CO Florida 2004 Air Quality Traffic Datasheet
PREPARED BY: Corey Carter, American Consulting Engineers of Florida
Source: Design Traffic Technical Memorandum prepared by HNTB Corporation
Work Program Item Segment No(s): N/A
Federal Aid Number(s): N/A
Project Description: Gandy Connector PD&E Study
Intersection Analyzed: Gandy Boulevard @ Dale Mabry Highway
Peak Traffic Period Analyzed: AM Peak
Northbound/Southbound Movement: Dale Mabry Highway
Eastbound/Westbound Movement: Gandy Boulevard

Model Input Variables

Year	Southbound		Northbound		Eastbound		Westbound	
	Approach Traffic	Approach Speed	Approach Traffic	Approach Speed	Approach Traffic	Approach Speed	Approach Traffic	Approach Speed
Existing (2007)	874	45	1142	45	1295	45	819	45
No-Build (2035)	2962	45	2321	45	3052	45	1541	45
Build (2035)	2909	45	2277	45	1618	45	1324	45

CO Florida 2004

Project: Gandy Connector PD&E
Facility: Gandy Boulevard @ Dale Mabry Highway - Existing
Analyst: Corey Carter

Environmental Data:

Temperature:	50 F
Reid Vapor Pressure:	11.5 psi
Land Use:	Urban
Stability Class:	D
Surface Roughness:	175
Background Concentration:	1-hr = 5.0 ppm 8-hr = 3.0 ppm

Project Data:

Region:	4: Hillsborough / Pinellas
Year:	2007
Intersection Type:	4 x 4 Intersection
Max Approach Traffic Volume:	1295 veh/hour
Speed:	45

Receptor Data (all distances are in feet):

Receptor Name	East-West Distance from Intersection	North-South Distance from Intersection	Receptor Height
Default Rec 1	10	150	6
Default Rec 2	10	50	6
Default Rec 3	50	10	6
Default Rec 4	150	10	6
Default Rec 5	50	50	6
Default Rec 6	10	-150	6
Default Rec 7	10	-50	6
Default Rec 8	50	-10	6
Default Rec 9	150	-10	6
Default Rec 10	50	-50	6

RESULTS (including background CO):

Receptor Name	Max 1-Hr Conc (ppm)	Max 8-Hr Conc (ppm)
Default Rec 1	9.3	5.6
Default Rec 2	9.7	5.8
Default Rec 3	10.2	6.1
Default Rec 4	10.1	6.1
Default Rec 5	8.9	5.3
Default Rec 6	10.1	6.1
Default Rec 7	10.2	6.1
Default Rec 8	9.7	5.8
Default Rec 9	9.3	5.6
Default Rec 10	8.9	5.3

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PROJECT PASSES - NO EXCEEDANCES OF NAAQ CO STANDARDS ARE PREDICTED
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CO Florida 2004

Project: Gandy Connector PD&E
Facility: Gandy Boulevard @ Dale Mabry Highway - No Build
Analyst: Corey Carter

Environmental Data:

Temperature:	50 F
Reid Vapor Pressure:	11.5 psi
Land Use:	Urban
Stability Class:	D
Surface Roughness:	175
Background Concentration:	1-hr = 5.0 ppm 8-hr = 3.0 ppm

Project Data:

Region:	4: Hillsborough / Pinellas
Year:	2035
Intersection Type:	4 x 4 Intersection
Max Approach Traffic Volume:	3052 veh/hour
Speed:	45

Receptor Data (all distances are in feet):

Receptor Name	East-West Distance from Intersection	North-South Distance from Intersection	Receptor Height
Default Rec 1	10	150	6
Default Rec 2	10	50	6
Default Rec 3	50	10	6
Default Rec 4	150	10	6
Default Rec 5	50	50	6
Default Rec 6	10	-150	6
Default Rec 7	10	-50	6
Default Rec 8	50	-10	6
Default Rec 9	150	-10	6
Default Rec 10	50	-50	6

RESULTS (including background CO):

Receptor Name	Max 1-Hr Conc (ppm)	Max 8-Hr Conc (ppm)
Default Rec 1	9.9	5.9
Default Rec 2	10.5	6.3
Default Rec 3	10.5	6.3
Default Rec 4	10.2	6.1
Default Rec 5	9.3	5.6
Default Rec 6	10.2	6.1
Default Rec 7	10.5	6.3
Default Rec 8	10.5	6.3
Default Rec 9	9.9	5.9
Default Rec 10	9.3	5.6

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PROJECT PASSES - NO EXCEEDANCES OF NAAQ CO STANDARDS ARE PREDICTED
****

CO Florida 2004

Project: Gandy Connector PD&E
Facility: Gandy Boulevard @ Dale Mabry Highway - Build
Analyst: Corey Carter

Environmental Data:

Temperature:	50 F
Reid Vapor Pressure:	11.5 psi
Land Use:	Urban
Stability Class:	D
Surface Roughness:	175
Background Concentration:	1-hr = 5.0 ppm 8-hr = 3.0 ppm

Project Data:

Region:	4: Hillsborough / Pinellas
Year:	2035
Intersection Type:	4 x 4 Intersection
Max Approach Traffic Volume:	2909 veh/hour
Speed:	45

Receptor Data (all distances are in feet):

Receptor Name	East-West Distance from Intersection	North-South Distance from Intersection	Receptor Height
Default Rec 1	10	150	6
Default Rec 2	10	50	6
Default Rec 3	50	10	6
Default Rec 4	150	10	6
Default Rec 5	50	50	6
Default Rec 6	10	-150	6
Default Rec 7	10	-50	6
Default Rec 8	50	-10	6
Default Rec 9	150	-10	6
Default Rec 10	50	-50	6

RESULTS (including background CO):

Receptor Name	Max 1-Hr Conc (ppm)	Max 8-Hr Conc (ppm)
Default Rec 1	9.8	5.9
Default Rec 2	10.4	6.2
Default Rec 3	10.4	6.2
Default Rec 4	10.1	6.1
Default Rec 5	9.0	5.4
Default Rec 6	10.1	6.1
Default Rec 7	10.4	6.2
Default Rec 8	10.4	6.2
Default Rec 9	9.8	5.9
Default Rec 10	9.0	5.4

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PROJECT PASSES - NO EXCEEDANCES OF NAAQ CO STANDARDS ARE PREDICTED
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