0  0.0  'Y'  5  1  72
** BREEZE
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** PROJECTN  0 104 7 -177 0 0.9996 500000 0
** DXF2  P:\03113\003\N\014\AIR\MODELING\CAL3QHC\ACAD-YONKERS2004(STC)-INT17-18-19-20_FT_R12.DXF 0.3048 0 0
0 0 0
** OUTFILE  P:\03113\003\N\014\Air\Modeling\CAL3QHC\18-19PMBDP25.lst
** RAWFILE
** PLOT
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CAL3QHC - (DATED 95221)

CAL3QHC PC (32 BIT) VERSION 3.0.0
(C) COPYRIGHT 1993-2000, TRINITY CONSULTANTS

Run Began on 5/31/2007 at 18:15:05

JOB: 17,18,19,20 YONKERS AV PM BUILD BALLPARK RUN: PM10 EF: 0.0253 G/MI, 0.0221 G/HR

DATE : 05/31/ 0
TIME : 18:15:05

The MODE flag has been set to P for calculating PM averages.

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 108. CM
U = 1.0 M/S CLAS = 5 (E) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 ug/m**3

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	LENGTH (M)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. YONKERS@17 EB APPR	201955.2	233556.0	201705.9	233541.2	250.	267.	AG	1902.	0.0	0.0	13.3		
2. YONKERS@17 EB LEFT	202026.6	233547.1	201962.1	233560.3	66.	282.	AG	7.	0.0	0.0	9.7		
3. YONKERS@17 EB TR	202020.1	233542.7	201955.2	233556.0	66.	282.	AG	1895.	0.0	0.0	13.3		
4. YONKERS 17 TO 18 EB	202141.4	233517.0	202020.1	233542.7	124.	282.	AG	2101.	0.0	0.0	13.3		
5. YONKERS@18 EB DEPART	202194.8	233505.8	202141.4	233517.0	55.	282.	AG	2899.	0.0	0.0	13.3		
6. YONKERS@19 EB THRU	202279.3	233477.5	202194.8	233505.8	89.	289.	AG	2216.	0.0	0.0	13.3		
7. YONKERS@19 EB RIGHT	202235.6	233487.5	202193.5	233501.5	44.	288.	AG	683.	0.0	0.0	9.7		
8. YONKERS@20 EB LEFT	202347.7	233439.8	202280.6	233481.5	79.	302.	AG	623.	0.0	0.0	9.7		
9. YONKERS@20 EB THRU	202338.3	233439.4	202278.8	233476.2	70.	302.	AG	1593.	0.0	0.0	13.3		
10. YONKERS@20 EB DEPART	202459.2	233329.0	202338.3	233439.4	164.	312.	AG	1627.	0.0	0.0	13.3		
11. YONKERS@20 WB APPR	202386.3	233411.3	202462.7	233333.1	109.	136.	AG	1363.	0.0	0.0	13.3		
12. YONKERS@20 WB THRU	202343.0	233451.3	202386.3	233411.3	59.	133.	AG	1139.	0.0	0.0	13.3		
13. YONKERS@20 WB RIGHT	202364.3	233439.1	202390.0	233415.2	35.	133.	AG	224.	0.0	0.0	9.7		
14. YONKERS@20 WB RIGHT	202361.8	233459.5	202364.3	233439.1	21.	173.	AG	224.	0.0	0.0	9.7		
15. YONKERS@20 WB DEPART	202290.5	233481.4	202343.0	233451.3	61.	120.	AG	2528.	0.0	0.0	13.3		
16. YONKERS@19 WB APPR	202250.1	233499.4	202290.5	233481.4	44.	114.	AG	2528.	0.0	0.0	13.3		
17. YONKERS@19 WB DEPART	202198.6	233514.7	202250.1	233499.4	54.	107.	AG	3301.	0.0	0.0	13.3		
18. YONKERS@18 WB THRU	202139.1	233527.8	202198.6	233514.7	61.	102.	AG	2492.	0.0	0.0	13.3		
19. YONKERS@18 WB RIGHT	202157.8	233528.7	202199.6	233520.0	43.	102.	AG	809.	0.0	0.0	9.7		
20. YONKERS@18 WB DEPART	202068.8	233544.8	202139.1	233527.8	72.	104.	AG	2646.	0.0	0.0	13.3		
21. YONKERS@17 WB LEFT	202022.0	233549.1	202067.5	233539.5	47.	102.	AG	223.	0.0	0.0	9.7		
22. YONKERS@17 WB TR	202023.8	233554.6	202068.8	233544.9	46.	102.	AG	2423.	0.0	0.0	13.3		
23. YONKERS@17 WB DEPART	201959.7	233566.9	202023.7	233553.8	65.	102.	AG	2396.	0.0	0.0	13.3		
24. YONKERS@17 WB DEPART	201705.8	233551.9	201959.5	233566.9	254.	87.	AG	2396.	0.0	0.0	13.3		
25. PRESCOTT NB APPR	202023.6	233542.0	202011.9	233504.5	39.	197.	AG	120.	0.0	0.0	9.7		
26. PRESCOTT NB DEPART	202031.8	233587.1	202027.4	233553.6	34.	187.	AG	50.	0.0	0.0	9.7		
27. PRESCOTT SB DEPART	202008.5	233505.5	202020.0	233542.7	39.	17.	AG	241.	0.0	0.0	9.7		
28. ASHBURTON NB DEPART	202142.4	233542.2	202157.8	233528.7	20.	131.	AG	809.	0.0	0.0	9.7		
29. ASHBURTON NB DEPART	202106.0	233719.3	202142.4	233542.2	181.	168.	AG	809.	0.0	0.0	9.7		
30. ASHBURTON NB DEPART	202127.9	233820.1	202106.0	233719.3	103.	192.	AG	809.	0.0	0.0	9.7		
31. ASHBURTON SB APPR	202141.3	233517.1	202100.2	233718.0	205.	348.	AG	827.	0.0	0.0	13.3		
32. ASHBURTON SB APPR	202100.2	233718.0	202122.1	233821.0	105.	12.	AG	827.	0.0	0.0	9.7		
33. SMRP SB RAMP SB APPR	202273.2	233521.3	202338.9	233661.0	154.	25.	AG	773.	0.0	0.0	13.3		
34. SMRP SB RAMP SB R	202254.6	233504.7	202273.1	233521.3	25.	48.	AG	773.	0.0	0.0	13.3		
35. SMRP SB RAMP SB DEP	202258.4	233451.3	202235.6	233487.5	43.	328.	AG	683.	0.0	0.0	9.7		
36. SMRP SB RAMP SB DEP	202258.7	233386.1	202258.4	233451.3	65.	360.	AG	683.	0.0	0.0	9.7		
37. SMRP SB RAMP SB DEP	202224.8	233190.8	202258.7	233386.1	198.	10.	AG	683.	0.0	0.0	9.7		
38. SMRP NB RAMP NB DEP	202386.6	233494.5	202347.7	233439.8	67.	215.	AG	847.	0.0	0.0	9.7		
39. SMRP NB RAMP NB DEP	202405.7	233555.3	202386.6	233494.5	64.	197.	AG	847.	0.0	0.0	9.7		
40. SMRP NB RAMP SB APPR	202367.6	233484.1	202398.9	233557.5	80.	23.	AG	1423.	0.0	0.0	9.7		
41. SMRP NB RAMP SB LEFT	202338.2	233439.6	202370.6	233482.4	54.	37.	AG	34.	0.0	0.0	9.7		
42. SMRP NB RAMP SB R	202343.0	233451.4	202367.3	233484.3	41.	36.	AG	1389.	0.0	0.0	9.7		
43. SMRP NB 0.0311 G/MI	202273.2	233397.8	202294.8	233258.7	141.	171.	DP	2562.	0.0	-6.0	13.3		
44. SMRP NB 0.0311 G/MI	202317.8	233567.8	202273.2	233397.8	176.	195.	DP	2562.	0.0	-6.0	13.3		

JOB: 17,18,19,20 YONKERS AV PM BUILD BALLPARK RUN: PM10 EF: 0.0253 G/MI, 0.0221 G/HR

DATE : 05/31/ 0
TIME : 18:15:05

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	LENGTH (M)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
45. SMRP NB 0.0311 G/MI	202372.6	233692.0	202317.8	233567.8	136.	204.	DP	2562.	0.0	-6.0	13.3		
46. SMRP SB 0.0311 G/MI	202302.2	233552.4	202392.0	233754.6	221.	24.	DP	2880.	0.0	-6.0	13.3		
47. SMRP SB 0.0311 G/MI	202262.9	233392.4	202302.2	233552.4	165.	14.	DP	2880.	0.0	-6.0	13.3		
48. SMRP SB 0.0311 G/MI	202288.5	233254.3	202262.9	233392.4	140.	350.	DP	2880.	0.0	-6.0	13.3		
49. Yonkers@17 EB L Q	202011.2	233550.3	202010.7	233550.4	0.	279.	AG	0.	100.0	0.0	3.7	0.10	0.1
50. Yonkers@17 EB TR Q	202010.0	233544.9	201844.0	233579.1	170.	282.	AG	0.	100.0	0.0	7.3	1.02	28.3
51. Yonkers@17 WB L Q	202032.2	233547.0	202042.8	233544.8	11.	102.	AG	0.	100.0	0.0	3.7	0.19	1.8
52. Yonkers@17 WB TR Q	202033.5	233552.5	202318.6	233491.0	292.	102.	AG	0.	100.0	0.0	7.3	1.05	48.6
53. Prescott NB Queue	202021.6	233535.5	202017.0	233520.8	15.	198.	AG	0.	100.0	0.0	4.6	0.36	2.6
54. Yonkers@18 EB Thru Q	202121.2	233521.4	202041.4	233538.2	82.	282.	AG	0.	100.0	0.0	7.3	0.95	13.6
55. Yonkers@18 WB Thru Q	202156.5	233524.1	202697.5	233403.1	554.	103.	AG	0.	100.0	0.0	7.3	1.13	92.4
56. Yonkers@18 WB R Q	202157.8	233528.8	202202.4	233519.3	46.	102.	AG	0.	100.0	0.0	3.7	0.84	7.6
57. Ashburton SB Queue	202137.1	233537.3	202120.0	233621.4	86.	348.	AG	0.	100.0	0.0	7.3	1.00	14.3
58. Yonkers@19 EB Thru Q	202246.3	233488.6	202186.7	233508.5	63.	288.	AG	0.	100.0	0.0	7.3	0.92	10.5
59. Yonkers@19 WB Thru Q	202250.1	233499.5	202508.2	233383.4	283.	114.	AG	0.	100.0	0.0	7.3	1.05	47.2
60. SMRP SB Ramp SB R Q	202257.3	233507.0	202610.1	233822.0	473.	48.	AG	0.	100.0	0.0	7.3	1.50	78.8
61. Yonkers@20 EB L Q	202330.8	233450.5	202309.6	233463.5	25.	302.	AG	0.	100.0	0.0	3.7	0.48	4.2
62. Yonkers@20 EB Thru Q	202327.6	233445.9	202300.5	233462.7	32.	302.	AG	0.	100.0	0.0	7.3	0.64	5.3
63. Yonkers@20 WB Thru Q	202357.2	233438.3	202389.8	233407.9	45.	133.	AG	0.	100.0	0.0	7.3	0.67	7.4
64. Yonkers@20 WB R Q	202364.4	233439.0	202372.3	233431.6	11.	133.	AG	0.	100.0	0.0	3.7	0.21	1.8
65. SMRP NB Ramp SB L Q	202350.5	233455.3	202353.3	233459.0	5.	37.	AG	0.	100.0	0.0	3.7	0.13	0.8
66. SMRP NB Ramp SB R Q	202347.6	233457.6	202710.7	233945.3	608.	37.	AG	0.	100.0	0.0	7.3	1.31	101.3

JOB: 17,18,19,20 YONKERS AV PM BUILD BALLPARK RUN: PM10 EF: 0.0253 G/MI, 0.0221 G/HR

DATE : 05/31/ 0
TIME : 18:15:05

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
49. Yonkers@17 EB L Q	100	42	2.0	7	132	0.02	1	3
50. Yonkers@17 EB TR Q	100	42	2.0	1895	1720	0.02	1	3
51. Yonkers@17 WB L Q	100	29	2.0	223	1718	0.02	1	3
52. Yonkers@17 WB TR Q	100	29	2.0	2423	1719	0.02	1	3
53. Prescott NB Queue	100	77	2.0	120	1747	0.02	1	3
54. Yonkers@18 EB Thru Q	100	32	2.0	2101	1723	0.02	1	3
55. Yonkers@18 WB Thru Q	100	32	2.0	2492	1723	0.02	1	3
56. Yonkers@18 WB R Q	100	32	2.0	809	1509	0.02	1	3
57. Ashburton SB Queue	100	72	2.0	827	1713	0.02	1	3
58. Yonkers@19 EB Thru Q	100	26	2.0	2216	1723	0.02	1	3
59. Yonkers@19 WB Thru Q	100	26	2.0	2528	1723	0.02	1	3
60. SMRP SB Ramp SB R Q	100	78	2.0	773	1430	0.02	1	3
61. Yonkers@20 EB L Q	100	24	2.0	623	1805	0.02	1	3
62. Yonkers@20 EB Thru Q	100	24	2.0	1593	1723	0.02	1	3
63. Yonkers@20 WB Thru Q	100	47	2.0	1139	1723	0.02	1	3
64. Yonkers@20 WB R Q	100	29	2.0	224	1615	0.02	1	3
65. SMRP NB Ramp SB L Q	100	82	2.0	34	1805	0.02	1	3
66. SMRP NB Ramp SB R Q	100	59	2.0	1389	1430	0.02	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. 18 NW CORNER	202128.6	233537.7	1.8
2. 18 SW CORNER	202125.4	233513.1	1.8
3. 18 NE CORNER	202159.8	233533.8	1.8
4. 18 SE CORNER	202152.9	233507.3	1.8
5. 19 NW CORNER	202242.8	233509.7	1.8
6. 19 SW CORNER	202232.4	233482.9	1.8
7. 18 NW	202099.9	233544.5	1.8
8. 18 SW	202096.0	233519.1	1.8
9. 18 NW	202070.2	233551.7	1.8
10. 18 SW	202064.8	233526.1	1.8
11. 18 FRONT OF BLDG	202136.7	233490.0	1.8
12. 18 FRONT OF BLDG	202157.9	233483.1	1.8
13. 18 FRONT OF BLDG	202190.5	233491.2	1.8
14. 18 FRONT OF BLDG	202202.1	233473.1	1.8
15. ASHBURTON NW	202121.9	233575.7	1.8

JOB: 17,18,19,20 YONKERS AV PM BUILD BALLPARK RUN: PM10 EF: 0.0253 G/MI, 0.0221 G/HR

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 5.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (ug/m**3) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15
5.	3.	6.	0.	5.	0.	5.	1.	4.	0.	4.	4.	3.	4.	3.	3.
10.	2.	5.	0.	5.	0.	5.	1.	5.	0.	4.	3.	3.	4.	3.	3.
15.	2.	5.	0.	5.	0.	5.	1.	5.	1.	4.	3.	3.	4.	3.	2.
20.	2.	5.	0.	5.	0.	5.	1.	4.	1.	4.	3.	3.	4.	3.	2.
25.	2.	5.	0.	5.	1.	6.	1.	4.	0.	4.	3.	3.	4.	3.	2.
30.	2.	5.	0.	5.	2.	7.	1.	4.	0.	4.	3.	3.	4.	4.	2.
35.	2.	5.	0.	5.	2.	8.	1.	4.	0.	4.	3.	3.	5.	4.	2.
40.	2.	5.	0.	5.	3.	8.	1.	5.	1.	4.	3.	3.	5.	5.	2.
45.	2.	5.	0.	6.	3.	8.	1.	5.	1.	4.	3.	4.	6.	5.	2.
50.	2.	6.	1.	6.	4.	8.	1.	5.	1.	5.	4.	4.	6.	5.	2.
55.	2.	6.	1.	7.	3.	8.	1.	6.	1.	5.	4.	5.	6.	6.	2.
60.	3.	7.	1.	7.	3.	7.	2.	6.	1.	6.	5.	5.	6.	5.	2.
65.	3.	7.	2.	8.	3.	7.	2.	6.	1.	6.	5.	5.	7.	5.	2.
70.	3.	8.	2.	8.	3.	7.	2.	7.	2.	6.	5.	5.	7.	5.	2.
75.	3.	8.	1.	8.	3.	7.	2.	7.	2.	7.	5.	5.	7.	5.	3.
80.	3.	8.	2.	9.	3.	8.	2.	8.	2.	8.	5.	4.	7.	5.	2.
85.	3.	9.	2.	9.	3.	8.	2.	9.	2.	8.	4.	4.	6.	5.	3.
90.	4.	9.	2.	9.	3.	8.	3.	9.	3.	9.	4.	4.	6.	4.	3.
95.	5.	9.	3.	9.	4.	8.	4.	8.	4.	9.	4.	4.	6.	4.	3.
100.	7.	8.	4.	9.	4.	7.	6.	8.	6.	8.	3.	3.	5.	4.	3.
105.	10.	6.	6.	7.	5.	6.	9.	6.	9.	6.	2.	3.	4.	3.	3.
110.	11.	4.	8.	5.	6.	6.	10.	4.	10.	4.	2.	2.	3.	3.	4.
115.	12.	3.	10.	4.	8.	5.	10.	3.	10.	2.	1.	2.	3.	2.	5.
120.	11.	2.	11.	2.	10.	4.	10.	2.	9.	2.	1.	1.	2.	2.	6.
125.	10.	2.	10.	2.	10.	4.	8.	1.	8.	1.	1.	2.	2.	2.	6.
130.	9.	1.	9.	2.	10.	3.	7.	1.	7.	1.	1.	1.	2.	2.	6.
135.	8.	2.	8.	2.	9.	3.	7.	1.	6.	1.	1.	2.	2.	2.	7.
140.	8.	1.	8.	2.	9.	3.	6.	1.	6.	1.	1.	1.	2.	2.	6.
145.	7.	1.	8.	2.	8.	3.	6.	1.	5.	1.	1.	1.	2.	2.	6.
150.	6.	1.	7.	1.	8.	4.	5.	1.	5.	0.	1.	1.	2.	2.	5.
155.	6.	1.	6.	1.	9.	4.	5.	0.	4.	0.	0.	1.	2.	2.	5.
160.	5.	0.	6.	1.	10.	5.	4.	0.	4.	0.	0.	0.	1.	1.	4.
165.	5.	0.	6.	0.	11.	4.	4.	0.	4.	0.	0.	0.	1.	1.	3.
170.	4.	0.	5.	0.	11.	3.	4.	0.	4.	0.	0.	0.	0.	1.	3.
175.	4.	0.	5.	0.	9.	2.	4.	0.	4.	0.	0.	0.	0.	0.	2.
180.	4.	0.	5.	0.	7.	1.	4.	0.	4.	0.	0.	0.	0.	0.	2.
185.	4.	0.	5.	0.	6.	0.	4.	0.	4.	0.	0.	0.	0.	0.	2.
190.	4.	0.	5.	0.	5.	0.	4.	0.	4.	0.	0.	0.	0.	0.	2.
195.	4.	0.	5.	0.	5.	0.	4.	0.	4.	0.	0.	0.	0.	0.	2.
200.	4.	0.	4.	0.	5.	0.	4.	0.	4.	0.	0.	0.	0.	0.	2.
205.	4.	0.	4.	0.	5.	0.	4.	0.	4.	0.	0.	0.	0.	0.	2.
210.	4.	0.	5.	0.	5.	0.	4.	0.	4.	0.	0.	0.	0.	0.	2.

JOB: 17,18,19,20 YONKERS AV PM BUILD BALLPARK RUN: PM10 EF: 0.0253 G/MI, 0.0221 G/HR

WIND ANGLE (DEGR)	* CONCENTRATION (ug/m**3) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15
215.	4.	0.	5.	0.	5.	0.	4.	0.	4.	0.	0.	0.	0.	0.	2.
220.	4.	0.	5.	0.	5.	0.	4.	0.	4.	0.	0.	0.	0.	0.	2.
225.	4.	0.	5.	0.	5.	0.	4.	0.	4.	0.	0.	0.	0.	0.	2.
230.	4.	0.	5.	0.	6.	0.	4.	0.	4.	0.	0.	0.	0.	0.	2.
235.	5.	0.	5.	0.	6.	0.	4.	0.	5.	0.	0.	0.	0.	0.	2.
240.	5.	0.	6.	0.	6.	0.	5.	0.	5.	0.	0.	0.	0.	0.	2.
245.	5.	0.	6.	0.	6.	0.	5.	0.	5.	0.	0.	0.	0.	0.	2.
250.	5.	0.	6.	0.	6.	0.	5.	0.	6.	0.	0.	0.	0.	0.	2.
255.	6.	0.	6.	0.	7.	0.	6.	0.	6.	0.	0.	0.	0.	0.	2.
260.	7.	0.	7.	0.	8.	0.	7.	0.	7.	1.	0.	0.	0.	0.	3.
265.	8.	1.	8.	1.	9.	0.	8.	1.	8.	1.	0.	0.	0.	0.	3.
270.	9.	2.	8.	2.	10.	0.	9.	2.	8.	2.	0.	0.	0.	0.	2.
275.	8.	3.	8.	3.	10.	2.	8.	3.	8.	4.	1.	1.	1.	1.	1.
280.	7.	5.	6.	5.	10.	3.	7.	4.	6.	5.	1.	1.	2.	1.	0.
285.	5.	6.	5.	7.	8.	5.	4.	6.	4.	6.	2.	2.	4.	2.	0.
290.	3.	7.	3.	8.	5.	6.	2.	6.	2.	6.	2.	2.	4.	2.	0.
295.	1.	7.	2.	8.	3.	7.	1.	7.	1.	6.	2.	3.	5.	3.	0.
300.	1.	7.	2.	8.	2.	8.	1.	6.	0.	6.	3.	3.	5.	3.	0.
305.	0.	6.	2.	7.	1.	8.	0.	6.	0.	6.	3.	3.	5.	3.	0.
310.	0.	6.	2.	6.	1.	8.	0.	5.	0.	5.	3.	3.	5.	4.	0.
315.	0.	5.	2.	6.	1.	7.	0.	5.	0.	5.	3.	3.	5.	4.	0.
320.	0.	5.	2.	6.	0.	7.	0.	5.	0.	5.	3.	3.	5.	4.	0.
325.	0.	4.	2.	6.	0.	6.	0.	4.	0.	5.	3.	3.	5.	4.	0.
330.	0.	4.	2.	7.	0.	6.	0.	4.	0.	4.	2.	3.	5.	4.	0.
335.	0.	4.	2.	7.	0.	6.	0.	4.	0.	4.	2.	3.	5.	4.	0.
340.	1.	4.	2.	7.	0.	5.	0.	4.	0.	4.	2.	4.	5.	3.	1.
345.	1.	4.	1.	7.	0.	5.	0.	4.	0.	4.	3.	4.	4.	3.	1.
350.	2.	5.	1.	7.	0.	5.	0.	4.	0.	4.	4.	4.	4.	3.	2.
355.	3.	5.	1.	6.	0.	5.	0.	4.	0.	4.	4.	4.	4.	3.	3.
360.	3.	5.	0.	5.	0.	5.	1.	4.	0.	4.	4.	3.	4.	3.	3.
MAX	12.	9.	11.	9.	11.	8.	10.	9.	10.	9.	5.	5.	7.	6.	7.
DEGR.	115	90	120	85	165	40	110	90	110	90	75	65	65	55	135

THE HIGHEST CONCENTRATION OF 12. ug/m**3 OCCURRED AT RECEPTOR REC1 .

JOB: 17,18,19,20 YONKERS AV PM BUILD BALLPARK RUN: PM10 EF: 0.0253 G/MI, 0.0221 G/HR

DATE : 05/31/ 0
TIME : 18:15:05

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

PM/LNK(ug/m**3)
ANGLE (DEGREES)

LINK #	REC1 115	REC2 90	REC3 120	REC4 85	REC5 165	REC6 40	REC7 110	REC8 90	REC9 110	REC10 90	REC11 75	REC12 65	REC13 65	REC14 55	REC15 135
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	1.4	0.0	0.0	0.0	0.0	0.3	2.9	0.6	3.7	0.0	0.0	0.0	0.0	0.0
5	1.5	3.0	0.6	4.3	0.0	0.0	1.0	1.2	0.8	0.6	1.0	0.5	0.0	0.0	0.7
6	0.9	0.6	1.4	0.7	1.4	1.8	0.6	0.3	0.5	0.2	0.6	0.8	1.8	1.1	0.4
7	0.2	0.1	0.2	0.1	0.0	0.3	0.1	0.1	0.1	0.0	0.1	0.2	0.6	0.3	0.1
8	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
9	0.2	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1
10	0.2	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
11	0.1	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
12	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.3	0.1	0.3	0.0	0.0	0.0	0.2	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0
16	0.3	0.2	0.3	0.2	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.3	0.1
17	0.7	0.9	1.4	1.4	2.9	1.4	0.6	0.6	0.4	0.4	1.0	1.2	1.9	1.1	0.4
18	2.8	1.3	2.4	0.9	0.0	0.0	1.4	1.2	0.8	0.8	0.3	0.1	0.0	0.0	0.9
19	0.3	0.2	1.4	0.1	0.0	0.0	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.2
20	1.5	0.0	0.0	0.0	0.0	0.0	3.3	0.4	4.2	1.2	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.8	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	1.1
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.1	0.0	0.1	0.0	0.5	0.0	0.1	0.0	0.1	0.1	0.2	0.2	0.2	0.0
34	0.0	0.1	0.0	0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.0
35	0.1	0.0	0.1	0.0	0.3	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
36	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
37	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
44	0.4	0.4	0.4	0.4	0.5	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.5	0.3
45	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.0

JOB: 17,18,19,20 YONKERS AV PM BUILD BALLPARK RUN: PM10 EF: 0.0253 G/MI, 0.0221 G/HR

PM/LNK(ug/m**3)
ANGLE (DEGREES)

LINK #	REC1 115	REC2 90	REC3 120	REC4 85	REC5 165	REC6 40	REC7 110	REC8 90	REC9 110	REC10 90	REC11 75	REC12 65	REC13 65	REC14 55	REC15 135
46	0.0	0.0	0.0	0.1	0.0	1.1	0.0	0.1	0.0	0.1	0.1	0.3	0.3	0.4	0.0
47	0.4	0.4	0.5	0.5	0.9	0.3	0.4	0.4	0.4	0.3	0.4	0.3	0.5	0.5	0.4
48	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.3	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.0	0.1
53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0
55	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
56	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
58	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.1	0.0	0.1	0.0	0.3	0.0	0.1	0.0	0.1	0.1	0.2	0.2	0.3	0.0
61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0

CAL3QHC - (DATED 95221)

CAL3QHC PC (32 BIT) VERSION 3.0.0
(C) COPYRIGHT 1993-2000, TRINITY CONSULTANTS

Run Began on 6/01/2007 at 9:15:24

JOB: 17,18,19,20 YONKERS AV PM NOBUILD RUN: PM10 EF: 0.0253 G/MI, 0.0221 G/HR

DATE : 06/01/ 0
TIME : 09:15:24

The MODE flag has been set to P for calculating PM averages.

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 108. CM
U = 1.0 M/S CLAS = 5 (E) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 ug/m**3

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	LENGTH (M)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. YONKERS@17 EB APPR	201955.2	233556.0	201705.9	233541.2	250.	267.	AG	1418.	0.0	0.0	13.3		
2. YONKERS@17 EB LEFT	202026.6	233547.1	201962.1	233560.3	66.	282.	AG	7.	0.0	0.0	9.7		
3. YONKERS@17 EB TR	202020.1	233542.7	201955.2	233556.0	66.	282.	AG	1411.	0.0	0.0	13.3		
4. YONKERS 17 TO 18 EB	202141.4	233517.0	202020.1	233542.7	124.	282.	AG	1617.	0.0	0.0	13.3		
5. YONKERS@18 EB DEPART	202194.8	233505.8	202141.4	233517.0	55.	282.	AG	2415.	0.0	0.0	13.3		
6. YONKERS@19 EB THRU	202279.3	233477.5	202194.8	233505.8	89.	289.	AG	1964.	0.0	0.0	13.3		
7. YONKERS@19 EB RIGHT	202235.6	233487.5	202193.5	233501.5	44.	288.	AG	451.	0.0	0.0	9.7		
8. YONKERS@20 EB LEFT	202347.7	233439.8	202280.6	233481.5	79.	302.	AG	518.	0.0	0.0	9.7		
9. YONKERS@20 EB THRU	202338.3	233439.4	202278.8	233476.2	70.	302.	AG	1446.	0.0	0.0	13.3		
10. YONKERS@20 EB DEPART	202459.2	233329.0	202338.3	233439.4	164.	312.	AG	1480.	0.0	0.0	13.3		
11. YONKERS@20 WB APPR	202386.3	233411.3	202462.7	233333.1	109.	136.	AG	1190.	0.0	0.0	13.3		
12. YONKERS@20 WB THRU	202343.0	233451.3	202386.3	233411.3	59.	133.	AG	966.	0.0	0.0	13.3		
13. YONKERS@20 WB RIGHT	202364.3	233439.1	202390.0	233415.2	35.	133.	AG	224.	0.0	0.0	9.7		
14. YONKERS@20 WB RIGHT	202361.8	233459.5	202364.3	233439.1	21.	173.	AG	224.	0.0	0.0	9.7		
15. YONKERS@20 WB DEPART	202290.5	233481.4	202343.0	233451.3	61.	120.	AG	2053.	0.0	0.0	13.3		
16. YONKERS@19 WB APPR	202250.1	233499.4	202290.5	233481.4	44.	114.	AG	2053.	0.0	0.0	13.3		
17. YONKERS@19 WB DEPART	202198.6	233514.7	202250.1	233499.4	54.	107.	AG	2613.	0.0	0.0	13.3		
18. YONKERS@18 WB THRU	202139.1	233527.8	202198.6	233514.7	61.	102.	AG	1804.	0.0	0.0	13.3		
19. YONKERS@18 WB RIGHT	202157.8	233528.7	202199.6	233520.0	43.	102.	AG	809.	0.0	0.0	9.7		
20. YONKERS@18 WB DEPART	202068.8	233544.8	202139.1	233527.8	72.	104.	AG	1958.	0.0	0.0	13.3		
21. YONKERS@17 WB LEFT	202022.0	233549.1	202067.5	233539.5	47.	102.	AG	223.	0.0	0.0	9.7		
22. YONKERS@17 WB TR	202023.8	233554.6	202068.8	233544.9	46.	102.	AG	1735.	0.0	0.0	13.3		
23. YONKERS@17 WB DEPART	201959.7	233566.9	202023.7	233553.8	65.	102.	AG	1708.	0.0	0.0	13.3		
24. YONKERS@17 WB DEPART	201705.8	233551.9	201959.5	233566.9	254.	87.	AG	1708.	0.0	0.0	13.3		
25. PRESCOTT NB APPR	202023.6	233542.0	202011.9	233504.5	39.	197.	AG	120.	0.0	0.0	9.7		
26. PRESCOTT NB DEPART	202031.8	233587.1	202027.4	233553.6	34.	187.	AG	50.	0.0	0.0	9.7		
27. PRESCOTT SB DEPART	202008.5	233505.5	202020.0	233542.7	39.	17.	AG	241.	0.0	0.0	9.7		
28. ASHBURTON NB DEPART	202142.4	233542.2	202157.8	233528.7	20.	131.	AG	809.	0.0	0.0	9.7		
29. ASHBURTON NB DEPART	202106.0	233719.3	202142.4	233542.2	181.	168.	AG	809.	0.0	0.0	9.7		
30. ASHBURTON NB DEPART	202127.9	233820.1	202106.0	233719.3	103.	192.	AG	809.	0.0	0.0	9.7		
31. ASHBURTON SB APPR	202141.3	233517.1	202100.2	233718.0	205.	348.	AG	827.	0.0	0.0	13.3		
32. ASHBURTON SB APPR	202100.2	233718.0	202122.1	233821.0	105.	12.	AG	827.	0.0	0.0	9.7		
33. SMRP SB RAMP SB APPR	202273.2	233521.3	202338.9	233661.0	154.	25.	AG	561.	0.0	0.0	9.7		
34. SMRP SB RAMP SB R	202254.6	233504.7	202273.1	233521.3	25.	48.	AG	561.	0.0	0.0	9.7		
35. SMRP SB RAMP SB DEP	202258.4	233451.3	202235.6	233487.5	43.	328.	AG	451.	0.0	0.0	9.7		
36. SMRP SB RAMP SB DEP	202258.7	233386.1	202258.4	233451.3	65.	360.	AG	451.	0.0	0.0	9.7		
37. SMRP SB RAMP SB DEP	202224.8	233190.8	202258.7	233386.1	198.	10.	AG	451.	0.0	0.0	9.7		
38. SMRP NB RAMP NB DEP	202386.6	233494.5	202347.7	233439.8	67.	215.	AG	742.	0.0	0.0	9.7		
39. SMRP NB RAMP NB DEP	202405.7	233555.3	202386.6	233494.5	64.	197.	AG	742.	0.0	0.0	9.7		
40. SMRP NB RAMP SB APPR	202367.6	233484.1	202398.9	233557.5	80.	23.	AG	1121.	0.0	0.0	9.7		
41. SMRP NB RAMP SB LEFT	202338.2	233439.6	202370.6	233482.4	54.	37.	AG	34.	0.0	0.0	9.7		
42. SMRP NB RAMP SB R	202343.0	233451.4	202367.3	233484.3	41.	36.	AG	1087.	0.0	0.0	9.7		
43. SMRP NB 0.0311 G/MI	202273.2	233397.8	202294.8	233258.7	141.	171.	DP	2562.	0.0	-6.0	13.3		
44. SMRP NB 0.0311 G/MI	202317.8	233567.8	202273.2	233397.8	176.	195.	DP	2562.	0.0	-6.0	13.3		

JOB: 17,18,19,20 YONKERS AV PM NOBUILD RUN: PM10 EF: 0.0253 G/MI, 0.0221 G/HR

DATE : 06/01/ 0
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LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	LENGTH (M)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
45. SMRP NB 0.0311 G/MI	202372.6	233692.0	202317.8	233567.8	136.	204.	DP	2562.	0.0	-6.0	13.3		
46. SMRP SB 0.0311 G/MI	202302.2	233552.4	202392.0	233754.6	221.	24.	DP	2880.	0.0	-6.0	13.3		
47. SMRP SB 0.0311 G/MI	202262.9	233392.4	202302.2	233552.4	165.	14.	DP	2880.	0.0	-6.0	13.3		
48. SMRP SB 0.0311 G/MI	202288.5	233254.3	202262.9	233392.4	140.	350.	DP	2880.	0.0	-6.0	13.3		
49. YONKERS@17 EB L Q	202011.2	233550.3	202010.7	233550.4	1.	284.	AG	0.	100.0	0.0	3.7	0.11	0.1
50. YONKERS@17 EB TR Q	202010.0	233544.9	201938.8	233559.6	73.	282.	AG	0.	100.0	0.0	7.3	0.93	12.1
51. YONKERS@17 WB L Q	202032.2	233547.0	202044.6	233544.4	13.	102.	AG	0.	100.0	0.0	3.7	0.23	2.1
52. YONKERS@17 WB TR Q	202033.5	233552.5	202093.4	233539.6	61.	102.	AG	0.	100.0	0.0	7.3	0.91	10.2
53. PRESCOTT NB QUEUE	202021.6	233535.5	202017.2	233521.8	14.	198.	AG	0.	100.0	0.0	4.6	0.32	2.4
54. YONKERS@18 EB THRU Q	202121.2	233521.4	202064.3	233533.4	58.	282.	AG	0.	100.0	0.0	7.3	0.88	9.7
55. YONKERS@18 WB THRU Q	202156.5	233524.1	202247.6	233503.7	93.	103.	AG	0.	100.0	0.0	7.3	0.99	15.6
56. YONKERS@18 WB R Q	202157.8	233528.8	202274.7	233503.9	119.	102.	AG	0.	100.0	0.0	3.7	1.01	19.9
57. ASHBURTON SB QUEUE	202137.1	233537.3	202124.9	233597.1	61.	348.	AG	0.	100.0	0.0	7.3	0.92	10.2
58. YONKERS@20 EB L Q	202330.8	233450.5	202313.1	233461.3	21.	302.	AG	0.	100.0	0.0	3.7	0.40	3.5
59. YONKERS@20 EB THRU Q	202327.6	233445.9	202303.0	233461.1	29.	302.	AG	0.	100.0	0.0	7.3	0.58	4.8
60. YONKERS@20 WB THRU Q	202357.2	233438.3	202384.9	233412.5	38.	133.	AG	0.	100.0	0.0	7.3	0.57	6.3
61. YONKERS@20 WB R Q	202364.4	233439.0	202372.3	233431.6	11.	133.	AG	0.	100.0	0.0	3.7	0.21	1.8
62. SMRP NB RAMP SB L Q	202350.5	233455.3	202353.3	233459.0	5.	37.	AG	0.	100.0	0.0	3.7	0.13	0.8
63. SMRP NB RAMP SB R Q	202347.6	233457.6	202387.4	233511.1	67.	37.	AG	0.	100.0	0.0	7.3	0.91	11.1

JOB: 17,18,19,20 YONKERS AV PM NOBUILD RUN: PM10 EF: 0.0253 G/MI, 0.0221 G/HR

DATE : 06/01/ 0
TIME : 09:15:24

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
49. YONKERS@17 EB L Q	*	100	47	2.0	7	130	0.02	1	3
50. YONKERS@17 EB TR Q	*	100	47	2.0	1411	1547	0.02	1	3
51. YONKERS@17 WB L Q	*	100	34	2.0	223	1545	0.02	1	3
52. YONKERS@17 WB TR Q	*	100	34	2.0	1735	1545	0.02	1	3
53. PRESCOTT NB QUEUE	*	100	72	2.0	120	1583	0.02	1	3
54. YONKERS@18 EB THRU Q	*	100	37	2.0	1617	1551	0.02	1	3
55. YONKERS@18 WB THRU Q	*	100	37	2.0	1804	1551	0.02	1	3
56. YONKERS@18 WB R Q	*	100	37	2.0	809	1356	0.02	1	3
57. ASHBURTON SB QUEUE	*	100	67	2.0	827	1542	0.02	1	3
58. YONKERS@20 EB L Q	*	100	24	2.0	518	1805	0.02	1	3
59. YONKERS@20 EB THRU Q	*	100	24	2.0	1446	1723	0.02	1	3
60. YONKERS@20 WB THRU Q	*	100	47	2.0	966	1723	0.02	1	3
61. YONKERS@20 WB R Q	*	100	29	2.0	224	1615	0.02	1	3
62. SMRP NB RAMP SB L Q	*	100	82	2.0	34	1805	0.02	1	3
63. SMRP NB RAMP SB R Q	*	100	59	2.0	1087	1615	0.02	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z	*
1. 18 NW CORNER	*	202128.6	233537.7	1.8	*
2. 18 SW CORNER	*	202125.4	233513.1	1.8	*
3. 18 NE CORNER	*	202159.8	233533.8	1.8	*
4. 18 SE CORNER	*	202152.9	233507.3	1.8	*
5. 19 NW CORNER	*	202242.8	233509.7	1.8	*
6. 19 SW CORNER	*	202232.4	233482.9	1.8	*
7. 18 NW	*	202099.9	233544.5	1.8	*
8. 18 SW	*	202096.0	233519.1	1.8	*
9. 18 NW	*	202070.2	233551.7	1.8	*
10. 18 SW	*	202064.8	233526.1	1.8	*
11. 18 FRONT OF BLDG	*	202136.7	233490.0	1.8	*
12. 18 FRONT OF BLDG	*	202157.9	233483.1	1.8	*
13. 18 FRONT OF BLDG	*	202190.5	233491.2	1.8	*
14. 18 FRONT OF BLDG	*	202202.1	233473.1	1.8	*
15. ASHBURTON NW	*	202121.9	233575.7	1.8	*

JOB: 17,18,19,20 YONKERS AV PM NOBUILD RUN: PM10 EF: 0.0253 G/MI, 0.0221 G/HR

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 5.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (ug/m**3) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15
5.	3.	3.	0.	2.	0.	2.	1.	2.	0.	2.	2.	1.	2.	1.	3.
10.	2.	3.	0.	2.	0.	2.	1.	3.	0.	2.	2.	1.	2.	1.	2.
15.	2.	3.	0.	2.	0.	2.	1.	2.	1.	2.	2.	1.	2.	1.	2.
20.	2.	3.	0.	2.	0.	3.	1.	2.	1.	2.	2.	1.	2.	1.	2.
25.	2.	3.	0.	2.	1.	3.	1.	2.	0.	2.	1.	1.	2.	2.	2.
30.	2.	3.	0.	2.	2.	4.	1.	2.	0.	2.	1.	1.	2.	2.	2.
35.	2.	2.	0.	2.	2.	5.	1.	2.	0.	2.	1.	2.	3.	3.	2.
40.	2.	3.	0.	3.	3.	5.	1.	2.	0.	2.	2.	2.	3.	3.	2.
45.	2.	3.	0.	3.	3.	5.	1.	3.	0.	2.	2.	2.	3.	3.	2.
50.	2.	3.	1.	3.	3.	5.	1.	3.	1.	3.	2.	3.	4.	3.	2.
55.	2.	4.	1.	4.	3.	5.	1.	3.	1.	3.	2.	3.	4.	3.	2.
60.	2.	4.	1.	4.	3.	4.	1.	4.	1.	3.	3.	3.	4.	3.	2.
65.	3.	4.	1.	4.	2.	4.	2.	4.	1.	3.	3.	3.	4.	3.	2.
70.	3.	4.	1.	4.	2.	4.	2.	4.	1.	4.	3.	3.	4.	3.	2.
75.	2.	4.	1.	4.	2.	4.	2.	4.	1.	4.	3.	3.	4.	3.	3.
80.	2.	4.	1.	4.	3.	4.	2.	4.	2.	4.	3.	3.	3.	3.	2.
85.	3.	5.	1.	5.	2.	4.	2.	4.	2.	4.	3.	2.	3.	3.	2.
90.	3.	4.	1.	5.	2.	5.	2.	5.	2.	4.	2.	2.	4.	3.	2.
95.	4.	4.	2.	5.	3.	4.	3.	4.	3.	4.	2.	2.	3.	2.	2.
100.	4.	4.	3.	4.	3.	4.	4.	4.	3.	4.	2.	2.	3.	2.	3.
105.	5.	3.	4.	4.	3.	4.	4.	3.	4.	3.	2.	2.	3.	2.	3.
110.	6.	2.	4.	3.	4.	4.	5.	2.	5.	2.	2.	2.	2.	2.	3.
115.	6.	2.	5.	2.	5.	3.	5.	2.	5.	2.	1.	1.	2.	2.	4.
120.	6.	2.	5.	2.	5.	3.	5.	1.	4.	1.	1.	1.	2.	2.	4.
125.	5.	1.	5.	1.	6.	3.	4.	1.	4.	1.	1.	1.	2.	2.	4.
130.	5.	1.	5.	1.	6.	3.	4.	1.	4.	1.	1.	1.	1.	1.	4.
135.	4.	1.	4.	2.	5.	3.	3.	1.	3.	1.	1.	1.	2.	2.	4.
140.	4.	1.	4.	2.	5.	3.	3.	1.	3.	1.	1.	1.	2.	2.	5.
145.	4.	1.	4.	1.	4.	3.	3.	1.	3.	0.	1.	1.	2.	2.	4.
150.	4.	1.	4.	1.	5.	3.	2.	0.	2.	0.	1.	1.	2.	2.	4.
155.	3.	0.	4.	1.	6.	4.	2.	0.	2.	0.	0.	1.	2.	2.	4.
160.	3.	0.	3.	1.	7.	4.	2.	0.	2.	0.	0.	0.	1.	1.	3.
165.	2.	0.	3.	0.	8.	4.	2.	0.	2.	0.	0.	0.	1.	1.	2.
170.	2.	0.	2.	0.	8.	3.	2.	0.	2.	0.	0.	0.	0.	0.	2.
175.	2.	0.	2.	0.	7.	2.	2.	0.	2.	0.	0.	0.	0.	0.	1.
180.	2.	0.	2.	0.	5.	1.	2.	0.	2.	0.	0.	0.	0.	0.	1.
185.	2.	0.	2.	0.	3.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
190.	2.	0.	2.	0.	3.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
195.	2.	0.	2.	0.	2.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
200.	2.	0.	2.	0.	2.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
205.	2.	0.	2.	0.	2.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
210.	2.	0.	2.	0.	2.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.

JOB: 17,18,19,20 YONKERS AV PM NOBUILD RUN: PM10 EF: 0.0253 G/MI, 0.0221 G/HR

WIND ANGLE (DEGR)	* CONCENTRATION (ug/m**3) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15
215.	2.	0.	2.	0.	2.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
220.	2.	0.	2.	0.	2.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
225.	2.	0.	3.	0.	2.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
230.	2.	0.	3.	0.	2.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
235.	2.	0.	3.	0.	2.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
240.	2.	0.	3.	0.	3.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
245.	2.	0.	3.	0.	3.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
250.	2.	0.	3.	0.	3.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
255.	2.	0.	3.	0.	3.	0.	3.	0.	3.	0.	0.	0.	0.	0.	1.
260.	3.	0.	4.	0.	4.	0.	3.	0.	3.	0.	0.	0.	0.	0.	1.
265.	3.	0.	4.	0.	4.	0.	3.	0.	4.	1.	0.	0.	0.	0.	1.
270.	4.	1.	4.	1.	5.	0.	4.	1.	4.	1.	0.	0.	0.	0.	1.
275.	4.	1.	4.	1.	5.	1.	4.	1.	3.	2.	0.	0.	0.	0.	0.
280.	3.	2.	4.	2.	5.	1.	3.	2.	2.	2.	1.	0.	1.	0.	0.
285.	2.	3.	3.	3.	4.	2.	2.	2.	2.	3.	1.	1.	2.	1.	0.
290.	1.	3.	2.	4.	2.	3.	1.	3.	1.	3.	1.	1.	2.	1.	0.
295.	0.	3.	2.	4.	2.	3.	1.	3.	0.	3.	1.	1.	2.	1.	0.
300.	0.	3.	2.	3.	1.	4.	0.	3.	0.	2.	1.	1.	2.	1.	0.
305.	0.	3.	2.	3.	1.	4.	0.	3.	0.	2.	1.	1.	2.	1.	0.
310.	0.	2.	2.	3.	1.	4.	0.	2.	0.	2.	1.	1.	3.	2.	0.
315.	0.	2.	2.	3.	1.	4.	0.	2.	0.	2.	1.	1.	3.	2.	0.
320.	0.	2.	2.	3.	1.	3.	0.	2.	0.	2.	1.	1.	3.	2.	0.
325.	0.	2.	2.	3.	1.	3.	0.	2.	0.	2.	1.	1.	3.	2.	0.
330.	0.	2.	2.	4.	1.	3.	0.	2.	0.	2.	1.	2.	3.	2.	0.
335.	0.	2.	2.	4.	0.	3.	0.	2.	0.	2.	1.	2.	3.	2.	0.
340.	1.	2.	2.	4.	0.	3.	0.	2.	0.	2.	1.	2.	2.	2.	1.
345.	1.	2.	1.	4.	0.	3.	0.	2.	0.	2.	2.	3.	2.	2.	1.
350.	2.	3.	1.	4.	0.	2.	0.	2.	0.	2.	2.	3.	2.	2.	2.
355.	2.	3.	0.	3.	0.	2.	0.	2.	0.	2.	3.	2.	2.	1.	3.
360.	3.	3.	0.	3.	0.	2.	1.	2.	0.	2.	3.	2.	2.	1.	3.
MAX	6.	5.	5.	5.	8.	5.	5.	5.	5.	4.	3.	3.	4.	3.	5.
DEGR.	110	85	115	90	165	40	115	90	110	90	360	70	55	45	140

THE HIGHEST CONCENTRATION OF 8. ug/m**3 OCCURRED AT RECEPTOR REC5 .

JOB: 17,18,19,20 YONKERS AV PM NOBUILD RUN: PM10 EF: 0.0253 G/MI, 0.0221 G/HR

DATE : 06/01/ 0
TIME : 09:15:24

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

PM/LNK(ug/m**3)
ANGLE (DEGREES)

LINK #	REC1 110	REC2 85	REC3 115	REC4 90	REC5 165	REC6 40	REC7 115	REC8 90	REC9 110	REC10 90	REC11 360	REC12 70	REC13 55	REC14 45	REC15 140
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.7	0.0	0.0	0.0	0.0	0.2	1.3	0.3	1.6	0.4	0.0	0.0	0.0	0.0
5	0.5	1.3	0.1	1.9	0.0	0.0	0.6	0.6	0.4	0.3	0.1	0.1	0.0	0.0	0.4
6	0.4	0.1	0.6	0.5	0.7	0.9	0.3	0.2	0.2	0.1	0.0	0.5	0.8	0.5	0.1
7	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.0
8	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
10	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.1	0.0	0.2	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
16	0.2	0.0	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0
17	0.4	0.3	0.7	0.7	1.3	0.6	0.2	0.3	0.2	0.2	0.0	0.6	0.8	0.6	0.1
18	1.1	0.7	0.8	0.2	0.0	0.0	0.5	0.5	0.3	0.3	0.2	0.0	0.0	0.0	0.4
19	0.2	0.2	0.8	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1
20	0.5	0.0	0.0	0.0	0.0	0.0	1.6	0.2	1.7	0.5	0.3	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.4	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.2
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.6
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
31	0.8	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.9	0.0	0.0	0.0	1.2
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
33	0.0	0.1	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.0
34	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0
35	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
44	0.4	0.4	0.4	0.4	0.5	0.3	0.3	0.3	0.3	0.3	0.0	0.4	0.2	0.2	0.2
45	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.6	0.0

JOB: 17,18,19,20 YONKERS AV PM NOBUILD RUN: PM10 EF: 0.0253 G/MI, 0.0221 G/HR

PM/LNK(ug/m**3)
ANGLE (DEGREES)

LINK #	REC1 110	REC2 85	REC3 115	REC4 90	REC5 165	REC6 40	REC7 115	REC8 90	REC9 110	REC10 90	REC11 360	REC12 70	REC13 55	REC14 45	REC15 140
46	0.0	0.1	0.0	0.0	0.0	1.1	0.0	0.1	0.0	0.1	0.0	0.2	0.7	0.8	0.0
47	0.4	0.4	0.5	0.5	0.9	0.3	0.4	0.4	0.4	0.3	0.0	0.4	0.2	0.2	0.3
48	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0
55	0.1	0.1	0.2	0.1	0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0
56	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.4
58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL3QHC PC (32 BIT) VERSION 3.0.0
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Run Began on 6/01/2007 at 9:25:23

JOB: 17,18,19,20 YONKERS AV PM BUILD BALLPARK RUN: PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR

DATE : 06/01/ 0
TIME : 09:25:23

The MODE flag has been set to P for calculating PM averages.

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 108. CM
U = 1.0 M/S CLAS = 5 (E) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 ug/m**3

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	LENGTH (M)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. YONKERS@17 EB APPR	201955.2	233556.0	201705.9	233541.2	250.	267.	AG	1902.	0.0	0.0	13.3		
2. YONKERS@17 EB LEFT	202026.6	233547.1	201962.1	233560.3	66.	282.	AG	7.	0.0	0.0	9.7		
3. YONKERS@17 EB TR	202020.1	233542.7	201955.2	233556.0	66.	282.	AG	1895.	0.0	0.0	13.3		
4. YONKERS 17 TO 18 EB	202141.4	233517.0	202020.1	233542.7	124.	282.	AG	2101.	0.0	0.0	13.3		
5. YONKERS@18 EB DEPART	202194.8	233505.8	202141.4	233517.0	55.	282.	AG	2899.	0.0	0.0	13.3		
6. YONKERS@19 EB THRU	202279.3	233477.5	202194.8	233505.8	89.	289.	AG	2216.	0.0	0.0	13.3		
7. YONKERS@19 EB RIGHT	202235.6	233487.5	202193.5	233501.5	44.	288.	AG	683.	0.0	0.0	9.7		
8. YONKERS@20 EB LEFT	202347.7	233439.8	202280.6	233481.5	79.	302.	AG	623.	0.0	0.0	9.7		
9. YONKERS@20 EB THRU	202338.3	233439.4	202278.8	233476.2	70.	302.	AG	1593.	0.0	0.0	13.3		
10. YONKERS@20 EB DEPART	202459.2	233329.0	202338.3	233439.4	164.	312.	AG	1627.	0.0	0.0	13.3		
11. YONKERS@20 WB APPR	202386.3	233411.3	202462.7	233333.1	109.	136.	AG	1363.	0.0	0.0	13.3		
12. YONKERS@20 WB THRU	202343.0	233451.3	202386.3	233411.3	59.	133.	AG	1139.	0.0	0.0	13.3		
13. YONKERS@20 WB RIGHT	202364.3	233439.1	202390.0	233415.2	35.	133.	AG	224.	0.0	0.0	9.7		
14. YONKERS@20 WB RIGHT	202361.8	233459.5	202364.3	233439.1	21.	173.	AG	224.	0.0	0.0	9.7		
15. YONKERS@20 WB DEPART	202290.5	233481.4	202343.0	233451.3	61.	120.	AG	2528.	0.0	0.0	13.3		
16. YONKERS@19 WB APPR	202250.1	233499.4	202290.5	233481.4	44.	114.	AG	2528.	0.0	0.0	13.3		
17. YONKERS@19 WB DEPART	202198.6	233514.7	202250.1	233499.4	54.	107.	AG	3301.	0.0	0.0	13.3		
18. YONKERS@18 WB THRU	202139.1	233527.8	202198.6	233514.7	61.	102.	AG	2492.	0.0	0.0	13.3		
19. YONKERS@18 WB RIGHT	202157.8	233528.7	202199.6	233520.0	43.	102.	AG	809.	0.0	0.0	9.7		
20. YONKERS@18 WB DEPART	202068.8	233544.8	202139.1	233527.8	72.	104.	AG	2646.	0.0	0.0	13.3		
21. YONKERS@17 WB LEFT	202022.0	233549.1	202067.5	233539.5	47.	102.	AG	223.	0.0	0.0	9.7		
22. YONKERS@17 WB TR	202023.8	233554.6	202068.8	233544.9	46.	102.	AG	2423.	0.0	0.0	13.3		
23. YONKERS@17 WB DEPART	201959.7	233566.9	202023.7	233553.8	65.	102.	AG	2396.	0.0	0.0	13.3		
24. YONKERS@17 WB DEPART	201705.8	233551.9	201959.5	233566.9	254.	87.	AG	2396.	0.0	0.0	13.3		
25. PRESCOTT NB APPR	202023.6	233542.0	202011.9	233504.5	39.	197.	AG	120.	0.0	0.0	9.7		
26. PRESCOTT NB DEPART	202031.8	233587.1	202027.4	233553.6	34.	187.	AG	50.	0.0	0.0	9.7		
27. PRESCOTT SB DEPART	202008.5	233505.5	202020.0	233542.7	39.	17.	AG	241.	0.0	0.0	9.7		
28. ASHBURTON NB DEPART	202142.4	233542.2	202157.8	233528.7	20.	131.	AG	809.	0.0	0.0	9.7		
29. ASHBURTON NB DEPART	202106.0	233719.3	202142.4	233542.2	181.	168.	AG	809.	0.0	0.0	9.7		
30. ASHBURTON NB DEPART	202127.9	233820.1	202106.0	233719.3	103.	192.	AG	809.	0.0	0.0	9.7		
31. ASHBURTON SB APPR	202141.3	233517.1	202100.2	233718.0	205.	348.	AG	827.	0.0	0.0	13.3		
32. ASHBURTON SB APPR	202100.2	233718.0	202122.1	233821.0	105.	12.	AG	827.	0.0	0.0	9.7		
33. SMRP SB RAMP SB APPR	202273.2	233521.3	202338.9	233661.0	154.	25.	AG	773.	0.0	0.0	13.3		
34. SMRP SB RAMP SB R	202254.6	233504.7	202273.1	233521.3	25.	48.	AG	773.	0.0	0.0	13.3		
35. SMRP SB RAMP SB DEP	202258.4	233451.3	202235.6	233487.5	43.	328.	AG	683.	0.0	0.0	9.7		
36. SMRP SB RAMP SB DEP	202258.7	233386.1	202258.4	233451.3	65.	360.	AG	683.	0.0	0.0	9.7		
37. SMRP SB RAMP SB DEP	202224.8	233190.8	202258.7	233386.1	198.	10.	AG	683.	0.0	0.0	9.7		
38. SMRP NB RAMP NB DEP	202386.6	233494.5	202347.7	233439.8	67.	215.	AG	847.	0.0	0.0	9.7		
39. SMRP NB RAMP NB DEP	202405.7	233555.3	202386.6	233494.5	64.	197.	AG	847.	0.0	0.0	9.7		
40. SMRP NB RAMP SB APPR	202367.6	233484.1	202398.9	233557.5	80.	23.	AG	1423.	0.0	0.0	9.7		
41. SMRP NB RAMP SB LEFT	202338.2	233439.6	202370.6	233482.4	54.	37.	AG	34.	0.0	0.0	9.7		
42. SMRP NB RAMP SB R	202343.0	233451.4	202367.3	233484.3	41.	36.	AG	1389.	0.0	0.0	9.7		
43. SMRP NB 0.0189 G/MI	202273.2	233397.8	202294.8	233258.7	141.	171.	DP	2562.	0.0	-6.0	13.3		
44. SMRP NB 0.0189 G/MI	202317.8	233567.8	202273.2	233397.8	176.	195.	DP	2562.	0.0	-6.0	13.3		

JOB: 17,18,19,20 YONKERS AV PM BUILD BALLPARK RUN: PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR

DATE : 06/01/ 0
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LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	LENGTH (M)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
45. SMRP NB 0.0189 G/MI	202372.6	233692.0	202317.8	233567.8	136.	204.	DP	2562.	0.0	-6.0	13.3		
46. SMRP SB 0.0189 G/MI	202302.2	233552.4	202392.0	233754.6	221.	24.	DP	2880.	0.0	-6.0	13.3		
47. SMRP SB 0.0189 G/MI	202262.9	233392.4	202302.2	233552.4	165.	14.	DP	2880.	0.0	-6.0	13.3		
48. SMRP SB 0.0189 G/MI	202288.5	233254.3	202262.9	233392.4	140.	350.	DP	2880.	0.0	-6.0	13.3		
49. YONKERS@17 EB L Q	202011.2	233550.3	202010.7	233550.4	0.	279.	AG	0.	100.0	0.0	3.7	0.10	0.1
50. YONKERS@17 EB TR Q	202010.0	233544.9	201844.0	233579.1	170.	282.	AG	0.	100.0	0.0	7.3	1.02	28.3
51. YONKERS@17 WB L Q	202032.2	233547.0	202042.8	233544.8	11.	102.	AG	0.	100.0	0.0	3.7	0.19	1.8
52. YONKERS@17 WB TR Q	202033.5	233552.5	202318.6	233491.0	292.	102.	AG	0.	100.0	0.0	7.3	1.05	48.6
53. PRESCOTT NB QUEUE	202021.6	233535.5	202017.0	233520.8	15.	198.	AG	0.	100.0	0.0	4.6	0.36	2.6
54. YONKERS@18 EB THRU Q	202121.2	233521.4	202041.4	233538.2	82.	282.	AG	0.	100.0	0.0	7.3	0.95	13.6
55. YONKERS@18 WB THRU Q	202156.5	233524.1	202697.5	233403.1	554.	103.	AG	0.	100.0	0.0	7.3	1.13	92.4
56. YONKERS@18 WB R Q	202157.8	233528.8	202202.4	233519.3	46.	102.	AG	0.	100.0	0.0	3.7	0.84	7.6
57. ASHBURTON SB QUEUE	202137.1	233537.3	202120.0	233621.4	86.	348.	AG	0.	100.0	0.0	7.3	1.00	14.3
58. YONKERS@19 EB THRU Q	202246.3	233488.6	202186.7	233508.5	63.	288.	AG	0.	100.0	0.0	7.3	0.92	10.5
59. YONKERS@19 WB THRU Q	202250.1	233499.5	202508.2	233383.4	283.	114.	AG	0.	100.0	0.0	7.3	1.05	47.2
60. SMRP SB RAMP SB R Q	202257.3	233507.0	202610.1	233822.0	473.	48.	AG	0.	100.0	0.0	7.3	1.50	78.8
61. YONKERS@20 EB L Q	202330.8	233450.5	202309.6	233463.5	25.	302.	AG	0.	100.0	0.0	3.7	0.48	4.2
62. YONKERS@20 EB THRU Q	202327.6	233445.9	202300.5	233462.7	32.	302.	AG	0.	100.0	0.0	7.3	0.64	5.3
63. YONKERS@20 WB THRU Q	202357.2	233438.3	202389.8	233407.9	45.	133.	AG	0.	100.0	0.0	7.3	0.67	7.4
64. YONKERS@20 WB R Q	202364.4	233439.0	202372.3	233431.6	11.	133.	AG	0.	100.0	0.0	3.7	0.21	1.8
65. SMRP NB RAMP SB L Q	202350.5	233455.3	202353.3	233459.0	5.	37.	AG	0.	100.0	0.0	3.7	0.13	0.8
66. SMRP NB RAMP SB R Q	202347.6	233457.6	202710.7	233945.3	608.	37.	AG	0.	100.0	0.0	7.3	1.31	101.3

JOB: 17,18,19,20 YONKERS AV PM BUILD BALLPARK RUN: PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR

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ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
49. YONKERS@17 EB L Q	*	100	42	2.0	7	132	0.02	1	3
50. YONKERS@17 EB TR Q	*	100	42	2.0	1895	1720	0.02	1	3
51. YONKERS@17 WB L Q	*	100	29	2.0	223	1718	0.02	1	3
52. YONKERS@17 WB TR Q	*	100	29	2.0	2423	1719	0.02	1	3
53. PRESCOTT NB QUEUE	*	100	77	2.0	120	1747	0.02	1	3
54. YONKERS@18 EB THRU Q	*	100	32	2.0	2101	1723	0.02	1	3
55. YONKERS@18 WB THRU Q	*	100	32	2.0	2492	1723	0.02	1	3
56. YONKERS@18 WB R Q	*	100	32	2.0	809	1509	0.02	1	3
57. ASHBURTON SB QUEUE	*	100	72	2.0	827	1713	0.02	1	3
58. YONKERS@19 EB THRU Q	*	100	26	2.0	2216	1723	0.02	1	3
59. YONKERS@19 WB THRU Q	*	100	26	2.0	2528	1723	0.02	1	3
60. SMRP SB RAMP SB R Q	*	100	78	2.0	773	1430	0.02	1	3
61. YONKERS@20 EB L Q	*	100	24	2.0	623	1805	0.02	1	3
62. YONKERS@20 EB THRU Q	*	100	24	2.0	1593	1723	0.02	1	3
63. YONKERS@20 WB THRU Q	*	100	47	2.0	1139	1723	0.02	1	3
64. YONKERS@20 WB R Q	*	100	29	2.0	224	1615	0.02	1	3
65. SMRP NB RAMP SB L Q	*	100	82	2.0	34	1805	0.02	1	3
66. SMRP NB RAMP SB R Q	*	100	59	2.0	1389	1430	0.02	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z	*
1. 18 NW CORNER	*	202128.6	233537.7	1.8	*
2. 18 SW CORNER	*	202125.4	233513.1	1.8	*
3. 18 NE CORNER	*	202159.8	233533.8	1.8	*
4. 18 SE CORNER	*	202152.9	233507.3	1.8	*
5. 19 NW CORNER	*	202242.8	233509.7	1.8	*
6. 19 SW CORNER	*	202232.4	233482.9	1.8	*
7. 18 NW	*	202099.9	233544.5	1.8	*
8. 18 SW	*	202096.0	233519.1	1.8	*
9. 18 NW	*	202070.2	233551.7	1.8	*
10. 18 SW	*	202064.8	233526.1	1.8	*
11. 18 FRONT OF BLDG	*	202136.7	233490.0	1.8	*
12. 18 FRONT OF BLDG	*	202157.9	233483.1	1.8	*
13. 18 FRONT OF BLDG	*	202190.5	233491.2	1.8	*
14. 18 FRONT OF BLDG	*	202202.1	233473.1	1.8	*
15. ASHBURTON NW	*	202121.9	233575.7	1.8	*

JOB: 17,18,19,20 YONKERS AV PM BUILD BALLPARK RUN: PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 5.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (ug/m**3) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15
5.	2.	3.	0.	3.	0.	3.	1.	3.	0.	2.	2.	1.	2.	2.	2.
10.	2.	3.	0.	3.	0.	3.	1.	3.	0.	3.	2.	1.	2.	2.	2.
15.	1.	3.	0.	3.	0.	3.	1.	3.	0.	2.	2.	1.	2.	2.	2.
20.	1.	3.	0.	3.	0.	3.	1.	3.	0.	2.	1.	1.	2.	2.	1.
25.	1.	3.	0.	3.	0.	3.	1.	3.	0.	2.	2.	1.	2.	2.	1.
30.	1.	3.	0.	3.	1.	4.	0.	3.	0.	2.	2.	1.	2.	2.	1.
35.	1.	3.	0.	3.	2.	5.	0.	3.	0.	2.	2.	2.	3.	2.	1.
40.	1.	3.	0.	3.	2.	5.	1.	3.	0.	2.	2.	2.	3.	3.	1.
45.	1.	3.	0.	3.	2.	5.	1.	3.	0.	3.	2.	2.	4.	3.	1.
50.	1.	3.	0.	4.	2.	5.	1.	3.	0.	3.	2.	2.	4.	3.	1.
55.	2.	4.	1.	4.	2.	5.	1.	3.	1.	3.	3.	3.	4.	3.	1.
60.	2.	4.	1.	4.	2.	4.	1.	4.	1.	3.	3.	3.	4.	3.	1.
65.	2.	4.	1.	4.	2.	4.	1.	4.	1.	4.	3.	3.	4.	3.	1.
70.	2.	4.	1.	4.	2.	4.	1.	4.	1.	4.	3.	3.	4.	3.	2.
75.	2.	4.	1.	5.	2.	4.	1.	4.	1.	4.	3.	3.	4.	3.	2.
80.	2.	5.	1.	5.	2.	4.	1.	4.	1.	4.	3.	2.	4.	2.	2.
85.	2.	5.	1.	5.	2.	4.	1.	5.	1.	5.	2.	2.	4.	2.	2.
90.	2.	5.	1.	5.	2.	4.	2.	5.	2.	5.	2.	2.	3.	2.	2.
95.	3.	5.	2.	5.	2.	4.	3.	5.	2.	5.	2.	2.	4.	2.	2.
100.	4.	4.	2.	5.	3.	4.	4.	4.	3.	4.	2.	2.	3.	2.	2.
105.	5.	4.	3.	4.	3.	4.	5.	3.	5.	3.	1.	1.	3.	2.	2.
110.	6.	2.	5.	3.	4.	3.	6.	2.	5.	2.	1.	1.	2.	2.	2.
115.	6.	2.	6.	2.	5.	3.	6.	1.	6.	1.	1.	1.	2.	1.	3.
120.	6.	1.	7.	1.	6.	2.	5.	1.	5.	1.	1.	1.	1.	1.	3.
125.	5.	1.	6.	1.	6.	2.	5.	1.	4.	1.	1.	1.	1.	1.	4.
130.	5.	1.	5.	1.	6.	2.	4.	1.	4.	1.	1.	1.	1.	1.	4.
135.	4.	1.	5.	1.	6.	2.	4.	1.	4.	1.	1.	1.	1.	1.	4.
140.	4.	1.	4.	1.	5.	2.	4.	1.	3.	1.	1.	1.	1.	1.	3.
145.	4.	1.	4.	1.	5.	2.	3.	1.	3.	0.	1.	1.	1.	1.	3.
150.	4.	1.	4.	1.	5.	2.	3.	0.	3.	0.	0.	1.	1.	1.	3.
155.	3.	0.	4.	1.	5.	2.	3.	0.	2.	0.	0.	0.	1.	1.	3.
160.	3.	0.	4.	0.	6.	3.	2.	0.	2.	0.	0.	0.	1.	1.	2.
165.	2.	0.	3.	0.	6.	3.	2.	0.	2.	0.	0.	0.	0.	0.	2.
170.	2.	0.	3.	0.	6.	2.	2.	0.	2.	0.	0.	0.	0.	0.	2.
175.	2.	0.	3.	0.	6.	1.	2.	0.	2.	0.	0.	0.	0.	0.	1.
180.	2.	0.	3.	0.	4.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
185.	2.	0.	3.	0.	3.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
190.	2.	0.	3.	0.	3.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
195.	2.	0.	3.	0.	3.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
200.	2.	0.	2.	0.	3.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
205.	2.	0.	3.	0.	3.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
210.	2.	0.	3.	0.	3.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.

JOB: 17,18,19,20 YONKERS AV PM BUILD BALLPARK RUN: PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR

WIND ANGLE (DEGR)	* CONCENTRATION (ug/m**3) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15
215.	2.	0.	3.	0.	3.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
220.	2.	0.	3.	0.	3.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
225.	2.	0.	3.	0.	3.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
230.	2.	0.	3.	0.	3.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
235.	3.	0.	3.	0.	3.	0.	3.	0.	3.	0.	0.	0.	0.	0.	1.
240.	3.	0.	3.	0.	4.	0.	3.	0.	3.	0.	0.	0.	0.	0.	1.
245.	3.	0.	3.	0.	4.	0.	3.	0.	3.	0.	0.	0.	0.	0.	1.
250.	3.	0.	3.	0.	4.	0.	3.	0.	3.	0.	0.	0.	0.	0.	1.
255.	3.	0.	4.	0.	4.	0.	3.	0.	3.	0.	0.	0.	0.	0.	1.
260.	4.	0.	4.	0.	5.	0.	4.	0.	4.	0.	0.	0.	0.	0.	2.
265.	4.	0.	5.	0.	5.	0.	5.	0.	4.	0.	0.	0.	0.	0.	2.
270.	5.	1.	5.	1.	6.	0.	5.	1.	5.	1.	0.	0.	0.	0.	1.
275.	5.	2.	4.	2.	6.	1.	5.	2.	4.	2.	0.	0.	1.	0.	0.
280.	4.	3.	4.	3.	6.	2.	4.	3.	3.	3.	1.	1.	1.	1.	0.
285.	3.	4.	3.	4.	4.	3.	2.	3.	2.	3.	1.	1.	2.	1.	0.
290.	2.	4.	2.	4.	3.	3.	1.	4.	1.	4.	1.	1.	2.	1.	0.
295.	1.	4.	1.	4.	1.	4.	1.	4.	1.	4.	2.	1.	3.	2.	0.
300.	0.	4.	1.	4.	1.	4.	0.	4.	0.	3.	2.	2.	3.	2.	0.
305.	0.	4.	1.	4.	1.	4.	0.	4.	0.	3.	2.	2.	3.	2.	0.
310.	0.	3.	1.	4.	0.	4.	0.	3.	0.	3.	2.	1.	3.	2.	0.
315.	0.	3.	1.	4.	0.	4.	0.	3.	0.	3.	2.	1.	3.	2.	0.
320.	0.	3.	1.	4.	0.	4.	0.	3.	0.	3.	2.	1.	3.	2.	0.
325.	0.	3.	1.	4.	0.	4.	0.	3.	0.	3.	2.	2.	3.	2.	0.
330.	0.	3.	1.	4.	0.	4.	0.	2.	0.	2.	1.	2.	3.	2.	0.
335.	0.	2.	1.	4.	0.	3.	0.	2.	0.	2.	1.	2.	3.	2.	0.
340.	0.	2.	1.	4.	0.	3.	0.	2.	0.	2.	2.	2.	3.	2.	0.
345.	1.	2.	1.	4.	0.	3.	0.	2.	0.	2.	2.	2.	3.	2.	1.
350.	1.	3.	0.	4.	0.	3.	0.	2.	0.	2.	2.	2.	2.	2.	1.
355.	2.	3.	0.	3.	0.	3.	0.	2.	0.	2.	2.	2.	2.	2.	2.
360.	2.	3.	0.	3.	0.	3.	0.	2.	0.	2.	2.	2.	2.	2.	2.
MAX	6.	5.	7.	5.	6.	5.	6.	5.	6.	5.	3.	3.	4.	3.	4.
DEGR.	115	85	120	85	170	50	115	85	115	90	75	60	65	50	130

THE HIGHEST CONCENTRATION OF 7. ug/m**3 OCCURRED AT RECEPTOR REC3 .

JOB: 17,18,19,20 YONKERS AV PM BUILD BALLPARK RUN: PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR

DATE : 06/01/ 0
TIME : 09:25:23

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

PM/LNK(ug/m**3)
ANGLE (DEGREES)

LINK #	REC1 115	REC2 85	REC3 120	REC4 85	REC5 170	REC6 50	REC7 115	REC8 85	REC9 115	REC10 90	REC11 75	REC12 60	REC13 65	REC14 50	REC15 130
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.9	0.0	0.0	0.0	0.0	0.3	1.7	0.6	2.1	0.0	0.0	0.0	0.0	0.0
5	0.8	1.5	0.3	2.4	0.0	0.0	0.7	0.5	0.4	0.3	0.5	0.4	0.0	0.0	0.2
6	0.5	0.2	0.8	0.4	0.8	1.1	0.3	0.1	0.2	0.1	0.3	0.3	1.0	0.6	0.3
7	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.3	0.2	0.1
8	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.1	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
10	0.1	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
11	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
12	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.1	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
16	0.1	0.1	0.2	0.1	0.1	0.5	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.1
17	0.4	0.4	0.8	0.8	1.7	0.5	0.3	0.2	0.2	0.2	0.5	0.6	1.1	0.7	0.3
18	1.6	0.9	1.4	0.5	0.0	0.0	0.7	0.7	0.3	0.4	0.2	0.2	0.0	0.0	0.4
19	0.2	0.2	0.8	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1
20	0.9	0.0	0.0	0.0	0.0	0.0	2.1	0.4	2.6	0.7	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.5	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.6
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.2	0.0
34	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
35	0.0	0.0	0.1	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.2	0.2	0.3	0.3	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.1	0.3	0.2	0.2
45	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.3	0.0

JOB: 17,18,19,20 YONKERS AV PM BUILD BALLPARK RUN: PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR

PM/LNK(ug/m**3)
ANGLE (DEGREES)

LINK #	REC1 115	REC2 85	REC3 120	REC4 85	REC5 170	REC6 50	REC7 115	REC8 85	REC9 115	REC10 90	REC11 75	REC12 60	REC13 65	REC14 50	REC15 130
46	0.0	0.1	0.0	0.0	0.0	0.3	0.0	0.1	0.0	0.1	0.1	0.3	0.2	0.4	0.0
47	0.3	0.2	0.3	0.3	0.4	0.5	0.2	0.2	0.2	0.2	0.2	0.1	0.3	0.2	0.3
48	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.0	0.1	0.0	0.1
53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0
55	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.1
56	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
58	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.1	0.0	0.1	0.0	0.4	0.0	0.1	0.0	0.0	0.1	0.2	0.2	0.2	0.0
61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0

CAL3QHC PC (32 BIT) VERSION 3.0.0
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Run Began on 6/01/2007 at 9:09:30

JOB: 17,18,19,20 YONKERS AV PM NOBUILD RUN: PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR

DATE : 06/01/ 0
TIME : 09:09:30

The MODE flag has been set to P for calculating PM averages.

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 108. CM
U = 1.0 M/S CLAS = 5 (E) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 ug/m**3

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	LENGTH (M)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. YONKERS@17 EB APPR	201955.2	233556.0	201705.9	233541.2	250.	267.	AG	1418.	0.0	0.0	13.3		
2. YONKERS@17 EB LEFT	202026.6	233547.1	201962.1	233560.3	66.	282.	AG	7.	0.0	0.0	9.7		
3. YONKERS@17 EB TR	202020.1	233542.7	201955.2	233556.0	66.	282.	AG	1411.	0.0	0.0	13.3		
4. YONKERS 17 TO 18 EB	202141.4	233517.0	202020.1	233542.7	124.	282.	AG	1617.	0.0	0.0	13.3		
5. YONKERS@18 EB DEPART	202194.8	233505.8	202141.4	233517.0	55.	282.	AG	2415.	0.0	0.0	13.3		
6. YONKERS@19 EB THRU	202279.3	233477.5	202194.8	233505.8	89.	289.	AG	1964.	0.0	0.0	13.3		
7. YONKERS@19 EB RIGHT	202235.6	233487.5	202193.5	233501.5	44.	288.	AG	451.	0.0	0.0	9.7		
8. YONKERS@20 EB LEFT	202347.7	233439.8	202280.6	233481.5	79.	302.	AG	518.	0.0	0.0	9.7		
9. YONKERS@20 EB THRU	202338.3	233439.4	202278.8	233476.2	70.	302.	AG	1446.	0.0	0.0	13.3		
10. YONKERS@20 EB DEPART	202459.2	233329.0	202338.3	233439.4	164.	312.	AG	1480.	0.0	0.0	13.3		
11. YONKERS@20 WB APPR	202386.3	233411.3	202462.7	233333.1	109.	136.	AG	1190.	0.0	0.0	13.3		
12. YONKERS@20 WB THRU	202343.0	233451.3	202386.3	233411.3	59.	133.	AG	966.	0.0	0.0	13.3		
13. YONKERS@20 WB RIGHT	202364.3	233439.1	202390.0	233415.2	35.	133.	AG	224.	0.0	0.0	9.7		
14. YONKERS@20 WB RIGHT	202361.8	233459.5	202364.3	233439.1	21.	173.	AG	224.	0.0	0.0	9.7		
15. YONKERS@20 WB DEPART	202290.5	233481.4	202343.0	233451.3	61.	120.	AG	2053.	0.0	0.0	13.3		
16. YONKERS@19 WB APPR	202250.1	233499.4	202290.5	233481.4	44.	114.	AG	2053.	0.0	0.0	13.3		
17. YONKERS@19 WB DEPART	202198.6	233514.7	202250.1	233499.4	54.	107.	AG	2613.	0.0	0.0	13.3		
18. YONKERS@18 WB THRU	202139.1	233527.8	202198.6	233514.7	61.	102.	AG	1804.	0.0	0.0	13.3		
19. YONKERS@18 WB RIGHT	202157.8	233528.7	202199.6	233520.0	43.	102.	AG	809.	0.0	0.0	9.7		
20. YONKERS@18 WB DEPART	202068.8	233544.8	202139.1	233527.8	72.	104.	AG	1958.	0.0	0.0	13.3		
21. YONKERS@17 WB LEFT	202022.0	233549.1	202067.5	233539.5	47.	102.	AG	223.	0.0	0.0	9.7		
22. YONKERS@17 WB TR	202023.8	233554.6	202068.8	233544.9	46.	102.	AG	1735.	0.0	0.0	13.3		
23. YONKERS@17 WB DEPART	201959.7	233566.9	202023.7	233553.8	65.	102.	AG	1708.	0.0	0.0	13.3		
24. YONKERS@17 WB DEPART	201705.8	233551.9	201959.5	233566.9	254.	87.	AG	1708.	0.0	0.0	13.3		
25. PRESCOTT NB APPR	202023.6	233542.0	202011.9	233504.5	39.	197.	AG	120.	0.0	0.0	9.7		
26. PRESCOTT NB DEPART	202031.8	233587.1	202027.4	233553.6	34.	187.	AG	50.	0.0	0.0	9.7		
27. PRESCOTT SB DEPART	202008.5	233505.5	202020.0	233542.7	39.	17.	AG	241.	0.0	0.0	9.7		
28. ASHBURTON NB DEPART	202142.4	233542.2	202157.8	233528.7	20.	131.	AG	809.	0.0	0.0	9.7		
29. ASHBURTON NB DEPART	202106.0	233719.3	202142.4	233542.2	181.	168.	AG	809.	0.0	0.0	9.7		
30. ASHBURTON NB DEPART	202127.9	233820.1	202106.0	233719.3	103.	192.	AG	809.	0.0	0.0	9.7		
31. ASHBURTON SB APPR	202141.3	233517.1	202100.2	233718.0	205.	348.	AG	827.	0.0	0.0	13.3		
32. ASHBURTON SB APPR	202100.2	233718.0	202122.1	233821.0	105.	12.	AG	827.	0.0	0.0	9.7		
33. SMRP SB RAMP SB APPR	202273.2	233521.3	202338.9	233661.0	154.	25.	AG	561.	0.0	0.0	9.7		
34. SMRP SB RAMP SB R	202254.6	233504.7	202273.1	233521.3	25.	48.	AG	561.	0.0	0.0	9.7		
35. SMRP SB RAMP SB DEP	202258.4	233451.3	202235.6	233487.5	43.	328.	AG	451.	0.0	0.0	9.7		
36. SMRP SB RAMP SB DEP	202258.7	233386.1	202258.4	233451.3	65.	360.	AG	451.	0.0	0.0	9.7		
37. SMRP SB RAMP SB DEP	202224.8	233190.8	202258.7	233386.1	198.	10.	AG	451.	0.0	0.0	9.7		
38. SMRP NB RAMP NB DEP	202386.6	233494.5	202347.7	233439.8	67.	215.	AG	742.	0.0	0.0	9.7		
39. SMRP NB RAMP NB DEP	202405.7	233555.3	202386.6	233494.5	64.	197.	AG	742.	0.0	0.0	9.7		
40. SMRP NB RAMP SB APPR	202367.6	233484.1	202398.9	233557.5	80.	23.	AG	1121.	0.0	0.0	9.7		
41. SMRP NB RAMP SB LEFT	202338.2	233439.6	202370.6	233482.4	54.	37.	AG	34.	0.0	0.0	9.7		
42. SMRP NB RAMP SB R	202343.0	233451.4	202367.3	233484.3	41.	36.	AG	1087.	0.0	0.0	9.7		
43. SMRP NB 0.0189 G/MI	202273.2	233397.8	202294.8	233258.7	141.	171.	DP	2562.	0.0	-6.0	13.3		
44. SMRP NB 0.0189 G/MI	202317.8	233567.8	202273.2	233397.8	176.	195.	DP	2562.	0.0	-6.0	13.3		

JOB: 17,18,19,20 YONKERS AV PM NOBUILD RUN: PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR

DATE : 06/01/ 0
TIME : 09:09:30

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	LENGTH (M)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
45. SMRP NB 0.0189 G/MI	202372.6	233692.0	202317.8	233567.8	136.	204.	DP	2562.	0.0	-6.0	13.3		
46. SMRP SB 0.0189 G/MI	202302.2	233552.4	202392.0	233754.6	221.	24.	DP	2880.	0.0	-6.0	13.3		
47. SMRP SB 0.0189 G/MI	202262.9	233392.4	202302.2	233552.4	165.	14.	DP	2880.	0.0	-6.0	13.3		
48. SMRP SB 0.0189 G/MI	202288.5	233254.3	202262.9	233392.4	140.	350.	DP	2880.	0.0	-6.0	13.3		
49. YONKERS@17 EB L Q	202011.2	233550.3	202010.7	233550.4	1.	284.	AG	0.	100.0	0.0	3.7	0.11	0.1
50. YONKERS@17 EB TR Q	202010.0	233544.9	201938.8	233559.6	73.	282.	AG	0.	100.0	0.0	7.3	0.93	12.1
51. YONKERS@17 WB L Q	202032.2	233547.0	202044.6	233544.4	13.	102.	AG	0.	100.0	0.0	3.7	0.23	2.1
52. YONKERS@17 WB TR Q	202033.5	233552.5	202093.4	233539.6	61.	102.	AG	0.	100.0	0.0	7.3	0.91	10.2
53. PRESCOTT NB QUEUE	202021.6	233535.5	202017.2	233521.8	14.	198.	AG	0.	100.0	0.0	4.6	0.32	2.4
54. YONKERS@18 EB THRU Q	202121.2	233521.4	202064.3	233533.4	58.	282.	AG	0.	100.0	0.0	7.3	0.88	9.7
55. YONKERS@18 WB THRU Q	202156.5	233524.1	202247.6	233503.7	93.	103.	AG	0.	100.0	0.0	7.3	0.99	15.6
56. YONKERS@18 WB R Q	202157.8	233528.8	202274.7	233503.9	119.	102.	AG	0.	100.0	0.0	3.7	1.01	19.9
57. ASHBURTON SB QUEUE	202137.1	233537.3	202124.9	233597.1	61.	348.	AG	0.	100.0	0.0	7.3	0.92	10.2
58. YONKERS@20 EB L Q	202330.8	233450.5	202313.1	233461.3	21.	302.	AG	0.	100.0	0.0	3.7	0.40	3.5
59. YONKERS@20 EB THRU Q	202327.6	233445.9	202303.0	233461.1	29.	302.	AG	0.	100.0	0.0	7.3	0.58	4.8
60. YONKERS@20 WB THRU Q	202357.2	233438.3	202384.9	233412.5	38.	133.	AG	0.	100.0	0.0	7.3	0.57	6.3
61. YONKERS@20 WB R Q	202364.4	233439.0	202372.3	233431.6	11.	133.	AG	0.	100.0	0.0	3.7	0.21	1.8
62. SMRP NB RAMP SB L Q	202350.5	233455.3	202353.3	233459.0	5.	37.	AG	0.	100.0	0.0	3.7	0.13	0.8
63. SMRP NB RAMP SB R Q	202347.6	233457.6	202387.4	233511.1	67.	37.	AG	0.	100.0	0.0	7.3	0.91	11.1

JOB: 17,18,19,20 YONKERS AV PM NOBUILD RUN: PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR

DATE : 06/01/ 0
TIME : 09:09:30

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
49. YONKERS@17 EB L Q	100	47	2.0	7	130	0.02	1	3
50. YONKERS@17 EB TR Q	100	47	2.0	1411	1547	0.02	1	3
51. YONKERS@17 WB L Q	100	34	2.0	223	1545	0.02	1	3
52. YONKERS@17 WB TR Q	100	34	2.0	1735	1545	0.02	1	3
53. PRESCOTT NB QUEUE	100	72	2.0	120	1583	0.02	1	3
54. YONKERS@18 EB THRU Q	100	37	2.0	1617	1551	0.02	1	3
55. YONKERS@18 WB THRU Q	100	37	2.0	1804	1551	0.02	1	3
56. YONKERS@18 WB R Q	100	37	2.0	809	1356	0.02	1	3
57. ASHBURTON SB QUEUE	100	67	2.0	827	1542	0.02	1	3
58. YONKERS@20 EB L Q	100	24	2.0	518	1805	0.02	1	3
59. YONKERS@20 EB THRU Q	100	24	2.0	1446	1723	0.02	1	3
60. YONKERS@20 WB THRU Q	100	47	2.0	966	1723	0.02	1	3
61. YONKERS@20 WB R Q	100	29	2.0	224	1615	0.02	1	3
62. SMRP NB RAMP SB L Q	100	82	2.0	34	1805	0.02	1	3
63. SMRP NB RAMP SB R Q	100	59	2.0	1087	1615	0.02	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. 18 NW CORNER	202128.6	233537.7	1.8
2. 18 SW CORNER	202125.4	233513.1	1.8
3. 18 NE CORNER	202159.8	233533.8	1.8
4. 18 SE CORNER	202152.9	233507.3	1.8
5. 19 NW CORNER	202242.8	233509.7	1.8
6. 19 SW CORNER	202232.4	233482.9	1.8
7. 18 NW	202099.9	233544.5	1.8
8. 18 SW	202096.0	233519.1	1.8
9. 18 NW	202070.2	233551.7	1.8
10. 18 SW	202064.8	233526.1	1.8
11. 18 FRONT OF BLDG	202136.7	233490.0	1.8
12. 18 FRONT OF BLDG	202157.9	233483.1	1.8
13. 18 FRONT OF BLDG	202190.5	233491.2	1.8
14. 18 FRONT OF BLDG	202202.1	233473.1	1.8
15. ASHBURTON NW	202121.9	233575.7	1.8

JOB: 17,18,19,20 YONKERS AV PM NOBUILD RUN: PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 5.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (ug/m**3) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15
5.	2.	2.	0.	2.	0.	2.	1.	2.	0.	2.	2.	1.	2.	1.	2.
10.	1.	2.	0.	2.	0.	2.	1.	2.	0.	2.	2.	1.	2.	1.	2.
15.	1.	2.	0.	2.	0.	2.	0.	2.	0.	2.	1.	1.	2.	1.	1.
20.	1.	2.	0.	2.	0.	2.	0.	2.	0.	2.	1.	1.	2.	1.	1.
25.	1.	2.	0.	2.	1.	3.	0.	2.	0.	2.	1.	1.	2.	1.	1.
30.	1.	2.	0.	2.	1.	3.	1.	2.	0.	2.	1.	1.	2.	2.	1.
35.	1.	2.	0.	2.	2.	4.	1.	2.	0.	2.	1.	1.	2.	2.	1.
40.	1.	2.	0.	2.	2.	4.	1.	2.	0.	2.	1.	2.	2.	2.	1.
45.	1.	2.	0.	3.	2.	4.	1.	2.	0.	2.	2.	2.	3.	2.	1.
50.	1.	2.	0.	3.	2.	4.	1.	2.	0.	2.	2.	2.	3.	2.	1.
55.	1.	3.	1.	3.	2.	3.	1.	3.	0.	3.	2.	2.	3.	2.	1.
60.	2.	3.	1.	3.	2.	3.	1.	3.	1.	3.	2.	2.	3.	2.	1.
65.	2.	3.	1.	4.	1.	3.	1.	3.	1.	3.	2.	2.	3.	2.	1.
70.	2.	4.	1.	4.	1.	3.	1.	3.	1.	3.	2.	2.	3.	2.	1.
75.	2.	4.	1.	4.	2.	3.	1.	4.	1.	3.	2.	2.	3.	2.	1.
80.	2.	4.	1.	4.	2.	3.	1.	3.	1.	3.	2.	2.	3.	2.	1.
85.	2.	4.	1.	4.	2.	4.	1.	4.	1.	4.	2.	2.	3.	2.	1.
90.	2.	4.	1.	4.	2.	4.	2.	4.	1.	4.	2.	2.	3.	2.	1.
95.	2.	4.	1.	4.	2.	4.	2.	4.	2.	4.	2.	2.	3.	2.	1.
100.	3.	4.	2.	4.	2.	3.	3.	3.	3.	3.	1.	2.	3.	2.	2.
105.	4.	3.	3.	3.	2.	3.	4.	2.	4.	3.	1.	1.	2.	2.	2.
110.	5.	2.	4.	2.	3.	3.	4.	2.	4.	2.	1.	1.	2.	1.	2.
115.	5.	1.	5.	2.	4.	3.	5.	1.	4.	1.	1.	1.	2.	1.	2.
120.	5.	1.	5.	1.	4.	2.	4.	1.	4.	1.	1.	1.	1.	1.	3.
125.	4.	1.	5.	1.	5.	2.	4.	1.	4.	1.	1.	1.	1.	1.	3.
130.	4.	1.	4.	1.	5.	2.	3.	1.	3.	1.	1.	1.	1.	1.	4.
135.	4.	1.	4.	1.	5.	1.	3.	1.	3.	1.	1.	1.	1.	1.	3.
140.	4.	1.	4.	1.	4.	2.	3.	1.	3.	0.	1.	1.	1.	1.	3.
145.	3.	1.	4.	1.	4.	2.	2.	0.	2.	0.	0.	1.	1.	1.	3.
150.	3.	0.	3.	1.	4.	2.	2.	0.	2.	0.	0.	1.	1.	1.	3.
155.	2.	0.	3.	1.	4.	2.	2.	0.	2.	0.	0.	0.	1.	1.	2.
160.	2.	0.	3.	0.	5.	3.	2.	0.	2.	0.	0.	0.	1.	1.	2.
165.	2.	0.	2.	0.	6.	3.	2.	0.	2.	0.	0.	0.	0.	0.	2.
170.	2.	0.	2.	0.	6.	2.	2.	0.	2.	0.	0.	0.	0.	0.	1.
175.	2.	0.	2.	0.	5.	1.	2.	0.	2.	0.	0.	0.	0.	0.	1.
180.	2.	0.	2.	0.	4.	1.	2.	0.	2.	0.	0.	0.	0.	0.	1.
185.	2.	0.	2.	0.	3.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
190.	2.	0.	2.	0.	2.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
195.	2.	0.	2.	0.	2.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
200.	2.	0.	2.	0.	2.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
205.	2.	0.	2.	0.	2.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
210.	2.	0.	2.	0.	2.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.

JOB: 17,18,19,20 YONKERS AV PM NOBUILD RUN: PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR

WIND ANGLE (DEGR)	* CONCENTRATION (ug/m**3) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15
215.	2.	0.	2.	0.	2.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
220.	2.	0.	2.	0.	2.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
225.	2.	0.	2.	0.	2.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
230.	2.	0.	2.	0.	2.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
235.	2.	0.	2.	0.	2.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
240.	2.	0.	2.	0.	3.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
245.	2.	0.	2.	0.	3.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
250.	2.	0.	2.	0.	3.	0.	2.	0.	2.	0.	0.	0.	0.	0.	1.
255.	2.	0.	3.	0.	3.	0.	3.	0.	2.	0.	0.	0.	0.	0.	1.
260.	3.	0.	3.	0.	4.	0.	3.	0.	3.	0.	0.	0.	0.	0.	1.
265.	3.	0.	3.	0.	4.	0.	3.	0.	4.	0.	0.	0.	0.	0.	1.
270.	3.	1.	4.	1.	4.	0.	4.	1.	4.	1.	0.	0.	0.	0.	1.
275.	4.	1.	3.	1.	5.	1.	4.	1.	3.	1.	0.	0.	0.	0.	0.
280.	3.	2.	3.	2.	4.	1.	3.	2.	2.	2.	1.	0.	1.	0.	0.
285.	2.	3.	2.	3.	3.	2.	2.	2.	2.	3.	1.	1.	2.	1.	0.
290.	1.	3.	2.	3.	2.	3.	1.	3.	1.	3.	1.	1.	2.	1.	0.
295.	0.	3.	1.	4.	1.	3.	1.	3.	0.	3.	1.	1.	2.	1.	0.
300.	0.	3.	1.	3.	1.	3.	0.	3.	0.	2.	1.	1.	2.	1.	0.
305.	0.	3.	1.	3.	1.	3.	0.	3.	0.	2.	1.	1.	2.	1.	0.
310.	0.	2.	1.	3.	0.	4.	0.	2.	0.	2.	1.	1.	2.	1.	0.
315.	0.	2.	1.	3.	0.	3.	0.	2.	0.	2.	1.	1.	2.	2.	0.
320.	0.	2.	1.	3.	0.	3.	0.	2.	0.	2.	1.	1.	2.	2.	0.
325.	0.	2.	1.	3.	0.	3.	0.	2.	0.	2.	1.	1.	3.	2.	0.
330.	0.	2.	1.	3.	0.	3.	0.	2.	0.	2.	1.	2.	2.	2.	0.
335.	0.	2.	1.	3.	0.	3.	0.	2.	0.	2.	1.	2.	2.	2.	0.
340.	0.	2.	1.	3.	0.	2.	0.	2.	0.	2.	1.	2.	2.	2.	0.
345.	1.	2.	1.	3.	0.	2.	0.	2.	0.	2.	1.	2.	2.	1.	1.
350.	1.	2.	0.	3.	0.	2.	0.	2.	0.	2.	2.	2.	2.	1.	1.
355.	2.	2.	0.	3.	0.	2.	0.	2.	0.	2.	2.	2.	2.	1.	2.
360.	2.	3.	0.	2.	0.	2.	0.	2.	0.	2.	2.	1.	2.	1.	2.
MAX	5.	4.	5.	4.	6.	4.	5.	4.	4.	4.	2.	2.	3.	2.	4.
DEGR.	120	90	120	90	165	90	115	90	115	90	70	55	70	40	130

THE HIGHEST CONCENTRATION OF 6. ug/m**3 OCCURRED AT RECEPTOR REC5 .

JOB: 17,18,19,20 YONKERS AV PM NOBUILD RUN: PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR

DATE : 06/01/ 0
TIME : 09:09:30

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

PM/LNK(ug/m**3)
ANGLE (DEGREES)

LINK #	REC1 120	REC2 90	REC3 120	REC4 90	REC5 165	REC6 90	REC7 115	REC8 90	REC9 115	REC10 90	REC11 70	REC12 55	REC13 70	REC14 40	REC15 130
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.6	0.0	0.0	0.0	0.0	0.2	1.3	0.4	1.6	0.0	0.0	0.0	0.0	0.0
5	0.9	1.4	0.3	1.9	0.0	0.0	0.6	0.6	0.4	0.3	0.6	0.4	0.0	0.0	0.2
6	0.4	0.3	0.7	0.5	0.7	1.3	0.3	0.2	0.2	0.1	0.2	0.2	0.9	0.5	0.3
7	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0
8	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
10	0.1	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
11	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.1	0.0	0.1	0.1	0.0	0.3	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
16	0.1	0.1	0.1	0.2	0.2	0.5	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1
17	0.2	0.4	0.6	0.7	1.3	0.0	0.2	0.3	0.1	0.2	0.3	0.4	0.8	0.6	0.3
18	1.1	0.5	1.0	0.2	0.0	0.0	0.5	0.5	0.2	0.3	0.2	0.2	0.0	0.0	0.3
19	0.1	0.1	0.8	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.1
20	0.7	0.0	0.0	0.0	0.0	0.0	1.6	0.2	1.9	0.5	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.5	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.6
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
35	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.2	0.2	0.3	0.3	0.3	0.4	0.2	0.2	0.2	0.2	0.2	0.1	0.3	0.0	0.2
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.3	0.0

JOB: 17,18,19,20 YONKERS AV PM NOBUILD RUN: PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR

PM/LNK(ug/m**3)
ANGLE (DEGREES)

LINK #	REC1 120	REC2 90	REC3 120	REC4 90	REC5 165	REC6 90	REC7 115	REC8 90	REC9 115	REC10 90	REC11 70	REC12 55	REC13 70	REC14 40	REC15 130
46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.1	0.6	0.0
47	0.3	0.3	0.3	0.3	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.1	0.3	0.1	0.3
48	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0
55	0.1	0.1	0.2	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1
56	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL3QHC PC (32 BIT) VERSION 3.0.0
(C) COPYRIGHT 1993-2000, TRINITY CONSULTANTS

Run Began on 5/30/2007 at 19:11:35

JOB: #1 NEPPERHAM & ELM PM BUILD W/BALLPARK RUN: PM10 EF: 0.0253 G/MI, 0.0221 G/HR

DATE : 05/30/ 0
TIME : 19:11:35

The MODE flag has been set to P for calculating PM averages.

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 108. CM
U = 1.0 M/S CLAS = 5 (E) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 ug/m**3

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	LENGTH (M)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. ELM ST EB DEPART	201168.9	233408.9	201296.1	233350.0	140.	115.	AG	383.	0.0	0.0	13.3		
2. ELM ST EB DEPART	201295.9	233350.0	201454.5	233288.5	170.	111.	AG	383.	0.0	0.0	9.7		
3. ELM ST WB APP	201171.8	233414.2	201298.5	233355.5	140.	115.	AG	240.	0.0	0.0	10.6		
4. ELM ST WB APP	201298.5	233355.5	201456.4	233293.9	169.	111.	AG	240.	0.0	0.0	9.7		
5. ELM ST WB DEPART	201170.4	233412.2	200946.8	233461.1	229.	282.	AG	903.	0.0	0.0	13.3		
6. NEPPERHAN NB APPR	201137.9	233358.7	201087.4	233315.7	66.	230.	AG	2674.	0.0	0.0	17.0		
7. NEPPERHAN NB APPR	201087.4	233315.7	200963.7	233236.8	147.	237.	AG	2674.	0.0	0.0	17.0		
8. NEPPERHAN NB LEFT	201171.9	233407.3	201133.6	233361.6	60.	220.	AG	138.	0.0	0.0	9.7		
9. NEPPERHAN NB TR	201183.6	233408.6	201137.9	233358.7	68.	222.	AG	2536.	0.0	0.0	17.0		
10. NEPPERHAN NB DEPART	201181.6	233409.5	201258.7	233585.1	192.	24.	AG	2427.	0.0	0.0	17.0		
11. NEPPERHAN SB APP	201191.0	233467.6	201238.9	233592.9	134.	21.	AG	2853.	0.0	0.0	17.0		
12. NEPPERHAN SB LEFT	201168.9	233408.9	201197.3	233463.8	62.	27.	AG	180.	0.0	0.0	9.7		
13. NEPPERHAN SB THRU	201163.3	233413.4	201191.1	233467.7	61.	27.	AG	1923.	0.0	0.0	17.0		
14. NEPPERHAN SB RIGHT	201156.1	233415.4	201184.3	233470.7	62.	27.	AG	750.	0.0	0.0	9.7		
15. NEPPERHAN SB DEPART	201163.3	233413.4	201106.3	233355.4	81.	225.	AG	2054.	0.0	0.0	17.0		
16. NEPPERHAN SB DEPART	201106.3	233355.4	200953.2	233250.4	186.	236.	AG	2054.	0.0	0.0	17.0		
17. ELM ST WB QUEUE	201192.3	233404.6	201221.8	233390.9	33.	115.	AG	0.	100.0	0.0	4.6	0.80	5.4
18. NEPPERHAN NB L Q	201164.7	233398.6	201161.0	233394.2	6.	220.	AG	0.	100.0	0.0	3.7	0.12	1.0
19. NEPPERHAN NB TR Q	201170.7	233394.4	201111.8	233330.3	87.	223.	AG	0.	100.0	0.0	11.0	0.98	14.5
20. NEPPERHAN SB L Q	201175.4	233421.4	201178.8	233428.1	8.	27.	AG	0.	100.0	0.0	3.7	0.15	1.2
21. NEPPERHAN SB THRU Q	201168.9	233424.1	201187.3	233460.3	41.	27.	AG	0.	100.0	0.0	11.0	0.73	6.8
22. NEPPERHAN SB R Q	201162.1	233427.0	201192.4	233486.6	67.	27.	AG	0.	100.0	0.0	3.7	0.94	11.1

JOB: #1 NEPPERHAM & ELM PM BUILD W/BALLPARK RUN: PM10 EF: 0.0253 G/MI, 0.0221 G/HR

DATE : 05/30/ 0
TIME : 19:11:35

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
17. ELM ST WB QUEUE	*	90	71	2.0	240	1805	0.02	1	3
18. NEPPERHAN NB L Q	*	90	25	2.0	138	1718	0.02	1	3
19. NEPPERHAN NB TR Q	*	90	38	2.0	2536	1620	0.02	1	3
20. NEPPERHAN SB L Q	*	90	25	2.0	180	1719	0.02	1	3
21. NEPPERHAN SB THRU Q	*	90	38	2.0	1923	1643	0.02	1	3
22. NEPPERHAN SB R Q	*	90	38	2.0	750	1503	0.02	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z	*
1. NW CORNER	*	201153.9	233422.8	1.8	*
2. SW CORNER	*	201144.4	233409.1	1.8	*
3. NE CORNER	*	201190.1	233412.3	1.8	*
4. SE CORNER	*	201184.2	233395.8	1.8	*
5. ELM ST NW	*	201106.2	233433.1	1.8	*
6. ELM ST SW	*	201103.3	233419.4	1.8	*
7. ELM ST NE	*	201228.6	233393.8	1.8	*
8. ELM ST SE	*	201222.6	233378.1	1.8	*
9. NEPPERHAN SE	*	201176.0	233387.1	1.8	*
10. NEPPERHAN SW	*	201135.2	233397.3	1.8	*
11. NEPPERHAN SE	*	201166.0	233375.4	1.8	*
12. NEPPERHAN SE	*	201149.6	233357.4	1.8	*
13. NEPPERHAN SW	*	201118.0	233380.0	1.8	*
14. NEPPERHAN NW	*	201168.5	233450.8	1.8	*
15. NEPPERHAN NE	*	201206.7	233434.5	1.8	*
16. NEPPERHAN NW	*	201178.2	233470.7	1.8	*
17. NEPPERHAN NE	*	201215.6	233455.5	1.8	*

JOB: #1 NEPPERHAM & ELM PM BUILD W/BALLPARK RUN: PM10 EF: 0.0253 G/MI, 0.0221 G/HR

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 5.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (ug/m**3) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17
5.	0.	1.	7.	7.	0.	1.	2.	2.	7.	1.	6.	5.	1.	0.	5.	0.	5.
10.	0.	1.	7.	8.	0.	1.	1.	2.	8.	1.	7.	6.	0.	0.	5.	0.	4.
15.	1.	1.	7.	7.	0.	1.	1.	1.	8.	1.	8.	7.	1.	1.	4.	1.	4.
20.	2.	2.	6.	6.	0.	1.	0.	1.	7.	2.	8.	8.	1.	2.	3.	2.	2.
25.	3.	3.	5.	5.	0.	1.	0.	1.	6.	2.	7.	8.	2.	3.	2.	3.	1.
30.	5.	4.	4.	4.	0.	1.	0.	1.	5.	4.	6.	7.	3.	4.	1.	4.	1.
35.	6.	5.	2.	2.	0.	2.	0.	1.	4.	5.	4.	5.	4.	5.	0.	5.	0.
40.	6.	6.	1.	2.	1.	2.	0.	1.	2.	6.	3.	4.	4.	6.	0.	5.	0.
45.	6.	6.	1.	1.	2.	2.	0.	1.	2.	6.	2.	2.	5.	6.	0.	5.	0.
50.	6.	6.	1.	1.	2.	3.	0.	1.	1.	6.	1.	1.	5.	6.	0.	5.	0.
55.	5.	6.	1.	1.	2.	3.	0.	1.	1.	5.	1.	1.	5.	5.	0.	5.	0.
60.	5.	5.	0.	1.	2.	3.	0.	1.	1.	5.	1.	0.	5.	5.	0.	4.	0.
65.	5.	5.	0.	1.	2.	3.	0.	1.	1.	5.	1.	0.	5.	5.	0.	4.	0.
70.	4.	5.	0.	1.	2.	3.	0.	1.	1.	5.	0.	0.	5.	5.	0.	4.	0.
75.	4.	5.	0.	1.	2.	3.	0.	1.	1.	4.	0.	0.	4.	4.	0.	4.	0.
80.	4.	4.	0.	1.	2.	3.	0.	1.	1.	4.	0.	0.	4.	4.	0.	4.	0.
85.	4.	4.	0.	1.	2.	3.	0.	1.	1.	4.	0.	0.	4.	4.	0.	4.	0.
90.	4.	4.	0.	1.	2.	3.	0.	1.	1.	4.	0.	0.	4.	4.	0.	4.	0.
95.	4.	4.	0.	1.	2.	3.	0.	1.	1.	4.	0.	0.	4.	4.	0.	4.	0.
100.	4.	4.	0.	1.	3.	3.	0.	1.	1.	4.	0.	0.	4.	4.	0.	4.	0.
105.	4.	4.	0.	1.	3.	3.	0.	1.	1.	4.	0.	0.	4.	4.	0.	4.	0.
110.	5.	4.	1.	1.	3.	2.	1.	1.	1.	4.	0.	0.	3.	4.	0.	4.	0.
115.	5.	4.	1.	1.	4.	2.	1.	1.	0.	3.	0.	0.	3.	4.	0.	4.	0.
120.	6.	3.	1.	1.	4.	2.	1.	1.	0.	3.	0.	0.	3.	4.	0.	4.	0.
125.	5.	3.	1.	0.	3.	2.	1.	1.	0.	3.	0.	0.	3.	4.	0.	4.	0.
130.	5.	3.	1.	0.	3.	2.	1.	0.	0.	3.	0.	0.	3.	4.	0.	4.	0.
135.	5.	3.	1.	0.	3.	2.	1.	0.	0.	3.	0.	0.	3.	4.	0.	4.	0.
140.	5.	3.	1.	0.	3.	2.	1.	0.	0.	3.	0.	0.	3.	4.	0.	4.	0.
145.	5.	3.	1.	0.	3.	2.	1.	0.	0.	3.	0.	0.	3.	4.	0.	4.	0.
150.	5.	3.	1.	0.	3.	2.	1.	0.	0.	3.	0.	0.	3.	4.	0.	4.	0.
155.	5.	3.	1.	0.	2.	2.	1.	0.	0.	3.	0.	0.	3.	4.	0.	4.	0.
160.	4.	3.	1.	0.	2.	2.	1.	0.	0.	3.	0.	0.	3.	5.	0.	5.	0.
165.	4.	3.	1.	0.	2.	2.	1.	0.	0.	4.	0.	0.	3.	5.	0.	5.	0.
170.	4.	4.	1.	0.	2.	2.	1.	0.	0.	4.	0.	0.	4.	5.	0.	5.	0.
175.	5.	4.	1.	0.	2.	2.	1.	0.	0.	4.	0.	0.	3.	5.	0.	5.	0.
180.	5.	4.	1.	0.	2.	2.	1.	0.	0.	4.	0.	0.	4.	5.	0.	5.	0.
185.	5.	4.	1.	0.	2.	2.	1.	0.	0.	4.	0.	0.	4.	5.	0.	6.	0.
190.	5.	4.	2.	0.	2.	2.	1.	0.	0.	4.	0.	0.	4.	6.	0.	6.	0.
195.	5.	4.	2.	0.	2.	2.	1.	0.	0.	4.	0.	0.	4.	5.	1.	5.	1.
200.	5.	4.	3.	0.	2.	2.	1.	0.	0.	5.	0.	0.	4.	5.	1.	5.	1.
205.	5.	5.	4.	0.	2.	2.	1.	0.	1.	5.	0.	0.	5.	5.	1.	4.	2.
210.	5.	5.	4.	1.	2.	2.	1.	0.	1.	5.	1.	0.	5.	4.	2.	4.	3.

JOB: #1 NEPPERHAM & ELM PM BUILD W/BALLPARK RUN: PM10 EF: 0.0253 G/MI, 0.0221 G/HR

WIND ANGLE (DEGR)	* CONCENTRATION (ug/m**3) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17
215.	5.	5.	6.	2.	2.	1.	1.	0.	2.	5.	1.	1.	5.	4.	4.	3.	4.
220.	4.	4.	7.	3.	2.	1.	1.	0.	3.	5.	2.	1.	5.	3.	5.	2.	6.
225.	3.	4.	8.	5.	1.	1.	1.	0.	4.	4.	4.	3.	4.	2.	6.	2.	7.
230.	3.	2.	9.	6.	1.	0.	1.	0.	6.	3.	6.	4.	4.	1.	7.	1.	7.
235.	2.	1.	9.	7.	1.	0.	2.	1.	7.	2.	7.	6.	2.	1.	7.	1.	6.
240.	1.	1.	8.	7.	1.	0.	3.	2.	7.	1.	7.	7.	1.	1.	6.	0.	5.
245.	1.	0.	7.	7.	1.	0.	4.	2.	7.	0.	7.	7.	1.	0.	5.	0.	5.
250.	1.	0.	6.	6.	1.	0.	4.	2.	6.	0.	6.	6.	0.	1.	5.	0.	4.
255.	1.	0.	6.	5.	1.	0.	3.	3.	5.	0.	6.	6.	0.	1.	4.	0.	4.
260.	2.	0.	6.	5.	2.	0.	3.	2.	5.	0.	5.	5.	0.	1.	4.	0.	4.
265.	2.	0.	6.	4.	2.	0.	3.	2.	4.	0.	4.	5.	0.	0.	4.	0.	4.
270.	2.	0.	6.	4.	2.	0.	3.	2.	4.	0.	4.	4.	0.	0.	4.	0.	4.
275.	2.	1.	6.	4.	2.	1.	3.	2.	4.	0.	4.	4.	0.	0.	4.	0.	4.
280.	2.	1.	5.	4.	2.	1.	3.	2.	4.	0.	4.	4.	0.	0.	4.	0.	3.
285.	1.	1.	5.	4.	1.	2.	3.	2.	4.	0.	4.	4.	0.	0.	3.	0.	3.
290.	1.	2.	5.	5.	1.	2.	3.	3.	4.	1.	4.	4.	0.	0.	3.	0.	3.
295.	0.	2.	4.	5.	0.	2.	3.	3.	4.	1.	4.	4.	0.	0.	3.	0.	3.
300.	0.	2.	4.	5.	0.	2.	2.	3.	4.	1.	4.	4.	0.	0.	3.	0.	3.
305.	0.	1.	4.	5.	0.	1.	2.	3.	4.	1.	4.	4.	0.	0.	3.	0.	3.
310.	0.	1.	4.	5.	0.	1.	2.	3.	4.	1.	4.	4.	0.	0.	3.	0.	3.
315.	0.	1.	4.	5.	0.	1.	2.	3.	4.	1.	4.	4.	0.	0.	3.	0.	3.
320.	0.	1.	4.	5.	0.	1.	2.	3.	4.	1.	4.	4.	0.	0.	3.	0.	3.
325.	0.	1.	4.	5.	0.	1.	2.	3.	4.	1.	4.	4.	0.	0.	4.	0.	4.
330.	0.	1.	4.	5.	0.	1.	2.	3.	4.	1.	4.	4.	0.	0.	4.	0.	4.
335.	0.	1.	4.	5.	0.	1.	2.	3.	4.	0.	4.	4.	0.	0.	4.	0.	4.
340.	0.	1.	4.	5.	0.	1.	2.	3.	4.	1.	4.	4.	1.	0.	4.	0.	4.
345.	0.	1.	5.	5.	0.	1.	2.	3.	5.	1.	4.	4.	0.	0.	4.	0.	4.
350.	0.	1.	5.	6.	0.	1.	2.	3.	5.	1.	5.	4.	0.	0.	4.	0.	4.
355.	0.	1.	6.	6.	0.	1.	2.	3.	5.	1.	5.	4.	0.	0.	5.	0.	5.
360.	0.	1.	6.	7.	0.	1.	2.	3.	6.	1.	6.	5.	0.	0.	5.	0.	5.
MAX	6.	6.	9.	8.	4.	3.	4.	3.	8.	6.	8.	8.	5.	6.	7.	6.	7.
DEGR.	45	45	230	10	120	90	250	305	15	45	20	20	50	40	230	190	225

THE HIGHEST CONCENTRATION OF 9. ug/m**3 OCCURRED AT RECEPTOR REC3 .

JOB: #1 NEPPERHAM & ELM PM BUILD W/BALLPARK RUN: PM10 EF: 0.0253 G/MI, 0.0221 G/HR

DATE : 05/30/ 0
TIME : 19:11:35

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

PM/LNK(ug/m**3)
ANGLE (DEGREES)

LINK #	REC1 45	REC2 45	REC3 230	REC4 10	REC5 120	REC6 90	REC7 250	REC8 305	REC9 15	REC10 45	REC11 20	REC12 20	REC13 50	REC14 40	REC15 230	REC16 190	REC17 225
1	0.0	0.0	0.3	0.4	0.2	0.1	0.4	0.7	0.2	0.0	0.2	0.1	0.0	0.0	0.1	0.0	0.1
2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.2	0.2	0.1	0.1	0.3	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.1	0.8	0.0	0.0	1.6	1.5	0.0	0.3	0.0	0.5	0.0	0.1	0.3	0.0	0.1	0.2	0.1
6	0.0	0.0	0.8	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.1	0.5
7	0.0	0.0	0.8	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.5
8	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
9	0.0	0.0	3.6	1.2	0.7	0.2	0.7	0.6	2.4	0.0	2.9	3.4	0.1	0.0	1.4	1.0	0.9
10	1.6	1.5	1.2	3.5	0.1	0.5	0.0	0.4	2.9	1.4	2.3	1.2	1.1	1.5	2.0	0.2	2.6
11	0.8	0.6	0.0	1.5	0.0	0.0	0.0	0.0	1.3	0.5	1.1	0.9	0.2	2.5	0.0	0.0	0.0
12	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1
13	1.9	1.6	0.0	0.5	0.1	0.5	0.0	0.4	0.6	1.3	0.7	0.8	0.7	0.7	0.2	1.9	0.4
14	1.4	0.8	0.0	0.1	0.0	0.2	0.0	0.1	0.1	0.5	0.1	0.2	0.2	1.1	0.0	1.4	0.1
15	0.0	0.3	0.7	0.0	0.6	0.3	0.3	0.2	0.0	1.4	0.0	0.4	2.4	0.0	1.0	0.4	0.8
16	0.0	0.0	0.8	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.5
17	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.3	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.1	0.1	0.1
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.2	0.0
22	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0

CAL3QHC - (DATED 95221)

CAL3QHC PC (32 BIT) VERSION 3.0.0
(C) COPYRIGHT 1993-2000, TRINITY CONSULTANTS

Run Began on 5/30/2007 at 19:02:21

JOB: #1 NEPPERHAM & ELM PM NOBUILD RUN: PM10 EF: 0.0253 G/MI, 0.0221 G/HR

DATE : 05/30/ 0
TIME : 19:02:21

The MODE flag has been set to P for calculating PM averages.

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 108. CM
U = 1.0 M/S CLAS = 5 (E) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 ug/m**3

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	LENGTH (M)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. ELM ST EB DEPART	201168.9	233408.9	201296.1	233350.0	140.	115.	AG	383.	0.0	0.0	9.7		
2. ELM ST EB DEPART	201295.9	233350.0	201454.5	233288.5	170.	111.	AG	383.	0.0	0.0	9.7		
3. ELM ST WB APP	201171.8	233414.2	201298.5	233355.5	140.	115.	AG	240.	0.0	0.0	10.6		
4. ELM ST WB APP	201298.5	233355.5	201456.4	233293.9	169.	111.	AG	240.	0.0	0.0	9.7		
5. ELM ST EB APP	201170.4	233412.2	200946.8	233461.1	229.	282.	AG	402.	0.0	0.0	13.3		
6. NEPPERHAN NB APPR	201137.9	233358.7	201087.4	233315.7	66.	230.	AG	1587.	0.0	0.0	17.0		
7. NEPPERHAN NB APPR	201087.4	233315.7	200963.7	233236.8	147.	237.	AG	1587.	0.0	0.0	17.0		
8. NEPPERHAN NB TR	201183.6	233408.6	201137.9	233358.7	68.	222.	AG	1587.	0.0	0.0	17.0		
9. NEPPERHAN NB DEPART	201181.6	233409.5	201258.7	233585.1	192.	24.	AG	1853.	0.0	0.0	17.0		
10. NEPPERHAN SB APP	201191.0	233467.6	201238.9	233592.9	134.	21.	AG	1873.	0.0	0.0	17.0		
11. NEPPERHAN SB LEFT	201168.9	233408.9	201197.3	233463.8	62.	27.	AG	180.	0.0	0.0	9.7		
12. NEPPERHAN SB THRU	201163.3	233413.4	201191.1	233467.7	61.	27.	AG	1693.	0.0	0.0	17.0		
13. NEPPERHAN SB DEPART	201163.3	233413.4	201106.3	233355.4	81.	225.	AG	1866.	0.0	0.0	17.0		
14. NEPPERHAN SB DEPART	201106.3	233355.4	200953.2	233250.4	186.	236.	AG	1866.	0.0	0.0	17.0		
15. ELM ST WB QUEUE	201192.3	233404.6	201217.9	233392.8	28.	115.	AG	0.	100.0	0.0	4.6	0.79	4.7
16. NEPPERHAN NB TR Q	201170.7	233394.4	201139.6	233360.5	46.	223.	AG	0.	100.0	0.0	11.0	0.83	7.7
17. NEPPERHAN SB L Q	201175.4	233421.4	201180.1	233430.5	10.	27.	AG	0.	100.0	0.0	3.7	0.20	1.7
18. NEPPERHAN SB THRU Q	201168.9	233424.1	201183.4	233452.6	32.	27.	AG	0.	100.0	0.0	11.0	0.66	5.3
19. ELM ST EB Q	201143.0	233417.8	201091.7	233429.0	52.	282.	AG	0.	100.0	0.0	4.6	0.89	8.7

JOB: #1 NEPPERHAM & ELM PM NOBUILD RUN: PM10 EF: 0.0253 G/MI, 0.0221 G/HR

DATE : 05/30/ 0
TIME : 19:02:21

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
15. ELM ST WB QUEUE	90	62	2.0	240	1143	0.02	1	3
16. NEPPERHAN NB TR Q	90	47	2.0	1587	1465	0.02	1	3
17. NEPPERHAN SB L Q	90	34	2.0	180	1545	0.02	1	3
18. NEPPERHAN SB THRU Q	90	34	2.0	1693	1479	0.02	1	3
19. ELM ST EB Q	90	62	2.0	402	1689	0.02	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. NW CORNER	201153.9	233422.8	1.8
2. SW CORNER	201144.4	233409.1	1.8
3. NE CORNER	201190.1	233412.3	1.8
4. SE CORNER	201184.2	233395.8	1.8
5. ELM ST NW	201106.2	233433.1	1.8
6. ELM ST SW	201103.3	233419.4	1.8
7. ELM ST NE	201228.6	233393.8	1.8
8. ELM ST SE	201222.6	233378.1	1.8
9. NEPPERHAN SE	201176.0	233387.1	1.8
10. NEPPERHAN SW	201135.2	233397.3	1.8
11. NEPPERHAN SE	201166.0	233375.4	1.8
12. NEPPERHAN SE	201149.6	233357.4	1.8
13. NEPPERHAN SW	201118.0	233380.0	1.8
14. NEPPERHAN NW	201168.5	233450.8	1.8
15. NEPPERHAN NE	201206.7	233434.5	1.8
16. NEPPERHAN NW	201178.2	233470.7	1.8
17. NEPPERHAN NE	201215.6	233455.5	1.8

JOB: #1 NEPPERHAM & ELM PM NOBUILD RUN: PM10 EF: 0.0253 G/MI, 0.0221 G/HR

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 5.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (ug/m**3) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17
5.	0.	0.	5.	5.	0.	1.	1.	2.	5.	0.	4.	4.	0.	0.	4.	0.	4.
10.	0.	0.	5.	6.	0.	1.	1.	1.	5.	1.	5.	4.	0.	0.	3.	0.	3.
15.	0.	1.	5.	6.	0.	1.	0.	1.	6.	1.	5.	5.	0.	0.	3.	0.	3.
20.	1.	1.	5.	5.	0.	0.	0.	1.	5.	1.	5.	6.	1.	1.	2.	1.	2.
25.	2.	2.	4.	4.	0.	1.	0.	1.	4.	2.	5.	6.	1.	2.	1.	2.	1.
30.	2.	2.	3.	3.	0.	1.	0.	1.	4.	2.	4.	5.	2.	2.	1.	3.	0.
35.	3.	3.	2.	2.	0.	1.	0.	1.	2.	3.	3.	4.	2.	3.	0.	3.	0.
40.	3.	4.	1.	1.	1.	1.	0.	1.	2.	4.	2.	3.	3.	3.	0.	4.	0.
45.	4.	4.	1.	1.	1.	2.	0.	1.	1.	4.	1.	2.	4.	3.	0.	3.	0.
50.	4.	4.	1.	1.	1.	2.	0.	1.	1.	4.	1.	1.	4.	3.	0.	3.	0.
55.	3.	4.	0.	1.	1.	2.	0.	1.	1.	4.	0.	0.	4.	3.	0.	3.	0.
60.	3.	4.	0.	1.	1.	2.	0.	1.	1.	4.	1.	0.	4.	3.	0.	3.	0.
65.	3.	4.	0.	1.	1.	2.	0.	1.	1.	4.	0.	0.	4.	3.	0.	3.	0.
70.	3.	3.	0.	1.	1.	2.	0.	1.	1.	4.	0.	0.	4.	3.	0.	3.	0.
75.	3.	3.	0.	1.	1.	2.	0.	1.	1.	4.	0.	0.	4.	3.	0.	3.	0.
80.	3.	3.	0.	1.	1.	2.	0.	1.	1.	4.	0.	0.	4.	3.	0.	3.	0.
85.	3.	3.	0.	1.	1.	2.	0.	1.	1.	3.	0.	0.	4.	3.	0.	2.	0.
90.	2.	3.	0.	1.	1.	2.	0.	1.	1.	3.	0.	0.	3.	2.	0.	2.	0.
95.	2.	3.	0.	1.	1.	2.	0.	1.	1.	3.	1.	0.	3.	3.	0.	2.	0.
100.	3.	3.	0.	1.	2.	2.	0.	1.	1.	3.	1.	0.	3.	2.	0.	2.	0.
105.	3.	3.	0.	1.	2.	2.	0.	1.	1.	3.	0.	0.	3.	2.	0.	2.	0.
110.	3.	3.	1.	1.	2.	2.	1.	1.	1.	3.	0.	0.	3.	2.	0.	2.	0.
115.	4.	3.	1.	1.	2.	2.	1.	1.	0.	3.	0.	0.	3.	3.	0.	2.	0.
120.	4.	3.	1.	1.	2.	2.	1.	1.	0.	3.	0.	0.	2.	3.	0.	2.	0.
125.	3.	2.	1.	0.	2.	1.	1.	0.	0.	3.	0.	0.	2.	3.	0.	2.	0.
130.	3.	2.	1.	0.	2.	1.	1.	0.	0.	3.	0.	0.	3.	3.	0.	2.	0.
135.	3.	3.	1.	0.	2.	1.	1.	0.	0.	3.	0.	0.	2.	3.	0.	3.	0.
140.	3.	3.	1.	0.	2.	1.	1.	0.	0.	3.	0.	0.	2.	3.	0.	3.	0.
145.	3.	2.	1.	0.	2.	1.	1.	0.	0.	3.	0.	0.	2.	3.	0.	3.	0.
150.	3.	2.	1.	0.	2.	1.	1.	0.	0.	3.	0.	0.	2.	3.	0.	3.	0.
155.	3.	2.	1.	0.	2.	1.	1.	0.	0.	3.	0.	0.	2.	3.	0.	3.	0.
160.	3.	3.	1.	0.	2.	1.	1.	0.	0.	3.	0.	0.	2.	3.	0.	3.	0.
165.	3.	3.	1.	0.	2.	1.	1.	0.	0.	3.	0.	0.	2.	3.	0.	3.	0.
170.	3.	3.	1.	0.	2.	1.	1.	0.	0.	3.	0.	0.	3.	3.	0.	3.	0.
175.	3.	3.	1.	0.	2.	1.	1.	0.	0.	3.	0.	0.	3.	3.	0.	3.	0.
180.	3.	3.	1.	0.	2.	1.	1.	0.	0.	3.	0.	0.	3.	3.	0.	3.	0.
185.	3.	3.	1.	0.	2.	1.	1.	0.	0.	3.	0.	0.	3.	3.	0.	3.	0.
190.	3.	3.	1.	0.	2.	1.	1.	0.	0.	3.	0.	0.	3.	3.	0.	3.	0.
195.	3.	3.	2.	0.	2.	1.	1.	0.	0.	3.	0.	0.	3.	3.	0.	3.	0.
200.	4.	4.	2.	0.	2.	1.	1.	0.	0.	4.	0.	0.	4.	3.	0.	3.	1.
205.	4.	4.	3.	0.	2.	1.	1.	0.	0.	4.	0.	0.	4.	3.	1.	2.	1.
210.	4.	4.	3.	1.	2.	1.	1.	0.	1.	4.	0.	0.	4.	3.	2.	2.	2.

JOB: #1 NEPPERHAM & ELM PM NOBUILD RUN: PM10 EF: 0.0253 G/MI, 0.0221 G/HR

WIND ANGLE (DEGR)	* CONCENTRATION (ug/m**3) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17
215.	3.	4.	4.	1.	1.	1.	1.	0.	1.	4.	1.	0.	4.	2.	2.	2.	3.
220.	3.	3.	5.	2.	1.	1.	1.	0.	2.	4.	1.	1.	4.	2.	4.	2.	4.
225.	2.	3.	6.	3.	1.	1.	1.	0.	3.	4.	2.	2.	4.	1.	4.	1.	5.
230.	2.	2.	6.	4.	1.	0.	1.	0.	4.	3.	3.	3.	3.	1.	5.	1.	5.
235.	1.	1.	6.	5.	1.	0.	1.	1.	5.	2.	4.	3.	2.	1.	5.	0.	5.
240.	1.	1.	6.	5.	1.	0.	2.	1.	5.	1.	5.	4.	1.	0.	4.	0.	4.
245.	1.	0.	5.	5.	1.	0.	2.	2.	5.	0.	5.	4.	0.	0.	4.	0.	4.
250.	1.	0.	5.	4.	1.	0.	3.	2.	4.	0.	4.	4.	0.	0.	3.	0.	3.
255.	1.	0.	4.	4.	1.	0.	2.	2.	4.	0.	4.	4.	0.	0.	3.	0.	3.
260.	1.	0.	4.	3.	1.	0.	2.	2.	4.	0.	4.	3.	0.	0.	3.	0.	3.
265.	1.	0.	4.	3.	1.	0.	2.	2.	3.	0.	3.	3.	0.	0.	3.	0.	3.
270.	1.	0.	4.	3.	1.	0.	2.	2.	3.	0.	3.	3.	0.	0.	3.	0.	2.
275.	1.	0.	4.	3.	1.	0.	2.	1.	3.	0.	3.	3.	0.	0.	3.	0.	2.
280.	1.	0.	4.	3.	1.	0.	2.	2.	3.	0.	3.	3.	0.	0.	2.	0.	2.
285.	1.	1.	4.	3.	1.	1.	2.	2.	3.	0.	3.	3.	0.	0.	2.	0.	2.
290.	0.	1.	3.	3.	0.	1.	2.	2.	3.	0.	3.	3.	0.	0.	2.	0.	2.
295.	0.	1.	3.	3.	0.	1.	2.	2.	3.	0.	3.	3.	0.	0.	2.	0.	2.
300.	0.	1.	3.	3.	0.	1.	2.	2.	3.	0.	3.	3.	0.	0.	2.	0.	2.
305.	0.	1.	3.	3.	0.	1.	1.	2.	3.	0.	3.	3.	0.	0.	2.	0.	2.
310.	0.	1.	3.	3.	0.	1.	1.	2.	3.	0.	3.	3.	0.	0.	2.	0.	2.
315.	0.	1.	3.	3.	0.	1.	1.	2.	3.	0.	3.	3.	0.	0.	2.	0.	2.
320.	0.	1.	3.	3.	0.	1.	1.	2.	3.	0.	3.	3.	0.	0.	2.	0.	2.
325.	0.	1.	3.	3.	0.	1.	1.	2.	3.	0.	3.	3.	0.	0.	2.	0.	2.
330.	0.	0.	3.	3.	0.	1.	1.	2.	2.	0.	3.	3.	0.	0.	3.	0.	3.
335.	0.	1.	3.	4.	0.	1.	1.	2.	3.	0.	3.	3.	0.	0.	3.	0.	3.
340.	0.	0.	3.	4.	0.	1.	1.	2.	3.	0.	3.	3.	0.	0.	3.	0.	3.
345.	0.	1.	4.	4.	0.	1.	2.	2.	3.	0.	3.	3.	0.	0.	3.	0.	3.
350.	0.	0.	4.	4.	0.	0.	2.	2.	3.	0.	3.	3.	0.	0.	3.	0.	3.
355.	0.	0.	4.	4.	0.	0.	2.	2.	4.	0.	3.	3.	0.	0.	3.	0.	3.
360.	0.	0.	5.	5.	0.	0.	1.	2.	4.	0.	4.	3.	0.	0.	4.	0.	4.
MAX	4.	4.	6.	6.	2.	2.	3.	2.	6.	4.	5.	6.	4.	3.	5.	4.	5.
DEGR.	205	50	235	10	110	80	250	305	15	50	15	25	50	45	235	40	230

THE HIGHEST CONCENTRATION OF 6. ug/m**3 OCCURRED AT RECEPTOR REC3 .

JOB: #1 NEPPERHAM & ELM PM NOBUILD RUN: PM10 EF: 0.0253 G/MI, 0.0221 G/HR

DATE : 05/30/ 0
TIME : 19:02:21

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

PM/LNK(ug/m**3)
ANGLE (DEGREES)

LINK #	REC1 205	REC2 50	REC3 235	REC4 10	REC5 110	REC6 80	REC7 250	REC8 305	REC9 15	REC10 50	REC11 15	REC12 25	REC13 50	REC14 45	REC15 235	REC16 40	REC17 230
1	0.0	0.0	0.3	0.4	0.2	0.0	0.3	0.7	0.2	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0
2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.2	0.2	0.1	0.0	0.3	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.4	0.4	0.0	0.0	0.7	0.6	0.0	0.1	0.0	0.2	0.0	0.0	0.1	0.0	0.1	0.0	0.1
6	0.6	0.0	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2
7	0.2	0.0	0.4	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3
8	0.2	0.0	2.1	0.8	0.3	0.0	0.5	0.4	1.5	0.0	1.9	2.2	0.1	0.0	0.6	0.0	0.3
9	0.0	1.1	1.0	2.6	0.2	0.5	0.0	0.3	2.2	1.0	1.3	1.3	0.8	1.2	1.6	1.1	2.0
10	0.0	0.2	0.0	1.0	0.0	0.0	0.0	0.0	0.9	0.2	0.7	0.6	0.2	1.3	0.0	2.4	0.0
11	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1
12	0.0	1.5	0.0	0.5	0.3	0.6	0.0	0.3	0.5	1.0	0.8	0.6	0.6	0.9	0.3	0.0	0.6
13	2.1	0.5	1.0	0.0	0.4	0.1	0.3	0.2	0.0	1.6	0.1	0.2	2.2	0.0	1.0	0.0	0.8
14	0.2	0.0	0.9	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.6
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.1	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1
19	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CAL3QHC - (DATED 95221)

CAL3QHC PC (32 BIT) VERSION 3.0.0
(C) COPYRIGHT 1993-2000, TRINITY CONSULTANTS

Run Began on 5/30/2007 at 19:14:24

JOB: #1 NEPPERHAM & ELM PM BUILD W/BALLPARK RUN: PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR

DATE : 05/30/ 0
TIME : 19:14:24

The MODE flag has been set to P for calculating PM averages.

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 108. CM
U = 1.0 M/S CLAS = 5 (E) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 ug/m**3

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	LENGTH (M)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. ELM ST EB DEPART	201168.9	233408.9	201296.1	233350.0	140.	115.	AG	383.	0.0	0.0	13.3		
2. ELM ST EB DEPART	201295.9	233350.0	201454.5	233288.5	170.	111.	AG	383.	0.0	0.0	9.7		
3. ELM ST WB APP	201171.8	233414.2	201298.5	233355.5	140.	115.	AG	240.	0.0	0.0	10.6		
4. ELM ST WB APP	201298.5	233355.5	201456.4	233293.9	169.	111.	AG	240.	0.0	0.0	9.7		
5. ELM ST WB DEPART	201170.4	233412.2	200946.8	233461.1	229.	282.	AG	903.	0.0	0.0	13.3		
6. NEPPERHAN NB APPR	201137.9	233358.7	201087.4	233315.7	66.	230.	AG	2674.	0.0	0.0	17.0		
7. NEPPERHAN NB APPR	201087.4	233315.7	200963.7	233236.8	147.	237.	AG	2674.	0.0	0.0	17.0		
8. NEPPERHAN NB LEFT	201171.9	233407.3	201133.6	233361.6	60.	220.	AG	138.	0.0	0.0	9.7		
9. NEPPERHAN NB TR	201183.6	233408.6	201137.9	233358.7	68.	222.	AG	2536.	0.0	0.0	17.0		
10. NEPPERHAN NB DEPART	201181.6	233409.5	201258.7	233585.1	192.	24.	AG	2427.	0.0	0.0	17.0		
11. NEPPERHAN SB APP	201191.0	233467.6	201238.9	233592.9	134.	21.	AG	2853.	0.0	0.0	17.0		
12. NEPPERHAN SB LEFT	201168.9	233408.9	201197.3	233463.8	62.	27.	AG	180.	0.0	0.0	9.7		
13. NEPPERHAN SB THRU	201163.3	233413.4	201191.1	233467.7	61.	27.	AG	1923.	0.0	0.0	17.0		
14. NEPPERHAN SB RIGHT	201156.1	233415.4	201184.3	233470.7	62.	27.	AG	750.	0.0	0.0	9.7		
15. NEPPERHAN SB DEPART	201163.3	233413.4	201106.3	233355.4	81.	225.	AG	2054.	0.0	0.0	17.0		
16. NEPPERHAN SB DEPART	201106.3	233355.4	200953.2	233250.4	186.	236.	AG	2054.	0.0	0.0	17.0		
17. ELM ST WB QUEUE	201192.3	233404.6	201221.8	233390.9	33.	115.	AG	0.	100.0	0.0	4.6	0.80	5.4
18. NEPPERHAN NB L Q	201164.7	233398.6	201161.0	233394.2	6.	220.	AG	0.	100.0	0.0	3.7	0.12	1.0
19. NEPPERHAN NB TR Q	201170.7	233394.4	201111.8	233330.3	87.	223.	AG	0.	100.0	0.0	11.0	0.98	14.5
20. NEPPERHAN SB L Q	201175.4	233421.4	201178.8	233428.1	8.	27.	AG	0.	100.0	0.0	3.7	0.15	1.2
21. NEPPERHAN SB THRU Q	201168.9	233424.1	201187.3	233460.3	41.	27.	AG	0.	100.0	0.0	11.0	0.73	6.8
22. NEPPERHAN SB R Q	201162.1	233427.0	201192.4	233486.6	67.	27.	AG	0.	100.0	0.0	3.7	0.94	11.1

JOB: #1 NEPPERHAM & ELM PM BUILD W/BALLPARK RUN: PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR

DATE : 05/30/ 0
TIME : 19:14:24

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
17. ELM ST WB QUEUE	90	71	2.0	240	1805	0.02	1	3
18. NEPPERHAN NB L Q	90	25	2.0	138	1718	0.02	1	3
19. NEPPERHAN NB TR Q	90	38	2.0	2536	1620	0.02	1	3
20. NEPPERHAN SB L Q	90	25	2.0	180	1719	0.02	1	3
21. NEPPERHAN SB THRU Q	90	38	2.0	1923	1643	0.02	1	3
22. NEPPERHAN SB R Q	90	38	2.0	750	1503	0.02	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. NW CORNER	201153.9	233422.8	1.8
2. SW CORNER	201144.4	233409.1	1.8
3. NE CORNER	201190.1	233412.3	1.8
4. SE CORNER	201184.2	233395.8	1.8
5. ELM ST NW	201106.2	233433.1	1.8
6. ELM ST SW	201103.3	233419.4	1.8
7. ELM ST NE	201228.6	233393.8	1.8
8. ELM ST SE	201222.6	233378.1	1.8
9. NEPPERHAN SE	201176.0	233387.1	1.8
10. NEPPERHAN SW	201135.2	233397.3	1.8
11. NEPPERHAN SE	201166.0	233375.4	1.8
12. NEPPERHAN SE	201149.6	233357.4	1.8
13. NEPPERHAN SW	201118.0	233380.0	1.8
14. NEPPERHAN NW	201168.5	233450.8	1.8
15. NEPPERHAN NE	201206.7	233434.5	1.8
16. NEPPERHAN NW	201178.2	233470.7	1.8
17. NEPPERHAN NE	201215.6	233455.5	1.8

JOB: #1 NEPPERHAM & ELM PM BUILD W/BALLPARK RUN: PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 5.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (ug/m**3) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17
5.	0.	0.	4.	4.	0.	0.	1.	1.	4.	0.	4.	3.	0.	0.	3.	0.	3.
10.	0.	0.	4.	4.	0.	0.	1.	1.	4.	0.	4.	4.	0.	0.	3.	0.	2.
15.	0.	1.	4.	4.	0.	0.	0.	1.	4.	0.	4.	4.	0.	0.	2.	0.	2.
20.	1.	1.	4.	4.	0.	1.	0.	0.	4.	1.	4.	4.	0.	1.	2.	1.	1.
25.	2.	2.	3.	3.	0.	0.	0.	0.	4.	1.	4.	4.	1.	2.	1.	2.	1.
30.	3.	3.	2.	2.	0.	0.	0.	0.	3.	2.	3.	4.	2.	2.	0.	2.	0.
35.	3.	3.	1.	1.	0.	1.	0.	0.	2.	3.	2.	3.	2.	3.	0.	3.	0.
40.	4.	3.	1.	1.	1.	1.	0.	0.	1.	3.	2.	2.	3.	3.	0.	3.	0.
45.	4.	3.	1.	1.	1.	1.	0.	0.	1.	3.	1.	1.	3.	3.	0.	3.	0.
50.	3.	3.	0.	1.	1.	2.	0.	0.	1.	3.	1.	1.	3.	3.	0.	3.	0.
55.	3.	3.	0.	1.	1.	2.	0.	0.	1.	3.	0.	0.	3.	3.	0.	3.	0.
60.	3.	3.	0.	0.	1.	2.	0.	0.	1.	3.	0.	0.	3.	3.	0.	2.	0.
65.	3.	3.	0.	0.	1.	2.	0.	0.	1.	2.	0.	0.	3.	3.	0.	2.	0.
70.	2.	3.	0.	0.	1.	2.	0.	0.	1.	3.	0.	0.	2.	3.	0.	2.	0.
75.	2.	3.	0.	0.	1.	2.	0.	0.	1.	2.	0.	0.	2.	2.	0.	2.	0.
80.	2.	3.	0.	0.	1.	2.	0.	0.	1.	2.	0.	0.	2.	2.	0.	2.	0.
85.	2.	2.	0.	0.	1.	2.	0.	0.	0.	2.	0.	0.	2.	2.	0.	2.	0.
90.	2.	2.	0.	1.	1.	2.	0.	0.	0.	2.	0.	0.	2.	2.	0.	2.	0.
95.	2.	2.	0.	1.	1.	2.	0.	1.	0.	2.	0.	0.	2.	2.	0.	2.	0.
100.	2.	2.	0.	1.	2.	2.	0.	1.	0.	2.	0.	0.	2.	2.	0.	2.	0.
105.	2.	2.	0.	1.	2.	2.	0.	1.	1.	2.	0.	0.	2.	2.	0.	2.	0.
110.	3.	2.	0.	1.	2.	1.	0.	1.	0.	2.	0.	0.	2.	2.	0.	2.	0.
115.	3.	2.	1.	1.	2.	1.	1.	1.	0.	2.	0.	0.	2.	2.	0.	2.	0.
120.	3.	2.	1.	0.	2.	1.	1.	0.	0.	2.	0.	0.	2.	2.	0.	2.	0.
125.	3.	2.	1.	0.	2.	1.	1.	0.	0.	2.	0.	0.	2.	2.	0.	2.	0.
130.	3.	2.	1.	0.	2.	1.	1.	0.	0.	2.	0.	0.	2.	2.	0.	2.	0.
135.	3.	2.	1.	0.	2.	1.	0.	0.	0.	2.	0.	0.	2.	2.	0.	2.	0.
140.	3.	2.	1.	0.	2.	1.	0.	0.	0.	2.	0.	0.	2.	2.	0.	2.	0.
145.	3.	2.	1.	0.	2.	1.	0.	0.	0.	2.	0.	0.	2.	3.	0.	2.	0.
150.	3.	2.	1.	0.	2.	1.	0.	0.	0.	2.	0.	0.	2.	3.	0.	2.	0.
155.	2.	2.	1.	0.	1.	1.	0.	0.	0.	2.	0.	0.	2.	3.	0.	3.	0.
160.	2.	2.	1.	0.	2.	1.	0.	0.	0.	2.	0.	0.	2.	3.	0.	3.	0.
165.	3.	2.	0.	0.	1.	1.	0.	0.	0.	2.	0.	0.	2.	3.	0.	3.	0.
170.	3.	2.	0.	0.	2.	1.	0.	0.	0.	2.	0.	0.	2.	3.	0.	3.	0.
175.	2.	2.	0.	0.	1.	1.	0.	0.	0.	2.	0.	0.	2.	3.	0.	3.	0.
180.	3.	2.	1.	0.	1.	1.	0.	0.	0.	2.	0.	0.	2.	3.	0.	3.	0.
185.	3.	2.	1.	0.	1.	1.	0.	0.	0.	2.	0.	0.	2.	3.	0.	3.	0.
190.	3.	2.	1.	0.	1.	1.	0.	0.	0.	2.	0.	0.	2.	3.	0.	3.	0.
195.	3.	2.	1.	0.	1.	1.	0.	0.	0.	2.	0.	0.	2.	3.	0.	3.	0.
200.	3.	3.	2.	0.	1.	1.	0.	0.	0.	3.	0.	0.	2.	3.	0.	3.	1.
205.	3.	3.	2.	0.	1.	1.	0.	0.	0.	3.	0.	0.	3.	2.	1.	2.	1.
210.	3.	3.	2.	0.	1.	1.	0.	0.	0.	3.	0.	0.	3.	2.	1.	2.	2.

JOB: #1 NEPPERHAM & ELM PM BUILD W/BALLPARK RUN: PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR

WIND ANGLE (DEGR)	* CONCENTRATION (ug/m**3) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17
215.	3.	3.	3.	1.	1.	1.	0.	0.	1.	3.	1.	0.	3.	2.	2.	2.	2.
220.	2.	2.	4.	2.	1.	1.	0.	0.	2.	3.	1.	1.	3.	2.	3.	1.	3.
225.	2.	2.	5.	3.	1.	0.	0.	0.	3.	2.	2.	2.	2.	1.	4.	1.	4.
230.	1.	1.	5.	4.	1.	0.	1.	0.	4.	2.	3.	2.	2.	1.	4.	1.	4.
235.	1.	1.	5.	4.	1.	0.	1.	1.	4.	1.	4.	3.	1.	0.	4.	0.	4.
240.	1.	0.	5.	4.	1.	0.	2.	1.	4.	1.	4.	4.	1.	0.	3.	0.	3.
245.	1.	0.	4.	4.	1.	0.	2.	1.	4.	0.	4.	4.	0.	0.	3.	0.	3.
250.	1.	0.	4.	3.	1.	0.	2.	2.	4.	0.	4.	4.	0.	0.	3.	0.	2.
255.	1.	0.	3.	3.	1.	0.	2.	2.	3.	0.	3.	3.	0.	0.	2.	0.	2.
260.	1.	0.	3.	3.	1.	0.	2.	1.	3.	0.	3.	3.	0.	0.	2.	0.	2.
265.	1.	0.	3.	2.	1.	0.	2.	1.	3.	0.	3.	3.	0.	0.	2.	0.	2.
270.	1.	0.	3.	2.	1.	0.	2.	1.	2.	0.	2.	3.	0.	0.	2.	0.	2.
275.	1.	0.	3.	2.	1.	0.	2.	1.	2.	0.	2.	2.	0.	0.	2.	0.	2.
280.	1.	1.	3.	2.	1.	1.	2.	1.	2.	0.	2.	2.	0.	0.	2.	0.	2.
285.	1.	1.	3.	2.	1.	1.	2.	1.	2.	0.	2.	2.	0.	0.	2.	0.	2.
290.	1.	1.	3.	3.	0.	1.	2.	1.	2.	0.	2.	2.	0.	0.	2.	0.	2.
295.	0.	1.	2.	3.	0.	1.	2.	2.	2.	0.	2.	2.	0.	0.	2.	0.	2.
300.	0.	1.	2.	3.	0.	1.	1.	2.	2.	0.	2.	2.	0.	0.	2.	0.	2.
305.	0.	1.	2.	3.	0.	1.	1.	2.	2.	0.	2.	2.	0.	0.	2.	0.	2.
310.	0.	1.	2.	3.	0.	1.	1.	2.	2.	0.	2.	2.	0.	0.	2.	0.	2.
315.	0.	1.	2.	3.	0.	1.	1.	2.	2.	0.	2.	2.	0.	0.	2.	0.	2.
320.	0.	1.	2.	3.	0.	1.	1.	2.	2.	0.	2.	2.	0.	0.	2.	0.	2.
325.	0.	1.	2.	3.	0.	1.	1.	2.	2.	0.	2.	2.	0.	0.	2.	0.	2.
330.	0.	0.	2.	3.	0.	1.	1.	2.	2.	0.	2.	2.	0.	0.	2.	0.	2.
335.	0.	1.	2.	3.	0.	1.	1.	2.	2.	0.	2.	2.	0.	0.	2.	0.	2.
340.	0.	0.	2.	3.	0.	0.	1.	2.	2.	0.	2.	2.	0.	0.	2.	0.	2.
345.	0.	1.	3.	3.	0.	1.	1.	2.	3.	0.	2.	2.	0.	0.	2.	0.	2.
350.	0.	0.	3.	3.	0.	1.	1.	2.	3.	0.	3.	2.	0.	0.	2.	0.	2.
355.	0.	0.	3.	3.	0.	0.	1.	2.	3.	0.	3.	3.	0.	0.	2.	0.	3.
360.	0.	0.	4.	4.	0.	0.	1.	1.	3.	0.	3.	3.	0.	0.	3.	0.	3.
MAX	4.	3.	5.	4.	2.	2.	2.	2.	4.	3.	4.	4.	3.	3.	4.	3.	4.
DEGR.	45	40	230	235	115	95	245	300	15	50	20	25	50	50	230	195	230

THE HIGHEST CONCENTRATION OF 5. ug/m**3 OCCURRED AT RECEPTOR REC3 .

JOB: #1 NEPPERHAM & ELM PM BUILD W/BALLPARK RUN: PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR

DATE : 05/30/ 0
TIME : 19:14:24

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

PM/LNK(ug/m**3)
ANGLE (DEGREES)

LINK #	REC1 45	REC2 40	REC3 230	REC4 235	REC5 115	REC6 95	REC7 245	REC8 300	REC9 15	REC10 50	REC11 20	REC12 25	REC13 50	REC14 50	REC15 230	REC16 195	REC17 230
1	0.0	0.0	0.2	0.0	0.1	0.1	0.2	0.4	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.4	0.0	0.0	0.9	0.8	0.0	0.3	0.0	0.3	0.0	0.1	0.2	0.0	0.1	0.1	0.1
6	0.0	0.0	0.5	0.6	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2
7	0.0	0.0	0.4	0.5	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3
8	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	2.0	2.0	0.3	0.2	0.3	0.4	1.3	0.0	1.7	2.0	0.1	0.0	0.8	0.5	0.3
10	0.9	0.8	0.7	0.0	0.1	0.2	0.0	0.1	1.6	0.8	1.3	0.9	0.6	0.9	1.1	0.1	1.5
11	0.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.1	0.6	0.5	0.1	0.9	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1
13	1.1	0.8	0.0	0.0	0.1	0.2	0.0	0.1	0.4	0.7	0.4	0.4	0.4	0.7	0.1	0.9	0.4
14	0.8	0.5	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.2	0.1	0.1	0.1	0.6	0.0	0.8	0.1
15	0.0	0.1	0.4	0.2	0.3	0.2	0.1	0.2	0.0	1.0	0.0	0.1	1.3	0.0	0.5	0.4	0.5
16	0.0	0.0	0.4	0.5	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.4
17	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.2	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.1	0.1	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
22	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0

CAL3QHC PC (32 BIT) VERSION 3.0.0
(C) COPYRIGHT 1993-2000, TRINITY CONSULTANTS

Run Began on 5/30/2007 at 18:59:40

JOB: #1 NEPPERHAM & ELM PM NOBUILD RUN: PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR

DATE : 05/30/ 0
TIME : 18:59:40

The MODE flag has been set to P for calculating PM averages.

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 108. CM
U = 1.0 M/S CLAS = 5 (E) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 ug/m**3

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	LENGTH (M)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. ELM ST EB DEPART	201168.9	233408.9	201296.1	233350.0	140.	115.	AG	383.	0.0	0.0	9.7		
2. ELM ST EB DEPART	201295.9	233350.0	201454.5	233288.5	170.	111.	AG	383.	0.0	0.0	9.7		
3. ELM ST WB APP	201171.8	233414.2	201298.5	233355.5	140.	115.	AG	240.	0.0	0.0	10.6		
4. ELM ST WB APP	201298.5	233355.5	201456.4	233293.9	169.	111.	AG	240.	0.0	0.0	9.7		
5. ELM ST EB APP	201170.4	233412.2	200946.8	233461.1	229.	282.	AG	402.	0.0	0.0	13.3		
6. NEPPERHAN NB APPR	201137.9	233358.7	201087.4	233315.7	66.	230.	AG	1587.	0.0	0.0	17.0		
7. NEPPERHAN NB APPR	201087.4	233315.7	200963.7	233236.8	147.	237.	AG	1587.	0.0	0.0	17.0		
8. NEPPERHAN NB TR	201183.6	233408.6	201137.9	233358.7	68.	222.	AG	1587.	0.0	0.0	17.0		
9. NEPPERHAN NB DEPART	201181.6	233409.5	201258.7	233585.1	192.	24.	AG	1853.	0.0	0.0	17.0		
10. NEPPERHAN SB APP	201191.0	233467.6	201238.9	233592.9	134.	21.	AG	1873.	0.0	0.0	17.0		
11. NEPPERHAN SB LEFT	201168.9	233408.9	201197.3	233463.8	62.	27.	AG	180.	0.0	0.0	9.7		
12. NEPPERHAN SB THRU	201163.3	233413.4	201191.1	233467.7	61.	27.	AG	1693.	0.0	0.0	17.0		
13. NEPPERHAN SB DEPART	201163.3	233413.4	201106.3	233355.4	81.	225.	AG	1866.	0.0	0.0	17.0		
14. NEPPERHAN SB DEPART	201106.3	233355.4	200953.2	233250.4	186.	236.	AG	1866.	0.0	0.0	17.0		
15. ELM ST WB QUEUE	201192.3	233404.6	201217.9	233392.8	28.	115.	AG	0.	100.0	0.0	4.6	0.79	4.7
16. NEPPERHAN NB TR Q	201170.7	233394.4	201139.6	233360.5	46.	223.	AG	0.	100.0	0.0	11.0	0.83	7.7
17. NEPPERHAN SB L Q	201175.4	233421.4	201180.1	233430.5	10.	27.	AG	0.	100.0	0.0	3.7	0.20	1.7
18. NEPPERHAN SB THRU Q	201168.9	233424.1	201183.4	233452.6	32.	27.	AG	0.	100.0	0.0	11.0	0.66	5.3
19. ELM ST EB Q	201143.0	233417.8	201091.7	233429.0	52.	282.	AG	0.	100.0	0.0	4.6	0.89	8.7

JOB: #1 NEPPERHAM & ELM PM NOBUILD RUN: PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR

DATE : 05/30/ 0
TIME : 18:59:40

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
15. ELM ST WB QUEUE	90	62	2.0	240	1143	0.02	1	3
16. NEPPERHAN NB TR Q	90	47	2.0	1587	1465	0.02	1	3
17. NEPPERHAN SB L Q	90	34	2.0	180	1545	0.02	1	3
18. NEPPERHAN SB THRU Q	90	34	2.0	1693	1479	0.02	1	3
19. ELM ST EB Q	90	62	2.0	402	1689	0.02	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. NW CORNER	201153.9	233422.8	1.8
2. SW CORNER	201144.4	233409.1	1.8
3. NE CORNER	201190.1	233412.3	1.8
4. SE CORNER	201184.2	233395.8	1.8
5. ELM ST NW	201106.2	233433.1	1.8
6. ELM ST SW	201103.3	233419.4	1.8
7. ELM ST NE	201228.6	233393.8	1.8
8. ELM ST SE	201222.6	233378.1	1.8
9. NEPPERHAN SE	201176.0	233387.1	1.8
10. NEPPERHAN SW	201135.2	233397.3	1.8
11. NEPPERHAN SE	201166.0	233375.4	1.8
12. NEPPERHAN SE	201149.6	233357.4	1.8
13. NEPPERHAN SW	201118.0	233380.0	1.8
14. NEPPERHAN NW	201168.5	233450.8	1.8
15. NEPPERHAN NE	201206.7	233434.5	1.8
16. NEPPERHAN NW	201178.2	233470.7	1.8
17. NEPPERHAN NE	201215.6	233455.5	1.8

JOB: #1 NEPPERHAM & ELM PM NOBUILD RUN: PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 5.-360.

WIND ANGLE (DEGR)	CONCENTRATION (ug/m**3) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17
5.	0.	0.	3.	3.	0.	0.	1.	1.	3.	0.	2.	2.	0.	0.	2.	0.	2.
10.	0.	0.	3.	3.	0.	0.	0.	1.	3.	0.	3.	3.	0.	0.	2.	0.	2.
15.	0.	0.	3.	3.	0.	0.	0.	1.	3.	0.	3.	3.	0.	0.	2.	0.	2.
20.	0.	1.	3.	3.	0.	0.	0.	0.	3.	1.	3.	3.	0.	1.	1.	1.	1.
25.	1.	1.	2.	2.	0.	0.	0.	0.	3.	1.	3.	3.	1.	1.	1.	1.	1.
30.	1.	1.	2.	2.	0.	0.	0.	0.	2.	1.	2.	3.	1.	1.	0.	2.	0.
35.	2.	2.	1.	1.	0.	1.	0.	0.	1.	2.	2.	2.	1.	2.	0.	2.	0.
40.	2.	2.	1.	1.	0.	1.	0.	0.	1.	2.	1.	1.	2.	2.	0.	2.	0.
45.	2.	2.	0.	0.	0.	1.	0.	0.	1.	2.	1.	1.	2.	2.	0.	2.	0.
50.	2.	2.	0.	0.	1.	1.	0.	0.	1.	2.	0.	0.	2.	2.	0.	2.	0.
55.	2.	2.	0.	0.	1.	1.	0.	0.	0.	2.	0.	0.	2.	2.	0.	2.	0.
60.	2.	2.	0.	0.	1.	1.	0.	0.	0.	2.	0.	0.	2.	2.	0.	2.	0.
65.	2.	2.	0.	0.	1.	1.	0.	0.	0.	2.	0.	0.	2.	2.	0.	2.	0.
70.	2.	2.	0.	1.	1.	1.	0.	0.	0.	2.	0.	0.	2.	2.	0.	2.	0.
75.	2.	2.	0.	1.	1.	1.	0.	0.	1.	2.	0.	0.	2.	1.	0.	2.	0.
80.	2.	2.	0.	1.	1.	1.	0.	0.	0.	2.	0.	0.	2.	2.	0.	1.	0.
85.	2.	2.	0.	1.	1.	1.	0.	0.	0.	2.	0.	0.	2.	2.	0.	1.	0.
90.	2.	2.	0.	1.	1.	1.	0.	0.	0.	2.	0.	0.	2.	1.	0.	1.	0.
95.	1.	2.	0.	1.	1.	1.	0.	1.	0.	2.	0.	0.	2.	1.	0.	1.	0.
100.	2.	2.	0.	1.	1.	1.	0.	1.	0.	2.	0.	0.	2.	2.	0.	1.	0.
105.	2.	2.	0.	1.	1.	1.	0.	1.	0.	2.	0.	0.	2.	2.	0.	1.	0.
110.	2.	2.	0.	1.	1.	1.	0.	1.	0.	2.	0.	0.	2.	2.	0.	1.	0.
115.	2.	2.	0.	1.	1.	1.	1.	1.	0.	2.	0.	0.	1.	2.	0.	1.	0.
120.	2.	1.	1.	0.	1.	1.	1.	0.	0.	2.	0.	0.	1.	2.	0.	1.	0.
125.	2.	1.	1.	0.	1.	1.	1.	0.	0.	2.	0.	0.	2.	2.	0.	1.	0.
130.	2.	1.	1.	0.	1.	1.	1.	0.	0.	2.	0.	0.	1.	2.	0.	1.	0.
135.	2.	1.	1.	0.	1.	1.	0.	0.	0.	2.	0.	0.	2.	2.	0.	1.	0.
140.	2.	1.	1.	0.	1.	1.	0.	0.	0.	2.	0.	0.	1.	2.	0.	2.	0.
145.	2.	1.	1.	0.	1.	1.	0.	0.	0.	2.	0.	0.	1.	2.	0.	2.	0.
150.	2.	1.	1.	0.	1.	1.	0.	0.	0.	2.	0.	0.	1.	2.	0.	2.	0.
155.	2.	1.	1.	0.	1.	1.	0.	0.	0.	2.	0.	0.	1.	2.	0.	2.	0.
160.	2.	2.	1.	0.	1.	1.	0.	0.	0.	1.	0.	0.	1.	2.	0.	2.	0.
165.	2.	2.	0.	0.	1.	1.	0.	0.	0.	2.	0.	0.	1.	2.	0.	2.	0.
170.	2.	2.	0.	0.	1.	1.	0.	0.	0.	2.	0.	0.	2.	2.	0.	2.	0.
175.	2.	2.	1.	0.	1.	1.	0.	0.	0.	2.	0.	0.	1.	2.	0.	2.	0.
180.	2.	2.	1.	0.	1.	1.	0.	0.	0.	2.	0.	0.	2.	2.	0.	2.	0.
185.	2.	2.	1.	0.	1.	1.	0.	0.	0.	2.	0.	0.	2.	2.	0.	2.	0.
190.	2.	2.	1.	0.	1.	1.	0.	0.	0.	2.	0.	0.	2.	2.	0.	2.	0.
195.	2.	2.	1.	0.	1.	1.	0.	0.	0.	2.	0.	0.	2.	2.	0.	2.	0.
200.	2.	2.	1.	0.	1.	1.	0.	0.	0.	2.	0.	0.	2.	2.	0.	2.	0.
205.	2.	2.	1.	0.	1.	1.	0.	0.	0.	2.	0.	0.	2.	2.	1.	1.	1.
210.	2.	2.	2.	0.	1.	1.	0.	0.	0.	2.	0.	0.	2.	1.	1.	1.	1.

JOB: #1 NEPPERHAM & ELM PM NOBUILD RUN: PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR

WIND ANGLE (DEGR)	* CONCENTRATION (ug/m**3) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17
215.	2.	2.	2.	1.	1.	1.	0.	0.	0.	2.	0.	0.	2.	1.	2.	1.	2.
220.	2.	2.	3.	1.	1.	0.	0.	0.	1.	2.	1.	0.	2.	1.	2.	1.	2.
225.	1.	2.	3.	2.	0.	0.	0.	0.	2.	2.	1.	1.	2.	1.	2.	1.	3.
230.	1.	1.	4.	2.	0.	0.	1.	0.	2.	2.	2.	1.	2.	1.	3.	0.	3.
235.	1.	1.	4.	3.	0.	0.	1.	0.	3.	1.	2.	2.	1.	0.	3.	0.	3.
240.	0.	0.	3.	3.	0.	0.	1.	1.	3.	1.	3.	2.	0.	0.	2.	0.	2.
245.	0.	0.	3.	3.	0.	0.	2.	1.	3.	0.	3.	2.	0.	0.	2.	0.	2.
250.	0.	0.	3.	2.	0.	0.	2.	1.	2.	0.	3.	2.	0.	0.	2.	0.	2.
255.	0.	0.	2.	2.	0.	0.	1.	1.	2.	0.	2.	2.	0.	0.	2.	0.	2.
260.	0.	0.	2.	2.	1.	0.	2.	1.	2.	0.	2.	2.	0.	0.	2.	0.	2.
265.	1.	0.	2.	2.	0.	0.	2.	1.	2.	0.	2.	2.	0.	0.	2.	0.	2.
270.	1.	0.	2.	2.	1.	0.	1.	1.	2.	0.	2.	2.	0.	0.	2.	0.	2.
275.	1.	0.	2.	2.	1.	0.	1.	1.	2.	0.	2.	2.	0.	0.	2.	0.	1.
280.	0.	0.	2.	1.	0.	0.	2.	1.	2.	0.	2.	2.	0.	0.	2.	0.	1.
285.	0.	0.	2.	2.	0.	0.	1.	1.	2.	0.	2.	2.	0.	0.	2.	0.	1.
290.	0.	1.	2.	2.	0.	0.	1.	1.	2.	0.	2.	2.	0.	0.	2.	0.	1.
295.	0.	0.	2.	2.	0.	0.	1.	1.	2.	0.	2.	2.	0.	0.	2.	0.	1.
300.	0.	1.	2.	2.	0.	0.	1.	1.	2.	0.	2.	2.	0.	0.	2.	0.	1.
305.	0.	0.	2.	2.	0.	1.	1.	1.	2.	0.	2.	2.	0.	0.	2.	0.	1.
310.	0.	0.	2.	2.	0.	0.	1.	1.	2.	0.	2.	2.	0.	0.	1.	0.	1.
315.	0.	0.	2.	2.	0.	0.	1.	1.	2.	0.	2.	2.	0.	0.	1.	0.	1.
320.	0.	0.	2.	2.	0.	0.	1.	1.	2.	0.	2.	2.	0.	0.	2.	0.	1.
325.	0.	0.	2.	2.	0.	0.	1.	1.	2.	0.	2.	2.	0.	0.	1.	0.	1.
330.	0.	0.	2.	2.	0.	0.	1.	1.	1.	0.	2.	2.	0.	0.	1.	0.	2.
335.	0.	0.	2.	2.	0.	0.	1.	1.	2.	0.	2.	2.	0.	0.	2.	0.	2.
340.	0.	0.	2.	2.	0.	0.	1.	1.	2.	0.	2.	2.	0.	0.	2.	0.	2.
345.	0.	0.	2.	2.	0.	0.	1.	1.	2.	0.	2.	2.	0.	0.	2.	0.	2.
350.	0.	0.	2.	2.	0.	0.	1.	1.	2.	0.	2.	2.	0.	0.	2.	0.	2.
355.	0.	0.	2.	2.	0.	0.	1.	1.	2.	0.	2.	2.	0.	0.	2.	0.	2.
360.	0.	0.	3.	3.	0.	0.	1.	1.	2.	0.	2.	2.	0.	0.	2.	0.	2.
MAX	2.	2.	4.	3.	1.	1.	2.	1.	3.	2.	3.	3.	2.	2.	3.	2.	3.
DEGR.	50	50	235	10	115	95	245	305	15	50	15	25	220	160	230	185	230

THE HIGHEST CONCENTRATION OF 4. ug/m**3 OCCURRED AT RECEPTOR REC3 .

JOB: #1 NEPPERHAM & ELM PM NOBUILD RUN: PM2.5 EF: 0.0142 G/MI, 0.0202 G/HR

DATE : 05/30/ 0
TIME : 18:59:40

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

PM/LNK(ug/m**3)
ANGLE (DEGREES)

LINK #	REC1 50	REC2 50	REC3 235	REC4 10	REC5 115	REC6 95	REC7 245	REC8 305	REC9 15	REC10 50	REC11 15	REC12 25	REC13 220	REC14 160	REC15 230	REC16 185	REC17 230
1	0.0	0.0	0.2	0.2	0.1	0.1	0.2	0.4	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.2	0.0	0.0	0.4	0.3	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.1
7	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.2	0.0	0.2
8	0.0	0.0	1.2	0.4	0.2	0.1	0.2	0.2	0.8	0.0	1.0	1.3	0.0	0.2	0.5	0.3	0.2
9	0.7	0.6	0.5	1.5	0.1	0.2	0.0	0.2	1.2	0.6	0.7	0.7	0.0	0.4	0.9	0.2	1.1
10	0.2	0.1	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.1	0.4	0.3	0.0	0.0	0.0	0.0	0.0
11	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.1
12	1.0	0.8	0.0	0.3	0.1	0.2	0.0	0.2	0.3	0.6	0.5	0.3	0.0	0.9	0.1	1.0	0.3
13	0.0	0.3	0.6	0.0	0.3	0.2	0.1	0.1	0.0	0.9	0.0	0.1	0.7	0.0	0.5	0.1	0.5
14	0.0	0.0	0.5	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.4	0.0	0.3
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.1	0.1	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.0	0.2	0.0
19	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PARKING FACILITIES

	PM Peak hour		Sat Peak hour	
Parking Facility	Ins	Outs	Ins	Outs
Cacace Center	110	63	83	74
River Park Central Parking (Stadium/Retail)				
New Main St to L1	304	328	426	396
Nepperhan Ave to L5/Res L1	138	91	111	102
Palisade Ave/Elm St to L3	140	245	201	296
Palisade Ave	140	152	201	186
Palisade Ave to L1	70	76	100	93
Central Parking Total	792	892	1039	1073
Elm St to Office	17	85	15	13
Office (Elm St)	26	127	23	19
Totals	945	1167	1160	1179

Central Parking (RiverPark Stadium)														
			Height		1-hr		Mean Travel Distance, ft			Idle time	1-hour average emissions, g/sec			
Level	Spaces	El., ft	AGL, ft		Ins	Outs	On Level	Ramp	Total	min/veh	In-5 mph	Out-Idle	Out-5 mph	Total
6	588	134.5	79.5	Parking	313	386	470	647	1117	1.00	0.16	0.48	1.38	2.02
				Pass-thru	0	0		0	0	0.00	0.00	0.00	0.00	0.00
				Total										2.02
5	318	101.5	46.5	Parking	169	209	308	278	586	1.00	0.05	0.26	0.39	0.70
				Pass-thru	313	386		278	278	0.00	0.04	0.00	0.34	0.38
				Total										1.08
4	201	90.5	35.5	Parking	107	132	249	174	423	1.00	0.02	0.16	0.18	0.36
				Pass-thru	482	595		174	174	0.00	0.04	0.00	0.33	0.37
				Total										0.73
3	182	79.5	24.5	Parking	97	120	226	174	400	1.00	0.02	0.15	0.15	0.32
				Pass-thru	589	727		174	174	0.00	0.05	0.00	0.40	0.45
				Total										0.77
2	226	68.5	13.5	Parking	120	148	257	261	518	1.00	0.03	0.19	0.25	0.46
				Pass-thru	685	847		261	261	0.00	0.08	0.00	0.71	0.79
				Total										1.25
1	262	57.5	2.5	Parking	139	172	257	174	431	1.00	0.03	0.21	0.24	0.48
				Pass-thru	806	995		174	174	0.00	0.06	0.00	0.55	0.62
				Total										1.10
Total	1777										0.58	1.46	4.93	6.96
Grade elevation		55.0												
	Total Ins/Outs for Parking Facilities				945	1167					LDV Composite Emission factors (2012)			
				PM	945	1167					Warm	Cold-start		
				Sat	1160	1179					MOBILE6	(MOBILE5b)		
SCREEN3 model inputs											5 mph	Idle	5 mph	
Stadium/Parking Structure dimensions											g/veh-mi	g/veh-hr	g/veh-mi	
Min. horizontal dimension, ft			619								8.77	269.59	60.86	
Max. horizontal dimension, ft			790											
			Height											
		El., ft	AGL, ft											
Grade elevation		55.0												
Emission point		134.5	79.5											
Terrain:														
Palisade Ave, Elm St		55.0	0.0											
Nepperhan Ave		75.0	20.0											
Nepperhan Ave & Elm St		110.0	55.0											

	River Park Parking Garage Modeling Results SCREEN3 Point Source with Building Downwash			
				NAAQS
	Modeled normalized 1-hr concentration	703.6	(ug/m3)/(g/s)	
×	1-hr average CO emission rate from garage	6.96	g/s	
=	Modeled 1-hr CO concentration from garage	4,897.4	ug/m3	
=		4.3	ppm	
+	Modeled 1-hr CO concentration from adjacent street traffic	2.1	ppm	
=	**Total modeled 1-hr CO concentration**	**6.4**	ppm	
+	Background 1-hr CO concentration*	3.7	ppm	
=	**Total 1-hr CO concentration**	**10.1**	**ppm**	**35.0 ppm**
	Total modeled 1-hr CO concentration	6.4	ppm	
×	Persistence factor*	0.7		
=	**Total modeled 8-hr CO concentration**	**4.5**	ppm	
+	Background 8-hr CO concentration*	2.6	ppm	
=	Total 8-hr CO concentration, ppm*	**7.1**	ppm	**9.0 ppm**
	*NYSDOT EPM 2001, Chapter 1.1, Table 8			

		NYSDOT	MOBILE6	
		County:	Westchester	
		Analysis Year:	2009	
	NYSDOT Default Vehicle Mix?		Yes	
		Road Functional Class:	17/19	
		Vehicle Speed:	5 mph	idle
Veh. Type	Veh. %	LDV % *	CO g/mi	CO g/hr
LDGV	56.24%	58.03%	9.22	42.02
LDGT1	6.31%	6.51%	8.14	36.05
LDGT2	21.10%	21.77%	8.58	38.08
LDGT3	8.42%	8.69%	7.83	34.77
LDGT4	3.96%	4.09%	7.94	35.25
HDGV2B	0.75%		25.79	80.70
HDGV3	0.32%		31.13	97.40
HDGV4	0.12%		30.28	94.75
HDGV5	0.13%		38.83	121.50
HDGV6	0.07%		44.36	138.80
HDGV7	0.10%		45.33	141.82
HDGV8A	0.13%		55.04	172.22
LDDV	0.13%	0.13%	3.05	9.35
LDDT12	0.13%	0.13%	1.11	3.41
LDDT34	0.62%	0.64%	1.29	3.41
HDDV2B	0.09%		1.55	4.75
HDDV3	0.07%		1.81	5.54
HDDV4	0.07%		2.09	6.40
HDDV5	0.06%		2.27	6.97
HDDV6	0.06%		2.68	8.20
HDDV7	0.16%		3.30	10.10
HDDV8A	0.34%		6.18	18.93
HDDV8B	0.30%		4.99	15.27
HDGB	0.06%		61.10	191.18
HDDBT	0.13%		10.52	32.22
HDDBS	0.13%		5.00	15.33
MC	0.00%		53.36	231.56
Total	100.00%	100.00%	9.13	40.28
LDV Total	**96.91%**	**100.00%**	**8.77**	**39.52**
* Light duty vehicle mix redistributed to total 100%				

Carbon Monoxide Emission Factor Table EF1												
MOBILE5B Carbon Monoxide Idle Emission Factors (gm/hour) and Emission Factors (gm/mi)												
For Westchester, Rockland, Nassau, Suffolk, Bronx, Kings, Queens, and Richmond												
Speed	Year	%Cold	LDGV	LDGT1	LDGT2	HDGT	LDDV	LDDT	HDDV	MC		
0	2012	0%	70.63	113.34	94.62	149.39	9.08	11.12	94.66	339.31		
0	2012	10%	80.46	128.64	110.31	149.39	9.88	12.07	94.66	404.80	Table EF1	
0	2012	20%	90.29	143.94	126.00	149.39	10.68	13.02	94.66	470.29		
0	2012	30%	100.38	159.61	142.10	149.39	11.51	14.01	94.66	539.80		
0	2012	40%	112.52	177.84	160.76	149.39	12.45	15.12	94.66	616.42		
0	2012	45%	120.23	189.56	172.46	149.39	12.97	15.74	94.66	658.08		
0	2012	50%	128.23	201.68	184.58	149.39	13.50	16.37	94.66	701.07		
0	2012	60%	145.90	228.27	211.16	149.39	14.67	17.76	94.66	794.78		
0	2012	65%	155.66	242.84	225.73	149.39	15.31	18.52	94.66	845.89		
0	2012	70%	165.42	257.41	240.30	149.39	15.95	19.28	94.66	897.00	Extrapolated from Table EF1, which lists emission factors for up to 65% cold starts	
0	2012	75%	175.18	271.98	254.87	149.39	16.59	20.04	94.66	948.11		
0	2012	80%	184.94	286.55	269.44	149.39	17.23	20.80	94.66	999.22		
0	2012	85%	194.70	301.12	284.01	149.39	17.87	21.56	94.66	1050.33		
0	2012	90%	204.46	315.69	298.58	149.39	18.51	22.32	94.66	1101.44		
0	2012	95%	214.22	330.26	313.15	149.39	19.15	23.08	94.66	1152.55		
0	2012	100%	223.98	344.83	327.72	149.39	19.79	23.84	94.66	1203.66		
5	2012	10%	18.03	29.24	25.09	47.75	3.23	3.94	30.91	93.28	Table EF1	
5	2012	20%	20.23	32.72	28.66	47.75	3.49	4.25	30.91	108.37		
5	2012	30%	22.49	36.29	32.33	47.75	3.76	4.57	30.91	124.39		
5	2012	40%	25.21	40.44	36.58	47.75	4.07	4.94	30.91	142.04		
5	2012	45%	26.94	43.11	39.24	47.75	4.23	5.14	30.91	151.64		
5	2012	50%	28.73	45.86	42.00	47.75	4.41	5.34	30.91	161.55		
5	2012	60%	32.69	51.92	48.05	47.75	4.79	5.80	30.91	183.14		
5	2012	65%	34.87	55.23	51.36	47.75	5.00	6.05	30.91	194.92		
5	2012	70%	37.05	58.54	54.67	47.75	5.21	6.30	30.91	206.70	Extrapolated from Table EF1, which lists emission factors for up to 65% cold starts	
5	2012	75%	39.23	61.85	57.98	47.75	5.42	6.55	30.91	218.48		
5	2012	80%	41.41	65.16	61.29	47.75	5.63	6.80	30.91	230.26		
5	2012	85%	43.59	68.47	64.60	47.75	5.84	7.05	30.91	242.04		
5	2012	90%	45.77	71.78	67.91	47.75	6.05	7.30	30.91	253.82		
5	2012	95%	47.95	75.09	71.22	47.75	6.26	7.55	30.91	265.60		
5	2012	100%	50.13	78.40	74.53	47.75	6.47	7.80	30.91	277.38		
MOBILE5 vehicle types from MOBILE6 vehicle classes (from NYSDOT distribution, light-duty vehicles, redistributed to total 100%)												
			58.03%	28.28%	12.77%		0.13%	0.77%			100.00%	
Speed	Year	%Cold	LDGV	LDGT1	LDGT2		LDDV	LDDT			Composite	
0	2012	100%	223.98	344.83	327.72		19.79	23.84			269.59	g/hr
5	2012	100%	50.13	78.40	74.53		6.47	7.80			60.86	g/mi

11/06/2006
13:54:21

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 ***  SCREEN3 MODEL RUN  ***
 *** VERSION DATED 96043 ***

RIVER PARK STADIUM PARKING: POINT RELEASE 79.5', 128' BLDG DWASH, 20-55' TERRAI

SIMPLE TERRAIN INPUTS:
   SOURCE TYPE              =        POINT
   EMISSION RATE (G/S)      =      1.00000
   STACK HEIGHT (M)         =      24.2316
   STK INSIDE DIAM (M)      =       0.0010
   STK EXIT VELOCITY (M/S)=         0.0010
   STK GAS EXIT TEMP (K)    =     293.0000
   AMBIENT AIR TEMP (K)     =     293.0000
   RECEPTOR HEIGHT (M)      =       1.8000
   URBAN/RURAL OPTION       =       RURAL
   BUILDING HEIGHT (M)      =      39.0144
   MIN HORIZ BLDG DIM (M) =      188.6712
   MAX HORIZ BLDG DIM (M) =      240.7920

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.


BUOY. FLUX =    0.000 M**4/S**3;  MOM. FLUX =    0.000 M**4/S**2.

*** FULL METEOROLOGY ***

**********************************
*** SCREEN AUTOMATED DISTANCES ***
**********************************

*** TERRAIN HEIGHT OF    0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

  DIST     CONC              U10M   USTK  MIX HT   PLUME   SIGMA   SIGMA
   (M)   (UG/M**3)   STAB   (M/S)  (M/S)   (M)    HT (M)   Y (M)   Z (M)  DWASH
 -------  ----------  ----  -----  -----  ------  ------  ------  ------  -----
    10.    0.000       0     0.0    0.0     0.0    0.00    0.00    0.00    NA
   100.    0.000       0     0.0    0.0     0.0    0.00    0.00    0.00    NA
   200.    336.1       4     1.0    1.1   320.0   24.23   19.21   32.87    SS
   300.    225.2       4     1.0    1.1   320.0   24.23   25.91   39.57    SS
   400.    153.3       4     1.0    1.1   320.0   24.23   33.87   46.98    SS
   500.    125.0       4     1.0    1.1   320.0   24.23   40.48   48.64    SS

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND    10. M:
   118.    501.4       4     1.0    1.1   320.0   24.23   13.79   27.44    SS

 DWASH=   MEANS NO CALC MADE (CONC = 0.0)
 DWASH=NO MEANS NO BUILDING DOWNWASH USED
 DWASH=HS MEANS HUBER-SNYDER DOWNWASH USED
 DWASH=SS MEANS SCHULMAN-SCIRE DOWNWASH USED
 DWASH=NA MEANS DOWNWASH NOT APPLICABLE, X<3*LB

*********************************
*** SCREEN DISCRETE DISTANCES ***
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*** TERRAIN HEIGHT OF 6. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)	MIX HT (M)	PLUME HT (M)	SIGMA Y (M)	SIGMA Z (M)	DWASH
110.	0.000	0	0.0	0.0	0.0	0.00	0.00	0.00	NA

****
*** SCREEN DISCRETE DISTANCES ***
****

*** TERRAIN HEIGHT OF 17. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)	MIX HT (M)	PLUME HT (M)	SIGMA Y (M)	SIGMA Z (M)	DWASH
110.	0.000	0	0.0	0.0	0.0	0.00	0.00	0.00	NA

****
*** SCREEN DISCRETE DISTANCES ***
****

*** TERRAIN HEIGHT OF 6. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)	MIX HT (M)	PLUME HT (M)	SIGMA Y (M)	SIGMA Z (M)	DWASH
120.	587.9	4	1.0	1.1	320.0	18.13	13.85	27.51	SS

****
*** SCREEN DISCRETE DISTANCES ***
****

*** TERRAIN HEIGHT OF 17. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)	MIX HT (M)	PLUME HT (M)	SIGMA Y (M)	SIGMA Z (M)	DWASH
120.	703.6	4	1.0	1.1	320.0	7.47	13.85	27.51	SS

****
*** SCREEN DISCRETE DISTANCES ***
****

*** TERRAIN HEIGHT OF 6. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)	MIX HT (M)	PLUME HT (M)	SIGMA Y (M)	SIGMA Z (M)	DWASH
130.	553.1	4	1.0	1.1	320.0	18.13	14.52	28.18	SS

****
*** SCREEN DISCRETE DISTANCES ***
****

*** TERRAIN HEIGHT OF 17. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

DIST CONC U10M USTK MIX HT PLUME SIGMA SIGMA

(M)	(UG/M**3)	STAB	(M/S)	(M/S)	(M)	HT (M)	Y (M)	Z (M)	DWASH
130.	656.3	4	1.0	1.1	320.0	7.47	14.52	28.18	SS

```
**********************************
*** SCREEN DISCRETE DISTANCES ***
**********************************
```

*** TERRAIN HEIGHT OF 6. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)	MIX HT (M)	PLUME HT (M)	SIGMA Y (M)	SIGMA Z (M)	DWASH
140.	521.4	4	1.0	1.1	320.0	18.13	15.19	28.85	SS

```
**********************************
*** SCREEN DISCRETE DISTANCES ***
**********************************
```

*** TERRAIN HEIGHT OF 17. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)	MIX HT (M)	PLUME HT (M)	SIGMA Y (M)	SIGMA Z (M)	DWASH
140.	613.9	4	1.0	1.1	320.0	7.47	15.19	28.85	SS

```
**********************************
*** SCREEN DISCRETE DISTANCES ***
**********************************
```

*** TERRAIN HEIGHT OF 6. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)	MIX HT (M)	PLUME HT (M)	SIGMA Y (M)	SIGMA Z (M)	DWASH
150.	492.4	4	1.0	1.1	320.0	18.13	15.86	29.52	SS

```
**********************************
*** SCREEN DISCRETE DISTANCES ***
**********************************
```

*** TERRAIN HEIGHT OF 17. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)	MIX HT (M)	PLUME HT (M)	SIGMA Y (M)	SIGMA Z (M)	DWASH
150.	575.5	4	1.0	1.1	320.0	7.47	15.86	29.52	SS

DWASH= MEANS NO CALC MADE (CONC = 0.0)
DWASH=NO MEANS NO BUILDING DOWNWASH USED
DWASH=HS MEANS HUBER-SNYDER DOWNWASH USED
DWASH=SS MEANS SCHULMAN-SCIRE DOWNWASH USED
DWASH=NA MEANS DOWNWASH NOT APPLICABLE, X<3*LB

```
*******************************************
*  SUMMARY OF TERRAIN HEIGHTS ENTERED FOR  *
*    SIMPLE ELEVATED TERRAIN PROCEDURE     *
*******************************************
```

TERRAIN HT (M)	DISTANCE RANGE (M) MINIMUM	MAXIMUM
0.	10.	500.
6.	110.	--
17.	110.	--
6.	120.	--
17.	120.	--
6.	130.	--
17.	130.	--
6.	140.	--
17.	140.	--
6.	150.	--
17.	150.	--

```
****************************************
     *** REGULATORY (Default) ***
    PERFORMING CAVITY CALCULATIONS
  WITH ORIGINAL SCREEN CAVITY MODEL
          (BRODE, 1988)
****************************************
```

```
 *** CAVITY CALCULATION - 1 ***        *** CAVITY CALCULATION - 2 ***
  CONC (UG/M**3)      =    70.96        CONC (UG/M**3)      =    90.57
  CRIT WS @10M (M/S) =     1.00        CRIT WS @10M (M/S) =     1.00
  CRIT WS @ HS (M/S) =     1.19        CRIT WS @ HS (M/S) =     1.19
  DILUTION WS (M/S)  =     1.00        DILUTION WS (M/S)  =     1.00
  CAVITY HT (M)      =    39.13        CAVITY HT (M)      =    39.01
  CAVITY LENGTH (M)  =   165.71        CAVITY LENGTH (M)  =   149.47
  ALONGWIND DIM (M)  =   188.67        ALONGWIND DIM (M)  =   240.79

****************************************
      END OF CAVITY CALCULATIONS
****************************************
```

```
     ****************************************
     *** SUMMARY OF SCREEN MODEL RESULTS ***
     ****************************************
```

CALCULATION PROCEDURE	MAX CONC (UG/M**3)	DIST TO MAX (M)	TERRAIN HT (M)	
SIMPLE TERRAIN	703.6	120.	17.	
BLDG. CAVITY-1	70.96	166.	--	(DIST = CAVITY LENGTH)
BLDG. CAVITY-2	90.57	149.	--	(DIST = CAVITY LENGTH)

```
**************************************************
** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
**************************************************
```

CAL3QHC - (DATED 95221)

CAL3QHC PC (32 BIT) VERSION 3.0.0
(C) COPYRIGHT 1993-2000, TRINITY CONSULTANTS

Run Began on 6/05/2007 at 12:45:45

JOB: #1 NEPPERHAM & ELM PM BUILD W/BALLPARK RUN: CO CONTRIB FOR PARKING

DATE : 06/05/ 0
TIME : 12:45:45

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 108. CM
U = 1.0 M/S CLAS = 5 (E) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	LENGTH (M)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (M)	W (M)	V/C	QUEUE (VEH)
1. ELM ST EB DEPART	201168.9	233408.9	201296.1	233350.0	140.	115.	AG	383.	5.9	0.0	13.3		
2. ELM ST EB DEPART	201295.9	233350.0	201454.5	233288.5	170.	111.	AG	383.	5.9	0.0	9.7		
3. ELM ST WB APP	201171.8	233414.2	201298.5	233355.5	140.	115.	AG	240.	5.9	0.0	10.6		
4. ELM ST WB APP	201298.5	233355.5	201456.4	233293.9	169.	111.	AG	240.	5.9	0.0	9.7		
5. ELM ST WB DEPART	201170.4	233412.2	200946.8	233461.1	229.	282.	AG	903.	5.9	0.0	13.3		
6. NEPPERHAN NB APPR	201137.9	233358.7	201087.4	233315.7	66.	230.	AG	2674.	5.9	0.0	17.0		
7. NEPPERHAN NB APPR	201087.4	233315.7	200963.7	233236.8	147.	237.	AG	2674.	5.9	0.0	17.0		
8. NEPPERHAN NB LEFT	201171.9	233407.3	201133.6	233361.6	60.	220.	AG	138.	5.9	0.0	9.7		
9. NEPPERHAN NB TR	201183.6	233408.6	201137.9	233358.7	68.	222.	AG	2536.	5.9	0.0	17.0		
10. NEPPERHAN NB DEPART	201181.6	233409.5	201258.7	233585.1	192.	24.	AG	2427.	5.9	0.0	17.0		
11. NEPPERHAN SB APP	201191.0	233467.6	201238.9	233592.9	134.	21.	AG	2853.	5.9	0.0	17.0		
12. NEPPERHAN SB LEFT	201168.9	233408.9	201197.3	233463.8	62.	27.	AG	180.	5.9	0.0	9.7		
13. NEPPERHAN SB THRU	201163.3	233413.4	201191.1	233467.7	61.	27.	AG	1923.	5.9	0.0	17.0		
14. NEPPERHAN SB RIGHT	201156.1	233415.4	201184.3	233470.7	62.	27.	AG	750.	5.9	0.0	9.7		
15. NEPPERHAN SB DEPART	201163.3	233413.4	201106.3	233355.4	81.	225.	AG	2054.	5.9	0.0	17.0		
16. NEPPERHAN SB DEPART	201106.3	233355.4	200953.2	233250.4	186.	236.	AG	2054.	5.9	0.0	17.0		
17. ELM ST WB QUEUE	201192.3	233404.6	201221.8	233390.9	33.	115.	AG	86.	100.0	0.0	4.6	0.80	5.4
18. NEPPERHAN NB L Q	201164.7	233398.6	201161.0	233394.2	6.	220.	AG	30.	100.0	0.0	3.7	0.12	1.0
19. NEPPERHAN NB TR Q	201170.7	233394.4	201111.8	233330.3	87.	223.	AG	138.	100.0	0.0	11.0	0.98	14.5
20. NEPPERHAN SB L Q	201175.4	233421.4	201178.8	233428.1	8.	27.	AG	30.	100.0	0.0	3.7	0.15	1.2
21. NEPPERHAN SB THRU Q	201168.9	233424.1	201187.3	233460.3	41.	27.	AG	138.	100.0	0.0	11.0	0.73	6.8
22. NEPPERHAN SB R Q	201162.1	233427.0	201192.4	233486.6	67.	27.	AG	46.	100.0	0.0	3.7	0.94	11.1

JOB: #1 NEPPERHAM & ELM PM BUILD W/BALLPARK RUN: CO CONTRIB FOR PARKING

DATE : 06/05/ 0
TIME : 12:45:45

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
17. ELM ST WB QUEUE	90	71	2.0	240	1805	40.67	1	3
18. NEPPERHAN NB L Q	90	25	2.0	138	1718	40.67	1	3
19. NEPPERHAN NB TR Q	90	38	2.0	2536	1620	40.67	1	3
20. NEPPERHAN SB L Q	90	25	2.0	180	1719	40.67	1	3
21. NEPPERHAN SB THRU Q	90	38	2.0	1923	1643	40.67	1	3
22. NEPPERHAN SB R Q	90	38	2.0	750	1503	40.67	1	3

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. NW CORNER	201153.9	233422.8	1.8
2. SW CORNER	201144.4	233409.1	1.8
3. NE CORNER	201190.1	233412.3	1.8
4. SE CORNER	201184.2	233395.8	1.8
5. ELM ST NW	201106.2	233433.1	1.8
6. ELM ST SW	201103.3	233419.4	1.8
7. ELM ST NE	201228.6	233393.8	1.8
8. ELM ST SE	201222.6	233378.1	1.8
9. NEPPERHAN SE	201176.0	233387.1	1.8
10. NEPPERHAN SW	201135.2	233397.3	1.8
11. NEPPERHAN SE	201166.0	233375.4	1.8
12. NEPPERHAN SE	201149.6	233357.4	1.8
13. NEPPERHAN SW	201118.0	233380.0	1.8
14. NEPPERHAN NW	201168.5	233450.8	1.8
15. NEPPERHAN NE	201206.7	233434.5	1.8
16. NEPPERHAN NW	201178.2	233470.7	1.8
17. NEPPERHAN NE	201215.6	233455.5	1.8

JOB: #1 NEPPERHAM & ELM PM BUILD W/BALLPARK RUN: CO CONTRIB FOR PARKING

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 5.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17
5.	0.0	0.2	1.4	1.5	0.0	0.2	0.3	0.4	1.5	0.1	1.9	1.5	0.1	0.0	1.0	0.0	0.9
10.	0.0	0.2	1.5	1.6	0.0	0.2	0.2	0.3	1.5	0.1	2.0	1.8	0.1	0.0	0.9	0.1	0.9
15.	0.2	0.3	1.4	1.5	0.0	0.2	0.1	0.2	1.6	0.1	1.8	2.0	0.1	0.1	0.8	0.2	0.8
20.	0.4	0.3	1.3	1.2	0.0	0.2	0.0	0.1	1.4	0.2	1.7	2.0	0.2	0.4	0.5	0.3	0.5
25.	0.8	0.8	1.0	1.0	0.0	0.2	0.0	0.1	1.1	0.6	1.7	1.9	0.3	0.7	0.3	0.6	0.3
30.	1.1	1.1	0.7	0.7	0.0	0.2	0.0	0.1	1.0	0.9	1.1	1.7	0.6	1.0	0.2	0.7	0.1
35.	1.4	1.4	0.4	0.4	0.1	0.3	0.0	0.1	0.6	1.1	0.8	1.3	0.9	1.2	0.1	1.0	0.1
40.	1.7	1.5	0.3	0.4	0.2	0.5	0.0	0.1	0.4	1.4	0.5	0.9	1.0	1.3	0.0	1.1	0.0
45.	1.7	1.6	0.2	0.3	0.3	0.5	0.0	0.1	0.5	1.5	0.4	0.5	1.2	1.4	0.0	1.1	0.0
50.	1.7	1.5	0.1	0.2	0.3	0.5	0.0	0.1	0.3	1.3	0.2	0.3	1.0	1.3	0.0	1.0	0.0
55.	1.4	1.3	0.1	0.2	0.4	0.6	0.0	0.1	0.3	1.1	0.2	0.2	1.1	1.3	0.0	1.1	0.0
60.	1.4	1.3	0.1	0.3	0.4	0.7	0.0	0.1	0.3	1.0	0.1	0.1	1.0	1.4	0.0	1.0	0.0
65.	1.3	1.1	0.1	0.3	0.4	0.7	0.0	0.1	0.2	1.0	0.1	0.0	1.0	1.4	0.0	0.9	0.0
70.	1.2	0.9	0.1	0.3	0.4	0.7	0.0	0.1	0.2	1.0	0.1	0.0	1.0	1.4	0.0	0.9	0.0
75.	1.0	0.9	0.1	0.3	0.3	0.7	0.0	0.1	0.2	0.8	0.1	0.0	0.9	1.2	0.0	1.0	0.0
80.	0.9	0.9	0.1	0.3	0.3	0.6	0.0	0.1	0.2	0.8	0.0	0.0	1.0	1.3	0.0	0.9	0.0
85.	0.9	0.8	0.1	0.3	0.3	0.6	0.0	0.1	0.2	0.9	0.0	0.0	1.0	1.3	0.0	1.0	0.0
90.	0.8	0.8	0.0	0.4	0.4	0.6	0.0	0.2	0.2	1.0	0.0	0.0	0.9	1.3	0.0	0.9	0.0
95.	0.8	0.9	0.0	0.4	0.4	0.7	0.0	0.2	0.1	1.0	0.0	0.0	0.9	1.1	0.0	0.9	0.0
100.	0.8	0.9	0.0	0.4	0.5	0.5	0.0	0.2	0.1	1.0	0.0	0.0	0.9	1.1	0.0	0.9	0.0
105.	0.8	0.7	0.0	0.4	0.7	0.4	0.0	0.2	0.1	0.9	0.0	0.0	0.9	1.0	0.0	0.9	0.0
110.	1.1	0.7	0.1	0.2	0.7	0.4	0.1	0.2	0.0	0.9	0.0	0.0	0.9	1.0	0.0	0.7	0.0
115.	1.2	0.8	0.2	0.2	0.5	0.5	0.1	0.1	0.0	0.9	0.0	0.0	0.9	1.1	0.0	0.9	0.0
120.	1.3	0.7	0.4	0.1	0.6	0.5	0.2	0.1	0.0	0.9	0.0	0.0	0.7	1.1	0.0	0.7	0.0
125.	1.0	0.7	0.4	0.1	0.6	0.5	0.2	0.1	0.0	0.9	0.0	0.0	0.8	1.0	0.0	0.7	0.0
130.	0.9	0.9	0.5	0.0	0.6	0.5	0.2	0.0	0.0	0.9	0.0	0.0	0.9	1.0	0.0	0.9	0.0
135.	1.0	0.9	0.5	0.0	0.5	0.4	0.2	0.0	0.0	0.9	0.0	0.0	0.8	1.1	0.0	0.9	0.0
140.	0.8	0.8	0.5	0.0	0.5	0.4	0.2	0.0	0.0	0.9	0.0	0.0	0.9	1.2	0.0	1.0	0.0
145.	0.9	0.8	0.5	0.0	0.5	0.4	0.2	0.0	0.0	0.9	0.0	0.0	0.9	1.4	0.0	1.1	0.0
150.	1.1	0.8	0.4	0.0	0.5	0.5	0.2	0.0	0.0	0.9	0.0	0.0	0.7	1.3	0.0	1.2	0.0
155.	1.1	0.8	0.4	0.0	0.6	0.5	0.2	0.0	0.0	0.9	0.0	0.0	0.9	1.3	0.0	1.2	0.0
160.	1.0	0.8	0.4	0.0	0.6	0.4	0.2	0.0	0.0	0.9	0.0	0.0	0.9	1.4	0.1	1.3	0.0
165.	1.0	0.9	0.3	0.0	0.5	0.4	0.2	0.0	0.0	0.8	0.0	0.0	0.9	1.4	0.1	1.4	0.0
170.	1.0	0.9	0.3	0.0	0.5	0.4	0.2	0.0	0.0	0.9	0.0	0.0	0.9	1.4	0.1	1.5	0.0
175.	1.2	0.8	0.2	0.0	0.5	0.5	0.1	0.0	0.0	0.9	0.0	0.0	0.9	1.4	0.1	1.5	0.0
180.	1.2	0.9	0.3	0.0	0.6	0.3	0.1	0.0	0.0	0.9	0.0	0.0	0.9	1.4	0.1	1.5	0.1
185.	1.2	0.9	0.3	0.0	0.5	0.3	0.1	0.0	0.0	1.0	0.0	0.0	1.0	1.5	0.1	1.7	0.1
190.	1.2	1.0	0.3	0.0	0.5	0.3	0.1	0.0	0.0	1.0	0.0	0.0	0.9	1.5	0.1	1.6	0.1
195.	1.2	1.0	0.5	0.0	0.4	0.4	0.1	0.0	0.0	1.0	0.0	0.0	0.9	1.5	0.1	1.6	0.1
200.	1.2	1.0	0.6	0.1	0.5	0.4	0.1	0.0	0.1	1.0	0.0	0.0	0.9	1.1	0.2	1.4	0.2
205.	1.2	1.1	0.8	0.1	0.5	0.4	0.1	0.0	0.1	1.2	0.0	0.0	0.9	1.1	0.4	1.1	0.4
210.	1.1	1.0	1.1	0.2	0.5	0.4	0.1	0.0	0.1	1.0	0.1	0.0	1.0	0.8	0.4	1.0	0.7

JOB: #1 NEPPERHAM & ELM PM BUILD W/BALLPARK RUN: CO CONTRIB FOR PARKING

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17
215.	0.8	1.0	1.3	0.4	0.4	0.3	0.1	0.0	0.4	1.0	0.3	0.1	0.9	0.7	0.8	0.6	1.0
220.	0.9	0.9	1.7	0.9	0.4	0.2	0.1	0.0	0.8	1.1	0.7	0.4	1.0	0.6	1.2	0.4	1.3
225.	0.6	0.7	2.0	1.3	0.3	0.1	0.1	0.0	1.2	0.8	1.0	0.6	0.8	0.4	1.3	0.3	1.4
230.	0.6	0.4	2.1	1.6	0.2	0.0	0.2	0.0	1.7	0.6	1.5	1.2	0.7	0.3	1.4	0.2	1.4
235.	0.3	0.3	2.0	2.0	0.2	0.0	0.6	0.1	2.1	0.4	1.8	1.5	0.5	0.2	1.3	0.1	1.3
240.	0.2	0.1	2.0	1.9	0.2	0.0	0.8	0.4	2.0	0.2	2.0	1.8	0.3	0.1	1.1	0.1	1.2
245.	0.2	0.0	1.5	1.8	0.2	0.0	0.9	0.4	1.9	0.1	2.0	1.8	0.1	0.1	1.2	0.1	1.2
250.	0.2	0.0	1.3	1.4	0.3	0.0	1.2	0.6	1.8	0.0	1.7	1.7	0.0	0.1	0.9	0.1	1.0
255.	0.3	0.0	1.2	1.2	0.3	0.0	1.1	0.7	1.5	0.0	1.6	1.5	0.0	0.1	0.9	0.1	1.0
260.	0.3	0.0	1.1	1.2	0.3	0.0	1.0	0.6	1.3	0.0	1.5	1.5	0.0	0.1	1.0	0.1	1.0
265.	0.4	0.0	1.1	1.0	0.4	0.0	0.9	0.7	1.3	0.0	1.2	1.4	0.0	0.1	1.0	0.1	1.0
270.	0.4	0.0	1.1	0.9	0.4	0.1	0.9	0.5	1.2	0.0	1.2	1.3	0.0	0.1	1.0	0.0	1.0
275.	0.4	0.1	1.1	0.9	0.4	0.1	1.0	0.4	1.2	0.0	1.1	1.3	0.0	0.1	1.0	0.0	0.8
280.	0.4	0.2	1.1	0.9	0.3	0.2	0.9	0.5	1.1	0.0	1.1	1.1	0.0	0.0	1.0	0.0	0.8
285.	0.3	0.3	0.9	0.9	0.3	0.3	1.0	0.6	1.2	0.1	1.0	1.1	0.0	0.0	0.9	0.0	0.7
290.	0.2	0.3	1.0	0.9	0.2	0.4	0.8	0.6	1.1	0.1	1.1	1.1	0.0	0.0	0.9	0.0	0.6
295.	0.1	0.3	0.9	0.9	0.1	0.4	0.7	0.5	1.1	0.1	1.1	1.1	0.1	0.0	0.9	0.0	0.6
300.	0.0	0.3	0.8	0.9	0.0	0.3	0.5	0.5	1.1	0.1	1.1	1.1	0.1	0.0	0.9	0.0	0.7
305.	0.0	0.3	0.9	1.0	0.0	0.3	0.4	0.6	1.1	0.1	1.1	1.1	0.1	0.0	0.9	0.0	0.6
310.	0.0	0.2	1.0	0.9	0.0	0.3	0.4	0.6	1.1	0.1	1.2	1.2	0.1	0.0	0.9	0.0	0.7
315.	0.0	0.2	1.0	0.9	0.0	0.2	0.4	0.6	1.1	0.1	1.2	1.2	0.1	0.0	0.9	0.0	0.7
320.	0.0	0.2	1.1	1.0	0.0	0.2	0.4	0.7	0.9	0.1	1.1	1.1	0.1	0.0	0.7	0.0	0.7
325.	0.0	0.2	1.1	1.0	0.0	0.2	0.4	0.7	1.0	0.1	1.1	1.1	0.1	0.0	0.8	0.0	0.7
330.	0.0	0.2	1.1	1.0	0.0	0.2	0.5	0.7	0.8	0.1	1.1	1.1	0.1	0.0	0.7	0.0	0.7
335.	0.0	0.2	1.1	1.0	0.0	0.2	0.4	0.8	0.9	0.1	1.1	1.1	0.1	0.0	0.7	0.0	0.7
340.	0.0	0.2	1.2	1.3	0.0	0.2	0.4	0.8	1.1	0.1	1.1	1.2	0.1	0.0	0.8	0.0	0.8
345.	0.0	0.2	1.2	1.3	0.0	0.2	0.4	0.6	1.1	0.1	1.3	1.2	0.1	0.0	0.8	0.0	0.9
350.	0.0	0.2	1.4	1.4	0.0	0.2	0.4	0.6	1.1	0.1	1.4	1.2	0.1	0.0	0.8	0.0	0.9
355.	0.0	0.2	1.2	1.5	0.0	0.2	0.4	0.6	1.2	0.1	1.4	1.3	0.1	0.0	1.0	0.0	1.0
360.	0.0	0.2	1.3	1.5	0.0	0.2	0.4	0.6	1.4	0.1	1.5	1.3	0.1	0.0	1.0	0.0	1.0
MAX	1.7	1.6	2.1	2.0	0.7	0.7	1.2	0.8	2.1	1.5	2.0	2.0	1.2	1.5	1.4	1.7	1.4
DEGR.	40	45	230	235	110	95	250	335	235	45	245	20	45	195	230	185	230

THE HIGHEST CONCENTRATION OF 2.10 PPM OCCURRED AT RECEPTOR REC3 .

JOB: #1 NEPPERHAM & ELM PM BUILD W/BALLPARK RUN: CO CONTRIB FOR PARKING

DATE : 06/05/ 0
TIME : 12:45:45

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

CO/LINK (PPM)
ANGLE (DEGREES)

LINK #	REC1 40	REC2 45	REC3 230	REC4 235	REC5 110	REC6 95	REC7 250	REC8 335	REC9 235	REC10 45	REC11 245	REC12 20	REC13 45	REC14 195	REC15 230	REC16 185	REC17 230
1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.2	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0
6	0.0	0.0	0.2	0.2	0.0	0.0	0.1	0.0	0.3	0.0	0.3	0.0	0.0	0.1	0.1	0.0	0.1
7	0.0	0.0	0.2	0.2	0.0	0.0	0.1	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.7	0.7	0.1	0.1	0.2	0.0	0.7	0.0	0.6	0.7	0.0	0.2	0.3	0.2	0.1
10	0.3	0.3	0.2	0.0	0.1	0.1	0.0	0.2	0.0	0.3	0.0	0.2	0.2	0.0	0.4	0.1	0.5
11	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.2	0.1	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.3	0.3	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.3	0.0	0.2	0.2	0.2	0.0	0.4	0.1
14	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.3	0.0	0.3	0.0
15	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.3	0.1	0.1	0.4	0.2	0.2	0.0	0.2
16	0.0	0.0	0.2	0.2	0.0	0.0	0.1	0.0	0.2	0.0	0.3	0.0	0.0	0.0	0.1	0.0	0.1
17	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.4	0.6	0.0	0.0	0.2	0.0	0.6	0.0	0.6	0.5	0.0	0.2	0.2	0.1	0.1
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.1	0.1	0.1	0.0	0.4	0.1
22	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.2	0.0