

THESE VOLUME CALCULATIONS APPLY TO THE ENTIRE GANDY BOULEVARD SURFACE FACILITY

Calculated PM DHV (Westbound)			
	Existing (2006)	No-Build (2035)	Build (2035)
ADT	26,000	26,000	26,000
K Factor (%)	10%	10%	10%
D Factor (%)	54.6%	54.6%	54.6%
T Factor (%)	3%	3%	3%
% Heavy Trucks	1.6%	1.6%	1.6%
% Medium Trucks	1.3%	1.3%	1.3%
DHV	2,600	2,600	2,600
WB Total	1,420	1,420	1,420
EB Total	1,180	1,180	1,180
WB Cars	1,378	1,378	1,378
EB Cars	1,146	1,146	1,146
WB Heavy Trucks	23	23	23
EB Heavy Trucks	19	19	19
WB Medium Trucks	18	18	18
EB Medium Trucks	15	15	15
Calculated Per Lane Volumes (2 Lanes)			
	Existing (2006)	No-Build (2035)	Build (2035)
	689	689	689
	573	573	573
	11	11	11
	9	9	9
	9	9	9
	8	8	8

THESE VOLUME CALCULATIONS APPLY TO THE ENTIRE WESTSHORE BOULEVARD FACILITY

Calculated PM DHV (Southbound)			
	Existing (2006)	No-Build (2035)	Build (2035)
ADT	9,100	9,100	9,100
K Factor (%)	10%	10%	10%
D Factor (%)	54.6%	54.6%	54.6%
T Factor (%)	3%	3%	3%
% Heavy Trucks	1.6%	1.6%	1.6%
% Medium Trucks	1.3%	1.3%	1.3%
DHV	910	910	910
SB Total	497	497	497
NB Total	413	413	413
SB Cars	482	482	482
NB Cars	401	401	401
SB Heavy Trucks	8	8	8
NB Heavy Trucks	7	7	7
SB Medium Trucks	6	6	6
NB Medium Trucks	5	5	5

THESE VOLUME CALCULATIONS APPLY TO MANHATTAN AVENUE NORTH OF GANDY BOULEVARD

Calculated PM DHV (Southbound)			
	Existing (2006)	No-Build (2035)	Build (2035)
ADT	9,100	21,400	21,400
K Factor (%)	10%	10%	10%
D Factor (%)	54.6%	54.6%	54.6%
T Factor (%)	3%	3%	3%
% Heavy Trucks	1.6%	1.6%	1.6%
% Medium Trucks	1.3%	1.3%	1.3%
DHV	910	2,140	2,140
SB Total	497	1,168	1,168
NB Total	413	972	972
SB Cars	482	1,135	1,135
NB Cars	401	943	943
SB Heavy Trucks	8	19	19
NB Heavy Trucks	7	16	16
SB Medium Trucks	6	15	15
NB Medium Trucks	5	13	13
Calculated Per Lane Volumes (2 Lanes)			
	Existing (2006)	No-Build (2035)	Build (2035)
	241	567	567
	201	472	472
	4	9	9
	3	8	8
	3	8	8
	3	6	6

THESE VOLUME CALCULATIONS APPLY TO MANHATTAN AVENUE SOUTH OF GANDY BOULEVARD

Calculated PM DHV (Southbound)			
	Existing (2006)	No-Build (2035)	Build (2035)
ADT	7,000	9,100	9,100
K Factor (%)	10%	10%	10%
D Factor (%)	54.6%	54.6%	54.6%
T Factor (%)	3%	3%	3%
% Heavy Trucks	1.6%	1.6%	1.6%
% Medium Trucks	1.3%	1.3%	1.3%
DHV	700	910	910
SB Total	382	497	497
NB Total	318	413	413
SB Cars	371	482	482
NB Cars	309	401	401
SB Heavy Trucks	6	8	8
NB Heavy Trucks	5	7	7
SB Medium Trucks	5	6	6
NB Medium Trucks	4	5	5
Calculated Per Lane Volumes (2 Lanes)			
	Existing (2006)	No-Build (2035)	Build (2035)
	186	241	241
	154	201	201
	3	4	4
	3	3	3
	2	3	3
	2	3	3

THESE VOLUME CALCULATIONS APPLY TO THE ENTIRE DALE MABRY HIGHWAY FACILITY

Calculated PM DHV (Southbound)			
	Existing (2006)	No-Build (2035)	Build (2035)
ADT	34,700	34,700	34,700
K Factor (%)	10%	10%	10%
D Factor (%)	54.6%	54.6%	54.6%
T Factor (%)	3%	3%	3%
% Heavy Trucks	1.6%	1.6%	1.6%
% Medium Trucks	1.3%	1.3%	1.3%
DHV	3,470	3,470	3,470
SB Total	1,895	1,895	1,895
NB Total	1,575	1,575	1,575
SB Cars	1,840	1,840	1,840
NB Cars	1,530	1,530	1,530
SB Heavy Trucks	30	30	30
NB Heavy Trucks	25	25	25
SB Medium Trucks	25	25	25
NB Medium Trucks	20	20	20
Calculated Per Lane Volumes (2 Lanes)			
	Existing (2006)	No-Build (2035)	Build (2035)
	920	920	920
	765	765	765
	15	15	15
	13	13	13
	12	12	12
	10	10	10

THESE VOLUME CALCULATIONS APPLY TO THE ENTIRE SELMON EXPRESSWAY FACILITY

Calculated PM DHV (Southbound)			
	Existing (2006)	No-Build (2035)	Build (2035)
ADT	28,000	38,800	46,900
K Factor (%)	10%	10%	10%
D Factor (%)	55.3%	55.3%	55.3%
T Factor (%)	3%	4.7%	4.7%
% Heavy Trucks	1.6%	3.4%	3.4%
% Medium Trucks	1.3%	1.3%	1.3%
DHV	2,800	3,880	4,690
SB Total	1,548	2,146	2,594
NB Total	1,252	1,734	2,096
SB Cars	1,503	2,045	2,472
NB Cars	1,215	1,653	1,998
SB Heavy Trucks	25	73	88
NB Heavy Trucks	20	59	71
SB Medium Trucks	20	28	34
NB Medium Trucks	16	23	27
Calculated Per Lane Volumes			
	Existing (2006)	No-Build (2035)	Build (2035)
	752	1022	1236
	608	826	999
	12	36	44
	10	29	36
	10	14	17
	8	11	14

THESE VOLUME CALCULATIONS APPLY TO THE SB SELMON TO EB GANDY RAMP

Calculated DHV			
	Existing (2006)	No-Build (2035)	Build (2035)
ADT	8,700	9,000	6,300
K Factor (%)	10%	10%	10%
D Factor (%)	100.0%	100.0%	100.0%
T Factor (%)	3%	4.7%	4.7%
% Heavy Trucks	1.6%	3.4%	3.4%
% Medium Trucks	1.3%	1.3%	1.3%
DHV	870	900	630
SB Total	870	900	630
NB Total	0	0	0
SB Cars	845	858	600
NB Cars	0	0	0
SB Heavy Trucks	14	31	21
NB Heavy Trucks	0	0	0
SB Medium Trucks	11	12	8
NB Medium Trucks	0	0	0

THESE VOLUME CALCULATIONS APPLY TO THE SB SELMON TO WB GANDY RAMP

Calculated DHV			
	Existing (2006)	No-Build (2035)	Build (2035)
ADT	5,000	7,000	6,800
K Factor (%)	10%	10%	10%
D Factor (%)	100.0%	100.0%	100.0%
T Factor (%)	3%	4.7%	4.7%
% Heavy Trucks	1.6%	3.4%	3.4%
% Medium Trucks	1.3%	1.3%	1.3%
DHV	500	700	680
SB Total	500	700	680
NB Total	0	0	0
SB Cars	486	667	648
NB Cars	0	0	0
SB Heavy Trucks	8	24	23
NB Heavy Trucks	0	0	0
SB Medium Trucks	7	9	9
NB Medium Trucks	0	0	0



THESE VOLUME CALCULATIONS APPLY TO THE EB GANDY TO THE NB SELMON RAMP

Calculated DHV			
	Existing (2006)	No-Build (2035)	Build (2035)
ADT	8,700	9,000	6,300
K Factor (%)	10%	10%	10%
D Factor (%)	100.0%	100.0%	100.0%
T Factor (%)	3%	4.7%	4.7%
% Heavy Trucks	1.6%	3.4%	3.4%
% Medium Trucks	1.3%	1.3%	1.3%
DHV	870	900	630
NB Total	870	900	630
SB Total	0	0	0
NB Cars	845	858	600
SB Cars	0	0	0
NB Heavy Trucks	14	31	21
SB Heavy Trucks	0	0	0
NB Medium Trucks	11	12	8
SB Medium Trucks	0	0	0
Calculated Per Lane Volumes			
	Existing (2006)	No-Build (2035)	Build (2035)
	422	429	300
	0	0	0
	7	15	11
	0	0	0
	6	6	4
	0	0	0

THESE VOLUME CALCULATIONS APPLY TO THE NB DALE MABRY TO NB SELMON RAMP

Calculated PM DHV (Southbound)			
	Existing (2006)	No-Build (2035)	Build (2035)
ADT	5,600	7,800	6,400
K Factor (%)	10%	10%	10%
D Factor (%)	100.0%	100.0%	100.0%
T Factor (%)	3%	4.7%	4.7%
% Heavy Trucks	1.6%	3.4%	3.4%
% Medium Trucks	1.3%	1.3%	1.3%
DHV	560	780	640
NB Total	560	780	640
SB Total	0	0	0
NB Cars	544	743	610
SB Cars	0	0	0
NB Heavy Trucks	9	27	22
SB Heavy Trucks	0	0	0
NB Medium Trucks	7	10	8
SB Medium Trucks	0	0	0

THESE VOLUME CALCULATIONS APPLY TO THE ENTIRE ELEVATED EXPRESS LANES FACILITY

Calculated PM DHV (Westbound)			
	Existing (2006)	No-Build (2035)	Build (2035)
ADT	N/A	N/A	23,500
K Factor (%)	N/A	N/A	10%
D Factor (%)	N/A	N/A	75.0%
T Factor (%)	N/A	N/A	4.7%
% Heavy Trucks	N/A	N/A	3.4%
% Medium Trucks	N/A	N/A	1.3%
DHV	N/A	N/A	2,350
WB Total	N/A	N/A	1,763
EB Total	N/A	N/A	588
WB Cars	N/A	N/A	1,680
EB Cars	N/A	N/A	560
WB Heavy Trucks	N/A	N/A	60
EB Heavy Trucks	N/A	N/A	20
WB Medium Trucks	N/A	N/A	23
EB Medium Trucks	N/A	N/A	8

THESE VOLUME CALCULATIONS APPLY TO THE ELEVATED EXPRESS LANES EB OFF RAMP

Calculated PM DHV			
	Existing (2006)	No-Build (2035)	Build (2035)
ADT	N/A	N/A	1,200
K Factor (%)	N/A	N/A	10%
D Factor (%)	N/A	N/A	100.0%
T Factor (%)	N/A	N/A	4.7%
% Heavy Trucks	N/A	N/A	3.4%
% Medium Trucks	N/A	N/A	1.3%
DHV	N/A	N/A	120
WB Total	N/A	N/A	0
EB Total	N/A	N/A	120
WB Cars	N/A	N/A	0
EB Cars	N/A	N/A	114
WB Heavy Trucks	N/A	N/A	0
EB Heavy Trucks	N/A	N/A	4
WB Medium Trucks	N/A	N/A	0
EB Medium Trucks	N/A	N/A	2

THESE VOLUME CALCULATIONS APPLY TO THE ELEVATED EXPRESS LANES WB ON RAMP

Calculated PM DHV			
	Existing (2006)	No-Build (2035)	Build (2035)
ADT	N/A	N/A	1,200
K Factor (%)	N/A	N/A	10%
D Factor (%)	N/A	N/A	100.0%
T Factor (%)	N/A	N/A	4.7%
% Heavy Trucks	N/A	N/A	3.4%
% Medium Trucks	N/A	N/A	1.3%
DHV	N/A	N/A	120
WB Total	N/A	N/A	0
EB Total	N/A	N/A	120
WB Cars	N/A	N/A	0
EB Cars	N/A	N/A	114
WB Heavy Trucks	N/A	N/A	0
EB Heavy Trucks	N/A	N/A	4
WB Medium Trucks	N/A	N/A	0
EB Medium Trucks	N/A	N/A	2

# TRAFFIC DATA FOR NOISE STUDIES

DATE: 04/23/09

PREPARED BY: Luis Diaz, PE, HNTB Corporation

Work Program Item Segment No(s):

Federal Aid Number(s):

Project Description: Gandy Connector PD&E Study

Segment Description: West of Westshore Boulevard

(Data sheets are to be filled out for every segment having a change in traffic parameters such as volumes, posted speeds, typical section, etc.)

**NOTE:** ADT is the LOS (C) volume referenced in the FDOT LOS tables or Demand, whichever is less.

Existing Facility	No-Build (design year)	Gandy Boulevard	Gandy Connector
Year: <u>2006</u> ADT: LOS(C) <u>26,000</u> Demand <u>34,500</u> Posted Speed: <u>55</u> mph <u>89</u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV ___ % Buses DHV ___ % Motorcycles DHV	Year: <u>2035</u> ADT: LOS(C) <u>26,000</u> Demand <u>60,700</u> Posted Speed: <u>45</u> mph <u>72</u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV ___ % Buses DHV ___ % Motorcycles DHV	Year: <u>2035</u> ADT: LOS(C) <u>26,000</u> Demand <u>43,300</u> Posted Speed: <u>45</u> mph <u>72</u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV ___ % Buses DHV ___ % Motorcycles DHV	Year: <u>2035</u> ADT: LOS(C) <u>28,600</u> Demand <u>23,500</u> Posted Speed: <u>55</u> mph <u>89</u> kmh K= <u>10</u> % D= <u>75.0</u> % T= <u>9.1</u> % for 24 hrs. T= <u>4.7</u> % Design hr. <u>3.4</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV ___ % Buses DHV ___ % Motorcycles DHV

Traffic Data Source: \_\_\_\_\_

# TRAFFIC DATA FOR NOISE STUDIES

DATE: 04/23/09

PREPARED BY: Luis Diaz, PE, HNTB Corporation

Work Program Item Segment No(s):

Federal Aid Number(s):

Project Description: Gandy Connector PD&E Study

Segment Description: From Westshore Boulevard to Manhattan Avenue

(Data sheets are to be filled out for every segment having a change in traffic parameters such as volumes, posted speeds, typical section, etc.)

**NOTE:** ADT is the LOS (C) volume referenced in the FDOT LOS tables or Demand, whichever is less.

Existing Facility	No-Build (design year)	Build (design year)	Gandy Connector
Year: <u>2006</u> ADT: LOS(C) <u>26,000</u> Demand <u>41,000</u> Posted Speed: <u>55</u> mph <u>89</u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV ___ % Buses DHV ___ % Motorcycles DHV	Year: <u>2035</u> ADT: LOS(C) <u>26,000</u> Demand <u>52,800</u> Posted Speed: <u>45</u> mph <u>72</u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV ___ % Buses DHV ___ % Motorcycles DHV	Year: <u>2035</u> ADT: LOS(C) <u>26,000</u> Demand <u>38,100</u> Posted Speed: <u>45</u> mph <u>72</u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV ___ % Buses DHV ___ % Motorcycles DHV	Year: <u>2035</u> ADT: LOS(C) <u>28,600</u> Demand <u>23,500</u> Posted Speed: <u>55</u> mph <u>89</u> kmh K= <u>10</u> % D= <u>75.0</u> % T= <u>9.1</u> % for 24 hrs. T= <u>4.7</u> % Design hr. <u>3.4</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV ___ % Buses DHV ___ % Motorcycles DHV

Traffic Data Source: \_\_\_\_\_

# TRAFFIC DATA FOR NOISE STUDIES

DATE: 04/23/09

PREPARED BY: Luis Diaz, PE, HNTB Corporation

Work Program Item Segment No(s):

Federal Aid Number(s):

Project Description: Gandy Connector PD&E Study

Segment Description: From Manhattan Avenue to Dale Mabry Highway

(Data sheets are to be filled out for every segment having a change in traffic parameters such as volumes, posted speeds, typical section, etc.)

**NOTE:** ADT is the LOS (C) volume referenced in the FDOT LOS tables or Demand, whichever is less.

Existing Facility	No-Build (design year)	Build (design year)	Gandy Connector
Year: <u>2006</u> ADT: LOS(C) <u>26,000</u> Demand <u>47,000</u> Posted Speed: <u>55</u> mph <u>89</u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV ___ % Buses DHV ___ % Motorcycles DHV	Year: <u>2035</u> ADT: LOS(C) <u>26,000</u> Demand <u>54,200</u> Posted Speed: <u>45</u> mph <u>72</u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV ___ % Buses DHV ___ % Motorcycles DHV	Year: <u>2035</u> ADT: LOS(C) <u>26,000</u> Demand <u>40,800</u> Posted Speed: <u>45</u> mph <u>72</u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV ___ % Buses DHV ___ % Motorcycles DHV	Year: <u>2035</u> ADT: LOS(C) <u>28,600</u> Demand <u>23,500</u> Posted Speed: <u>55</u> mph <u>89</u> kmh K= <u>10</u> % D= <u>75.0</u> % T= <u>9.1</u> % for 24 hrs. T= <u>4.7</u> % Design hr. <u>3.4</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV ___ % Buses DHV ___ % Motorcycles DHV

Traffic Data Source: \_\_\_\_\_



# TRAFFIC DATA FOR NOISE STUDIES

DATE: 04/23/09

PREPARED BY: Luis Diaz, PE, HNTB Corporation

Work Program Item Segment No(s):

Federal Aid Number(s):

Project Description: Gandy Connector PD&E Study

Segment Description: East of Dale Mabry Highway

(Data sheets are to be filled out for every segment having a change in traffic parameters such as volumes, posted speeds, typical section, etc.)

**NOTE:** ADT is the LOS (C) volume referenced in the FDOT LOS tables or Demand, whichever is less.

Existing Facility	No-Build (design year)	Build (design year)
Year : <u>2006</u> ADT : _____ LOS(C) <u>26,000</u> Demand <u>26,500</u> Posted Speed: <u>45</u> mph <u>72</u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV _____ % Buses DHV _____ % Motorcycles DHV	Year : <u>2035</u> ADT : _____ LOS(C) <u>26,000</u> Demand <u>34,000</u> Posted Speed: <u>45</u> mph <u>72</u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV _____ % Buses DHV _____ % Motorcycles DHV	Year : <u>2035</u> ADT : _____ LOS(C) <u>26,000</u> Demand <u>36,500</u> Posted Speed: <u>45</u> mph <u>72</u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV _____ % Buses DHV _____ % Motorcycles DHV

Traffic Data Source: \_\_\_\_\_

DATE: 04/23/09  
 PREPARED BY: Luis Diaz, PE, HNTB Corporation  
 Work Program Item Segment No(s):  
 Federal Aid Number(s):

Project Description: Gandy Connector PD&E Study  
 Segment Description: Westshore Blvd., North of Gandy Boulevard

(Data sheets are to be filled out for every segment having a change in traffic parameters such as volumes, posted speeds, typical section, etc.)

**NOTE:** ADT is the LOS (C) volume referenced in the FDOT LOS tables or Demand, whichever is less.

Existing Facility	No-Build (design year)	Build (design year)
Year: 2006 ADT: LOS(C) 9,100 Demand 18,000 Posted Speed: 35 mph 56 kmh K= 10 % D= 54.6 % T= 5.9 % for 24 hrs. T= 3.0 % Design hr. 1.6 % Heavy Trucks DHV 1.3 % Medium Trucks DHV % Buses DHV % Motorcycles DHV	Year: 2035 ADT: LOS(C) 9,100 Demand 23,800 Posted Speed: 35 mph 56 kmh K= 10 % D= 54.6 % T= 5.9 % for 24 hrs. T= 3.0 % Design hr. 1.6 % Heavy Trucks DHV 1.3 % Medium Trucks DHV % Buses DHV % Motorcycles DHV	Year: 2035 ADT: LOS(C) 9,100 Demand 21,100 Posted Speed: 35 mph 56 kmh K= 10 % D= 54.6 % T= 5.9 % for 24 hrs. T= 3.0 % Design hr. 1.6 % Heavy Trucks DHV 1.3 % Medium Trucks DHV % Buses DHV % Motorcycles DHV

Traffic Data Source: \_\_\_\_\_

DATE: 04/23/09  
 PREPARED BY: Luis Diaz, PE, HNTB Corporation

Work Program Item Segment No(s):  
Federal Aid Number(s):

Project Description: Gandy Connector PD&E Study

Segment Description: Westshore Blvd., South of Gandy Boulevard

(Data sheets are to be filled out for every segment having a change in traffic parameters such as volumes, posted speeds, typical section, etc.)

**NOTE:** ADT is the LOS (C) volume referenced in the FDOT LOS tables or Demand, whichever is less.

Existing Facility	No-Build (design year)	Build (design year)
Year: <u>2006</u> ADT: LOS(C) <u>9,100</u> Demand <u>19,500</u> Posted Speed: <u>45</u> mph <u>72</u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV ___ % Buses DHV ___ % Motorcycles DHV	Year: <u>2035</u> ADT: LOS(C) <u>9,100</u> Demand <u>20,300</u> Posted Speed: <u>45</u> mph <u>72</u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV ___ % Buses DHV ___ % Motorcycles DHV	Year: <u>2035</u> ADT: LOS(C) <u>9,100</u> Demand <u>20,500</u> Posted Speed: <u>45</u> mph <u>72</u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV ___ % Buses DHV ___ % Motorcycles DHV

Traffic Data Source: \_\_\_\_\_

DATE: 04/23/09  
PREPARED BY: Luis Diaz, PE, HNTB Corporation

Work Program Item Segment No(s):  
Federal Aid Number(s):

Project Description: Gandy Connector PD&E Study

Segment Description: Manhattan Ave., North of Gandy Blvd

(Data sheets are to be filled out for every segment having a change in traffic parameters such as volumes, posted speeds, typical section, etc.)

**NOTE:** ADT is the LOS (C) volume referenced in the FDOT LOS tables or Demand, whichever is less.

Existing Facility	No-Build (design year)	Build (design year)
Year: <u>2006</u> ADT: LOS(C) <u>9,100</u> Demand <u>8,600</u> Posted Speed: <u>    </u> mph <u>    </u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV <u>    </u> % Buses DHV <u>    </u> % Motorcycles DHV	Year: <u>2035</u> ADT: LOS(C) <u>21,400</u> Demand <u>28,300</u> Posted Speed: <u>    </u> mph <u>    </u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV <u>    </u> % Buses DHV <u>    </u> % Motorcycles DHV	Year: <u>2035</u> ADT: LOS(C) <u>21,400</u> Demand <u>27,500</u> Posted Speed: <u>    </u> mph <u>    </u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV <u>    </u> % Buses DHV <u>    </u> % Motorcycles DHV

Traffic Data Source: \_\_\_\_\_

Work Program Item Segment No(s):  
Federal Aid Number(s):

Project Description: Gandy Connector PD&E Study

Segment Description: Manhattan Ave., South of Gandy Blvd

(Data sheets are to be filled out for every segment having a change in traffic parameters such as volumes, posted speeds, typical section, etc.)

**NOTE:** ADT is the LOS (C) volume referenced in the FDOT LOS tables or Demand, whichever is less.

Existing Facility	No-Build (design year)	Build (design year)
Year: <u>2006</u> ADT: LOS(C) <u>9,100</u> Demand <u>7,000</u> Posted Speed: <u>    </u> mph <u>    </u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV <u>    </u> % Buses DHV <u>    </u> % Motorcycles DHV	Year: <u>2035</u> ADT: LOS(C) <u>9,100</u> Demand <u>12,800</u> Posted Speed: <u>    </u> mph <u>    </u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV <u>    </u> % Buses DHV <u>    </u> % Motorcycles DHV	Year: <u>2035</u> ADT: LOS(C) <u>9,100</u> Demand <u>13,600</u> Posted Speed: <u>    </u> mph <u>    </u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV <u>    </u> % Buses DHV <u>    </u> % Motorcycles DHV

Traffic Data Source: \_\_\_\_\_

Work Program Item Segment No(s):  
Federal Aid Number(s):

Project Description: Gandy Connector PD&E Study

Segment Description: Dale Mabry Hwy., North of Gandy Blvd

(Data sheets are to be filled out for every segment having a change in traffic parameters such as volumes, posted speeds, typical section, etc.)

**NOTE:** ADT is the LOS (C) volume referenced in the FDOT LOS tables or Demand, whichever is less.

Existing Facility	No-Build (design year)	Build (design year)
Year: <u>2006</u> ADT: LOS(C) <u>34,700</u> Demand <u>37,000</u> Posted Speed: <u>45</u> mph <u>72</u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV ___ % Buses DHV ___ % Motorcycles DHV	Year: <u>2035</u> ADT: LOS(C) <u>34,700</u> Demand <u>54,300</u> Posted Speed: <u>45</u> mph <u>72</u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV ___ % Buses DHV ___ % Motorcycles DHV	Year: <u>2035</u> ADT: LOS(C) <u>34,700</u> Demand <u>53,300</u> Posted Speed: <u>45</u> mph <u>72</u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV ___ % Buses DHV ___ % Motorcycles DHV

Traffic Data Source: \_\_\_\_\_

Work Program Item Segment No(s):  
Federal Aid Number(s):

Project Description: Gandy Connector PD&E Study

Segment Description: Dale Mabry Hwy., South of Gandy Blvd

(Data sheets are to be filled out for every segment having a change in traffic parameters such as volumes, posted speeds, typical section, etc.)

**NOTE:** ADT is the LOS (C) volume referenced in the FDOT LOS tables or Demand, whichever is less.

Existing Facility	No-Build (design year)	Build (design year)
Year: <u>2006</u> ADT: LOS(C) <u>34,700</u> Demand <u>40,000</u> Posted Speed: <u>45</u> mph <u>72</u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV ___ % Buses DHV ___ % Motorcycles DHV	Year: <u>2035</u> ADT: LOS(C) <u>34,700</u> Demand <u>42,500</u> Posted Speed: <u>45</u> mph <u>72</u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV ___ % Buses DHV ___ % Motorcycles DHV	Year: <u>2035</u> ADT: LOS(C) <u>34,700</u> Demand <u>41,700</u> Posted Speed: <u>45</u> mph <u>72</u> kmh K= <u>10</u> % D= <u>54.6</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV ___ % Buses DHV ___ % Motorcycles DHV

Traffic Data Source: \_\_\_\_\_

DATE: 05/06/09

PREPARED BY: Luis Diaz, PE, HNTB Corporation

Work Program Item Segment No(s):

Federal Aid Number(s):

Project Description: Gandy Connector PD&E Study

Segment Description: Selmon Expressway., North of Gandy Blvd

(Data sheets are to be filled out for every segment having a change in traffic parameters such as volumes, posted speeds, typical section, etc.)

**NOTE:** ADT is the LOS (C) volume referenced in the FDOT LOS tables or Demand, whichever is less.

Existing Facility	No-Build (design year)	Build (design year)
Year: 2006 ADT: LOS(C) 55,200 Demand 28,000 Posted Speed: 55 mph 89 kmh K= 10 % D= 55.3 % T= 5.9 % for 24 hrs. T= 3.0 % Design hr. 1.6 % Heavy Trucks DHV 1.3 % Medium Trucks DHV % Buses DHV % Motorcycles DHV	Year: 2035 ADT: LOS(C) 55,200 Demand 38,800 Posted Speed: 55 mph 89 kmh K= 10 % D= 55.3 % T= 9.1 % for 24 hrs. T= 4.7 % Design hr. 3.4 % Heavy Trucks DHV 1.3 % Medium Trucks DHV % Buses DHV % Motorcycles DHV	Year: 2035 ADT: LOS(C) 55,200 Demand 46,900 Posted Speed: 55 mph 89 kmh K= 10 % D= 55.3 % T= 9.1 % for 24 hrs. T= 4.7 % Design hr. 3.4 % Heavy Trucks DHV 1.3 % Medium Trucks DHV % Buses DHV % Motorcycles DHV

Traffic Data Source: \_\_\_\_\_



DATE: 05/06/09

PREPARED BY: Luis Diaz, PE, HNTB Corporation

Work Program Item Segment No(s):

Federal Aid Number(s):

Project Description: Gandy Connector PD&E Study

Segment Description: Ramp – Selmon Expy SB Off Ramp to EB Gandy Blvd

(Data sheets are to be filled out for every segment having a change in traffic parameters such as volumes, posted speeds, typical section, etc.)

**NOTE:** ADT is the LOS (C) volume referenced in the FDOT LOS tables or Demand, whichever is less.

Existing Facility	No-Build (design year)	Build (design year)
Year: <u>2006</u> ADT: _____ LOS(C) <u>9,000</u> Demand <u>8,700</u> Posted Speed: _____ mph _____ kmh K= <u>10</u> % D= <u>100</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV _____ % Buses DHV _____ % Motorcycles DHV	Year: <u>2035</u> ADT: _____ LOS(C) <u>9,000</u> Demand <u>12,000</u> Posted Speed: _____ mph _____ kmh K= <u>10</u> % D= <u>100</u> % T= <u>9.1</u> % for 24 hrs. T= <u>4.7</u> % Design hr. <u>3.4</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV _____ % Buses DHV _____ % Motorcycles DHV	Year: <u>2035</u> ADT: _____ LOS(C) <u>9,000</u> Demand <u>6,300</u> Posted Speed: _____ mph _____ kmh K= <u>10</u> % D= <u>100</u> % T= <u>9.1</u> % for 24 hrs. T= <u>4.7</u> % Design hr. <u>3.4</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV _____ % Buses DHV _____ % Motorcycles DHV

Traffic Data Source: \_\_\_\_\_

DATE: 05/06/09

PREPARED BY: Luis Diaz, PE, HNTB Corporation

Work Program Item Segment No(s):

Federal Aid Number(s):

Project Description: Gandy Connector PD&E Study

Segment Description: Ramp – Selmon Expy SB Off Ramp to WB Gandy Blvd

(Data sheets are to be filled out for every segment having a change in traffic parameters such as volumes, posted speeds, typical section, etc.)

**NOTE:** ADT is the LOS (C) volume referenced in the FDOT LOS tables or Demand, whichever is less.

Existing Facility	No-Build (design year)	Build (design year)
Year: <u>2006</u> ADT: _____ LOS(C) <u>9,000</u> Demand <u>5,000</u> Posted Speed: _____ mph _____ kmh K= <u>10</u> % D= <u>100</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV _____ % Buses DHV _____ % Motorcycles DHV	Year: <u>2035</u> ADT: _____ LOS(C) <u>9,000</u> Demand <u>7,000</u> Posted Speed: _____ mph _____ kmh K= <u>10</u> % D= <u>100</u> % T= <u>9.1</u> % for 24 hrs. T= <u>4.7</u> % Design hr. <u>3.4</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV _____ % Buses DHV _____ % Motorcycles DHV	Year: <u>2035</u> ADT: _____ LOS(C) <u>9,000</u> Demand <u>6,800</u> Posted Speed: _____ mph _____ kmh K= <u>10</u> % D= <u>100</u> % T= <u>9.1</u> % for 24 hrs. T= <u>4.7</u> % Design hr. <u>3.4</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV _____ % Buses DHV _____ % Motorcycles DHV

Traffic Data Source: \_\_\_\_\_

DATE: 05/06/09

PREPARED BY: Luis Diaz, PE, HNTB Corporation

Work Program Item Segment No(s):

Federal Aid Number(s):

Project Description: Gandy Connector PD&E Study

Segment Description: Selmon Expy NB On Ramp from WB Gandy Blvd

(Data sheets are to be filled out for every segment having a change in traffic parameters such as volumes, posted speeds, typical section, etc.)

**NOTE:** ADT is the LOS (C) volume referenced in the FDOT LOS tables or Demand, whichever is less.

Existing Facility	No-Build (design year)	Build (design year)
Year: <u>2006</u> ADT: _____ LOS(C) <u>9,000</u> Demand <u>8,700</u> Posted Speed: _____ mph _____ kmh K= <u>10</u> % D= <u>100</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV _____ Buses DHV _____ Motorcycles DHV	Year: <u>2035</u> ADT: _____ LOS(C) <u>9,000</u> Demand <u>12,000</u> Posted Speed: _____ mph _____ kmh K= <u>10</u> % D= <u>100</u> % T= <u>9.1</u> % for 24 hrs. T= <u>4.7</u> % Design hr. <u>3.4</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV _____ Buses DHV _____ Motorcycles DHV	Year: <u>2035</u> ADT: _____ LOS(C) <u>9,000</u> Demand <u>6,300</u> Posted Speed: _____ mph _____ kmh K= <u>10</u> % D= <u>100</u> % T= <u>9.1</u> % for 24 hrs. T= <u>4.7</u> % Design hr. <u>3.4</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV _____ Buses DHV _____ Motorcycles DHV

Traffic Data Source: \_\_\_\_\_

DATE: 05/06/09

PREPARED BY: Luis Diaz, PE, HNTB Corporation

Work Program Item Segment No(s):

Federal Aid Number(s):

Project Description: Gandy Connector PD&E Study

Segment Description: Selmon Expy NB On Ramp from NB Dale Mabry Highway

(Data sheets are to be filled out for every segment having a change in traffic parameters such as volumes, posted speeds, typical section, etc.)

**NOTE:** ADT is the LOS (C) volume referenced in the FDOT LOS tables or Demand, whichever is less.

Existing Facility	No-Build (design year)	Build (design year)
Year: <u>2006</u> ADT: _____ LOS(C) <u>9,000</u> Demand <u>5,600</u> Posted Speed: _____ mph _____ kmh K= <u>10</u> % D= <u>100</u> % T= <u>5.9</u> % for 24 hrs. T= <u>3.0</u> % Design hr. <u>1.6</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV _____ Buses DHV _____ Motorcycles DHV	Year: <u>2035</u> ADT: _____ LOS(C) <u>9,000</u> Demand <u>7,800</u> Posted Speed: _____ mph _____ kmh K= <u>10</u> % D= <u>100</u> % T= <u>9.1</u> % for 24 hrs. T= <u>4.7</u> % Design hr. <u>3.4</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV _____ Buses DHV _____ Motorcycles DHV	Year: <u>2035</u> ADT: _____ LOS(C) <u>9,000</u> Demand <u>6,400</u> Posted Speed: _____ mph _____ kmh K= <u>10</u> % D= <u>100</u> % T= <u>9.1</u> % for 24 hrs. T= <u>4.7</u> % Design hr. <u>3.4</u> % Heavy Trucks DHV <u>1.3</u> % Medium Trucks DHV _____ Buses DHV _____ Motorcycles DHV

Traffic Data Source: \_\_\_\_\_

DATE: 05/18/09

PREPARED BY: Luis Diaz, PE, HNTB Corporation

Work Program Item Segment No(s):

Federal Aid Number(s):

Project Description: Gandy Connector PD&E Study

Segment Description: Gandy Connector Ramps (Build Scenario)

(Data sheets are to be filled out for every segment having a change in traffic parameters such as volumes, posted speeds, typical section, etc.)

**NOTE:** ADT is the LOS (C) volume referenced in the FDOT LOS tables or Demand, whichever is less.

Existing Facility	EB Off Ramp	WB On Ramp
Year: <u>2006</u> ADT: _____ LOS(C) <u>N/A</u> Demand <u>N/A</u> Posted Speed: _____ mph _____ kmh K= <u>N/A</u> _____ % D= <u>N/A</u> _____ % T= <u>N/A</u> _____ % for 24 hrs. T= <u>N/A</u> _____ % Design hr. _____ % Heavy Trucks DHV _____ % Medium Trucks DHV _____ % Buses DHV _____ % Motorcycles DHV	Year: <u>2035</u> ADT: _____ LOS(C) <u>9,000</u> Demand <u>1,200</u> Posted Speed: _____ mph _____ kmh K= <u>10</u> _____ % D= <u>55.3</u> _____ % T= <u>9.1</u> _____ % for 24 hrs. T= <u>4.7</u> _____ % Design hr. _____ % Heavy Trucks DHV _____ % Medium Trucks DHV _____ % Buses DHV _____ % Motorcycles DHV	Year: <u>2035</u> ADT: _____ LOS(C) <u>9,000</u> Demand <u>1,200</u> Posted Speed: _____ mph _____ kmh K= <u>10</u> _____ % D= <u>55.3</u> _____ % T= <u>9.1</u> _____ % for 24 hrs. T= <u>4.7</u> _____ % Design hr. _____ % Heavy Trucks DHV _____ % Medium Trucks DHV _____ % Buses DHV _____ % Motorcycles DHV

Traffic Data Source: \_\_\_\_\_

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