

I-4 Corridor: Economic Development Study

Transportation Analysis

Estimated Roadway Improvement Costs per Area:

Based on possible roadway improvements that may be needed:

<u>Area</u>	<u>Estimated Cost</u>
A	\$21,720,000
B	\$26,500,000
C	\$22,230,000
D	\$42,000,000
E	\$76,260,000
F	\$28,960,000
G	\$32,400,000
H	\$32,350,000
I	\$46,936,000
J	\$11,000,000
K	No Data
L	See Note Below
TOTAL	\$340,356,000

Note: For roadway plans in Area L see Plant City NE Master Plan

I-4 Corridor: Economic Development Study

Transportation Analysis:

Area A: Fowler Ave & US 301

	Exist. AADT	Exist. + Prop. Traffic	Exist. No. of Lanes	Exist. Capacity	Existing LOS	No. of additional lanes needed	Improve to County Standards ²	Estimated cost ¹
Major Roads								
US 301: S of TPA Bypass Cnl to N of Fowler Ave	20,500		2U	19,600	C	2	FDOT Project	NA
Fowler Ave: I-75 to US 301	20,000		4D	35,700	B	0	Not needed	\$0
Harney Rd: Morris Bridge Rd to Williams Rd	5,389		2U	17,290	C	0	Not needed	\$0
Harney Rd: Williams Rd to US 301 ³	5,389		2U	17,290	C	0	Improve 0.92 miles of 2-ln road to County Stds ³ .	\$5,520,000
Sub Totals	51,613	65,613	10 lanes	81,590		2		\$5,520,000
Interior Roads								
Walker Rd: Harney Rd to Fowler Ave	NA	NA	NA	NA	NA	NA	Improve 1.0 miles of 2-ln road to County Stds.	\$6,000,000
Jefferson Rd: Fowler Ave to S end	NA	NA	NA	NA	NA	NA	Improve 1.2 miles of 2-ln road to County Stds.	\$7,200,000
Williams Rd: Fowler Rd to Harney Rd	5,724		2U	9,000	C	0	Improve 0.5 miles of 2-ln road to County Stds.	\$3,000,000
Sub Totals								\$16,200,000
TOTAL OF ALL ABOVE								\$21,720,000

- NOTE: 1. Cost estimates based on FDOT cost per centerline mile for Hillsborough County, dated June 2008 for Arterials, rounded to three significant figures. Does not include r.o.w.
 2. Cost to improve substandard roads to County standards estimated as equal to the cost to add one lane or \$6M per centerline mile.
 3. Cost to improve Harney Rd to County Stds to be split between Area A and Area E.

I-4 Corridor: Economic Development Study

Transprotation Analysis:

Area B: US 301 & Harney Rd

	Exist. AADT	Exist. + Prop. Traffic	Exist. No. of Lanes	Exist. Capacity	Existing LOS	No. of additional lanes needed	Improve to County Standards	Estimated cost
Major Roads								
Harney Rd: 78th St to Morris Bridge Rd	6,832		2U	15,580	C	0	Improve 1.2 miles of 2-ln road to County Stds.	\$7,200,000
Temple Terrace Hwy: 78th St to Harney Rd	30,534		4D	31,065	F	2 new lanes for 1.0 miles of urban road		\$13,300,000
US 301: I-4 to Harney Rd	28,500		2U	16,400	C		State Road	\$0
Sub Totals	65,866	83,866	8 lanes	63,045		2		\$20,500,000
Interior Roads								
Davis Rd: Temple Terrace Hwy to Harney Rd	NA		2U	NA	NA	0	Improve 0.25 miles of 2-ln road to County Stds.	\$1,500,000
Davis Rd: Harney Rd to S end	NA		NA	NA	NA	0.31 miles of new 2-lane urban road		\$4,500,000
Sub Totals								\$6,000,000
TOTAL OF ALL ABOVE								\$26,500,000

NOTE: 1. Cost estimates based on FDOT cost per centerline mile for Hillsborough County, dated June 2008 for Arterials, rounded to three significant figures. Does not include r.o.w.

2. Cost to improve substandard roads to County standards estimated as equal to the cost to add one lane or \$6M per centerline mile.

I-4 Corridor: Economic Development Study

Transportation Analysis:

Area C: SE of Vandenberg Airport

	Exist. AADT	Exist. + Prop. Traffic	Exist. No. of Lanes	Exist. Capacity	Existing LOS	No. of additional lanes needed	Improve to County Standards ²	Estimated cost ¹
Major Roads								
Williams Rd: US 92 to Sligh Ave	5,724		2U	9,000	C	0	Improve 0.6 miles of 2-ln road to County Stds.	\$3,600,000
Maple Ln/Eureka Sprgs Rd/E Sligh Ave: E Sligh Ave to Falkenburg Rd ³	3,818		2U	12,255	B	0	Improve 1.8 miles of 2-ln road to County Stds ³ .	\$10,800,000
Sub Totals	9,542	29,542	4	21,255		0		\$14,400,000
Interior Roads								
Eureka Sprgs Rd: E Sligh Ave to N end	NA	NA	2U	NA	NA	0	Improve 0.75 miles of 2-ln road to County Stds.	\$4,500,000
Falkenburg Rd: E Sligh Ave to N end	NA	NA	2U	NA	NA	0	Improve 0.43 miles of 2-ln road to County Stds.	\$2,580,000
New E-W Rd: Eureka Sprgs Rd to Falkenburg Rd	NA	NA	2U	NA	NA	2	Construct 0.75 miles of new 2-ln road	\$750,000
Sub Totals								\$7,830,000
TOTAL OF ALL ABOVE								\$22,230,000

NOTES: 1. Cost estimates based on FDOT cost per centerline mile for Hillsborough County, dated June 2008 for Urban Arterials, rounded to three significant figures. Does not include r.o.w.

2. Cost to improve substandard roads to County standards estimated as equal to the cost to add one lane or \$6M per centerline mile.

3. Split length and cost of E Sligh Ave between Areas C & D.

I-4 Corridor: Economic Development Study

Transportation Analysis:

Area D: Williams Rd & Sligh Ave

	Exist. AADT	Exist. + Prop. Traffic	Exist. No. of Lanes	Exist. Capacity	Exist LOS	No. of additional lanes needed	Improve to County Standards	Estimated cost
Major Roads								
Williams Rd: US 92 to new E-W Rd	5,724		2U	9,000	C	2 new lanes for 1.6 miles of rural road		\$16,600,000
Williams Rd. New E-W Rd to W E Fertic Dr							Improve 0.4 miles of 2-ln road to County Stds.	\$2,400,000
Sligh Ave: Falkenburg to Williams Rd ³	3,818		2U	12,255	B		Improve 0.85 miles of 2-ln road to County Stds ³ .	\$5,100,000
Sub Totals	9,542	41,542	4 lanes	21,255		2		\$24,100,000
Interior Roads								
New E-W Road: Williams Rd to 2600 ft. east thereor			0			0.5 mile new 2-ln rural roads		\$5,000,000
New N-S Road: N and S of new E-W Rd			0			0.5 mile new 2-ln rural roads		\$5,000,000
Sligh Ave: Williams Rd to Virginia Ln and Timmons to Black Dairy Rd			2U				Improve 0.9 miles of 2-ln road to rural County Stds.	\$5,400,000
Sligh Ave: Virginia Ln to Timmons Rd			0			0.25 mile of new 2-ln rural road		\$2,500,000
Sub Totals								\$17,900,000
TOTAL OF ALL ABOVE								\$42,000,000

- Note:
1. Cost estimates based on FDOT cost per centerline mile for Hillsborough County, dated June 2008 for Urban Arterials, rounded to three significant figures. Does not include r.o.w.
 2. Cost to improve substandard roads to County standards estimated as equal to the cost to add one lane or \$6M per centerline mile.
 3. Split length and cost of E Sligh Ave between Areas C & D.

I-4 Corridor: Economic Development Study

Transportation Analysis:

Area E: CR 579 & Joe Ebert Rd.

	Exist. AADT	Exist. + Prop. Traffic	Exist. No. of Lanes	Exist. Capacity	Exist LOS	No. of additional lanes needed	Improve to County Standards ²	Estimated cost ¹
<u>Major Roads</u>								
CR 579: Joe Ebert Rd.to Bypass			2U		E	2 new lanes for 1.1 miles of rural road		\$11,400,000
CR 579: Joe Ebert Rd.to I-4	12,850		2U	12,445	E	2 new lanes for 2 miles of rural road		\$20,700,000
Harney Rd: Williams Rd to US 301 ³	5,389	118,000 imp.	2U	17,290	C	0	Improve 0.92 miles of 2-In road to County Stds ³ .	\$5,520,000
Sub Totals	12,850	50,850	2 lanes	12,445		4 lanes		\$37,620,000
<u>Interior Roads</u>								
New Interior Roads								
Joe Ebert Rd: CR 579 to W boundary of Area E	3,868		2U	8,400	A	0	Improve 0.5 miles of 2-In road to rural County stds	\$3,000,000
Sub Total								\$9,000,000
<u>New Roads</u>								
Thonotosassa Rd Bypass: US 301 to CR 579	NA	NA	0	0	NA	1.9 miles of new 4-In rural road		\$29,640,000
TOTAL OF ALL ABOVE								\$76,260,000

- NOTES: 1. Cost estimates based on FDOT cost per centerline mile for Hillsborough County, dated June 2008 for Urban Arterials, rounded to three significant figures. Does not include r.o.w.
 2. Cost to improve substandard roads to County standards estimated as equal to the cost to add one lane or \$6M per centerline mile.
 3. Cost to improve Harney Rd to County Stds to be split between Area A and Area E.

I-4 Corridor: Economic Development Study

Transportation Analysis:

Area F: McIntosh & Thonotosassa Rds

	Exist. AADT	Exist. + Prop. Traffic	Exist. No. of Lanes	Exist. Capacity	Exist LOS	No. of additional lanes needed	Improve to County Standards ²	Estimated cost ¹
Major Roads								
McIntosh Rd: Thonotosassa Rd to I-4	5,022		2U	12,065	B	0	Improve 1.91 miles of 2-ln road to rural County Stds.	\$11,460,000
Thonotosassa Rd: from West of McIntosh Rd to Gallagher	2,860		2U	12,065	B		Improve 1.0 miles of 2-ln road to County rural Stds.	\$6,000,000
Sub Totals	7,882	22,282	4 lanes	24,130		2 lanes		\$17,460,000
Interior Roads								
New E-W Road: W Boundary of Area F to McIntosh Rd Ext	NA	NA	NA	NA	NA	0.55 miles of new 2-ln rural road		\$5,500,000
New N-S Road: Joe Ebert Rd Ext to New E-W Rd	NA	NA	NA	NA	NA	0.6 miles of new 2-ln road		\$6,000,000
Sub Totals								\$11,500,000
TOTAL OF ALL ABOVE								\$28,960,000

NOTE: 1. Cost estimates based on FDOT cost per centerline mile for Hillsborough County, dated June 2008 for Urban Arterials, rounded to three significant figures. Does not include r.o.w.

2. Cost to improve substandard roads to County standards estimated as equal to the cost to add one lane or \$6M per centerline mile.

I-4 Corridor: Economic Development Study

Transportation Analysis

Area G: McIntosh & Simpson Rds:

	Exist. AADT	Exist. + Prop. Traffic	Exist. No. of Lanes	Exist. Capacity	Exist LOS	No. of additional lanes needed	Improve to County Standards ²	Estimated cost ¹
Major Roads								
McIntosh Rd: US 92 to Jess Walden Rd	10,666		2U	12,255	C	2 new lanes for 1.1 miles of rural road		\$11,400,000
McIntosh Rd: Jess Walden Rd to SR 574 (MLK)	106,666		2U	12,255	C		Improve 0.70 miles of 2-ln rural road to County Stds.	\$4,200,000
Gallagher Rd: US 92 to Jess Walden Rd	NA	NA	2U	NA	NA		Improve 1.25 miles of 2-ln rural road to County Stds.	\$7,500,000
Sub Totals	10,666	31,666		12,255		2		\$23,100,000
Interior Roads								
Jess Walden Rd: Gallagher Rd to Honney Oaks Dr	NA	NA	2U	NA	NA		Improve 0.90 miles of 2-ln rural road to County Stds.	\$5,400,000
Tom Gallagher Rd: McIntosh to Gallagher Rd	NA	NA	2U	NA	NA		Improve 0.65 miles of 2-ln rural road to County Stds.	\$3,900,000
Sub Totals								\$9,300,000
TOTAL OF ALL ABOVE								\$32,400,000

NOTE: 1. Cost estimates based on FDOT cost per centerline mile for Hillsborough County, dated June 2008 for Urban Arterials, rounded to three significant figures. Does not include r.o.w.

2. Cost to improve substandard roads to County standards estimated as equal to the cost to add one lane or \$6M per centerline mile.

I-4 Corridor: Economic Development Study

Transportation Analysis

Area H: S Park Rd & US 92

	Exist. AADT	Exist. + Prop. Traffic	Exist. No. of Lanes	Exist. Capacity	Exist LOS	No. of additional lanes needed	Improve to County Standards ²	Estimated cost ¹
Major Roads								
New N-S Road: US 92 to 0.65 miles south thereof	0		0	0	NA	0.65 miles of new 4-ln Urban road		\$12,750,000
New E-W Road: Park Rd to 1.0 miles east thereof	0		0	0	NA	1.0 miles of new 4-ln Urban road		\$19,600,000
Park Rd: Cornet Rd to US 92	NA		4	NA	NA		City Road	
US Hwy 92: Park Rd to County Line Rd	9,700		2U	15,500	C		State Road	
TOTAL OF ALL ABOVE		53,700	6					\$32,350,000

NOTE: 1. Cost estimates based on FDOT cost per centerline mile for Hillsborough County, dated June 2008 for Urban Arterials, rounded to three significant figures. Does not include r.o.w.

2. Cost to improve substandard roads to County standards estimated as equal to the cost to add one lane or \$6M per centerline mile.

I-4 Corridor: Economic Development Study

Transportation Analysis

Area I: County Line Rd & I-4

	Exist. AADT	Exist. + Prop. Traffic	Exist. No. of Lanes	Exist. Capacity	Exist LOS	No. of additional lanes needed	Improve to County Standards ²	Estimated cost ¹
Major Roads								
County Line Road Ext: From N end of existing CLR to new E-W Road ³	0		0	0	NA	0.53 miles of new 4-ln rural road		\$8,268,000
Swindell Rd: County Line Rd to Charlie Taylor Rd ³	NA		2U	NA	NA		Improve 1 mile of 2-ln County rural road to County Stds.	\$6,000,000
Charlie Taylor Rd: N Frontage Rd to new E-W Rd	2105			12,445	B		Improve 0.7 miles of 2-ln rural road to County Stds.	\$4,200,000
Sub Totals		44,105	2	12,445		4		\$18,468,000
Interior Roads								
New E-W Rd: County Line Rd to Charlie Taylor Rd	NA		0	NA	NA	1 miles of new 2-ln rural road		\$10,000,000
TOTAL OF ALL ABOVE								\$46,936,000

NOTE: 1. Cost estimates based on FDOT cost per centerline mile for Hillsborough County, dated June 2008 for Urban Arterials, rounded to three significant figures. Does not include r.o.w.

2. Cost to improve substandard roads to County standards estimated as equal to the cost to add one lane or \$6M per centerline mile.

3. Included in Plant City NE Master Plan

I-4 Corridor: Economic Development Study

Transportation Analysis

Area J: Son Keen Rd & US 92

	<u>Exist. AADT</u>	<u>Exist. + Prop. Traffic</u>	<u>Exist. No. of Lanes</u>	<u>Exist. Capacity</u>	<u>Exist LOS</u>	<u>No. of additional lanes needed</u>	<u>Improve to County Standards²</u>	<u>Estimated cost¹</u>
<u>Major Roads</u>								
Son Keen Rd: S Frontage Rd to US 92			2U	NA	NA		Improve 1.0 miles of 2-ln rural road to County Stds.	\$6,000,000
<u>Interior Roads</u>								
New E-W Rd: Son Keen Rd to 2600 feet west thereor			0	NA	NA	0.5 miles of new 2-ln rural rd		\$5,000,000
TOTAL OF ALL ABOVE								\$11,000,000

NOTE: 1. Cost estimates based on FDOT cost per centerline mile for Hillsborough County, dated June 2008 for Urban Arterials, rounded to three significant figures. Does not include r.o.w.

2. Cost to improve substandard roads to County standards estimated as equal to the cost to add one lane or \$6M per centerline mile.

I-4 Corridor: Economic Development Study

Transportation Analysis

Area K: Area within City of Tampa

<u>Major Roads</u>	<u>Exist. AADT</u>	<u>Exist. + Prop. Traffic</u>	<u>Exist. No. of Lanes</u>	<u>Exist. Capacity</u>	<u>Exist LOS</u>	<u>No. of additional lanes needed</u>	<u>Improve to County Standards</u>	<u>Estimated cost</u>
--------------------	--------------------	-------------------------------	----------------------------	------------------------	------------------	---------------------------------------	------------------------------------	-----------------------

No Data

TOTAL OF ALL ABOVE								
---------------------------	--	--	--	--	--	--	--	--

I-4 Corridor: Economic Development Study

Transportation Analysis

Area L: N Park Rd & I-4

<u>Major Roads</u>	Exist. AADT	Exist. + Prop. Traffic	Exist. No. of Lanes	Exist. Capacity	Exist LOS	No. of additional lanes needed	Improve to County Standard	Estimated cost
--------------------	-------------	------------------------	---------------------	-----------------	-----------	--------------------------------	----------------------------	----------------

See Plant City NE Master Plan

TOTAL OF ALL ABOVE								
--------------------	--	--	--	--	--	--	--	--