

# ATTACHMENT A + B

## COST ESTIMATE SPREADSHEETS PUBLIC ENGAGEMENT DATA



**Seminole County**  
TRAILS MASTER PLAN



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# **COST ESTIMATE SPREADSHEETS**

# Cost Estimates - SIGNATURE TRAILS

## Seminole Wekiva Trail (Orange County Line/Pine Hills Trail to SR 46/Lake County Wekiva Trail)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (18.8 miles total)</b>						
1	Demolition Allowance		0	Mile	\$33,000.00		\$0.00 existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		0	LF	\$1.50		\$0.00 Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00		\$0.00 FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00		\$0.00 FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00		\$0.00 FDOT Long Range \$6.50 sf
6	8' Concrete Path		0	Mile	\$274,560.00		\$0.00 FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00		\$0.00 10' wide
8	Shade Trees (30 GAL)		1	AL	\$496,375.00	\$496,375.00	1/50' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$496,375.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
							curb cuts (2), non-mountable curbing,
1	Crossing		0	LS	\$15,000.00		\$0.00 striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00		\$0.00 on demand flasher
3	Alternate Crossing Type						
	Segment 1	436/434	0	AL	\$0.00		\$0.00 Currently underway, cost TBD
4	Feasibility Study	International Pkwy/CR 46A	1	LS	\$70,000.00	\$70,000.00	For tunnel or bridge
<b>Subtotal</b>						<b>\$70,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead						
	Tier 3	Bear Lake Road and SR 414	1	LS	\$183,000.00	\$183,000.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station, kiosk, restrooms
	Tier 2	E. E. Williamson and Sunshine Tree Blvd.	1	LS	\$83,000.00	\$83,000.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station, kiosk
2	Existing Trailhead Enhancements						
	Tier 3	Jones Trailhead	1	LS	\$100,000.00	\$100,000.00	Restrooms
<b>Subtotal</b>						<b>\$366,000.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		2	EA	\$2,500.00		\$5,000.00 key entrances; single metal post mounted
2	Maps		2	EA	\$3,500.00		\$7,000.00 key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00		\$0.00 1/4 mile interval w/markings
4	Directional Signs		1	EA	\$1,200.00		\$1,200.00 locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00		\$0.00 250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$13,200.00</b>	
<b>Preliminary Total</b>						<b>\$945,575.00</b>	
<b>20% Contingency</b>						<b>\$189,115.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$170,203.50</b>	x preliminary total + contingency
<b>Total</b>						<b>\$1,304,893.50</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$260,978.70</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$1,565,872.20</b>	

**Cross Seminole Trail (Hall Road/Orange County Line to Lake Monroe Wayside Park/Volusia County Line)**

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A. Trails &amp; Pathways (29.1 miles existing, 1.7 miles proposed)</b>							
1	Demolition Allowance		0	Mile	\$33,000.00		\$0.00 existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		0	LF	\$1.50		\$0.00 Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00		\$0.00 FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00		\$0.00 FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00		\$0.00 FDOT Long Range \$6.50 sf
6	8' Concrete Path		0	Mile	\$274,560.00		\$0.00 FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00		\$0.00 10' wide
8	Shade Trees (30 GAL)		1	AL	\$871,798.00	\$871,798.00	Tree installation and replacement where needed.
<b>Subtotal</b>						<b>\$871,798.00</b>	
<b>B. Roadway Crossings</b>							
1	Crossing		1	LS	\$15,000.00	\$15,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization	Green Way Blvd.	1	LS	\$30,000.00	\$30,000.00	\$30,000.00 on demand flasher
<b>Subtotal</b>						<b>\$45,000.00</b>	
<b>C. Trailheads</b>							
1	New Trailhead						
	Tier 3	Lake Monroe Wayside Park	1	LS	\$183,000.00	\$183,000.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station, kiosk, restroom
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$183,000.00</b>	
<b>D. Wayfinding</b>							
1	ID Signs		2	EA	\$2,500.00	\$5,000.00	key entrances; single metal post mounted
2	Maps		0	EA	\$3,500.00	\$0.00	key entrances; single metal post mounted
3	Mile Markers		6	EA	\$200.00	\$1,200.00	1/4 mile interval w/markings
4	Directional Signs		2	EA	\$1,200.00	\$2,400.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$8,600.00</b>	
<b>Preliminary Total</b>						<b>\$1,108,398.00</b>	
<b>20% Contingency</b>						<b>\$221,679.60</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$199,511.64</b>	x preliminary total + contingency
<b>Total</b>						<b>\$1,529,589.24</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$305,917.85</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$1,835,507.09</b>	

# Cost Estimates - SIGNATURE TRAILS

## Flagler Trail (Orange County Line/East Orange Trail to Lake Harney Wilderness Trail)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>Trails &amp; Pathways</b> (25.3 miles trail routes (combined paved and existing trail routes, includes alternates proposed))							
A.	Demolition Allowance			Mile	\$33,000.00	\$0.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
1	Segment 1	2nd Street to Snow Hill Road	0.3	Mile	\$33,000.00	\$9,900.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		126720	LF	\$1.50	\$190,080.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path						
	Segment 1	County Line to 2nd Street	2.3	Mile	\$329,472.00	\$757,785.60	FDOT Long Range \$5.20 sf
	Segment 2	2nd St. via 3rd Street to Snow Hill Rd.	1.3	Mile	\$329,472.00	\$428,313.60	FDOT Long Range \$5.20 sf
	Segment 3	Snow Hill Trailhead to North Hart Rd. + to Geneva Wilderness Area Trailhead	8.4	Mile	\$329,472.00	\$2,767,564.80	FDOT Long Range \$5.20 sf
	Segment 4	Snow Hill Rd. to Across Easement to Chulota Rd. to 419	0.8	Mile	\$329,472.00	\$263,577.60	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path		0	Mile	\$274,560.00	\$0.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		17	LS	\$3,000.00	\$51,000.00	Bench & Pad
9	Shade Trees (30 GAL)		1	AL	\$668,000.00	\$668,000.00	1/50' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$5,136,221.60</b>	
<b>B. Roadway Crossings</b>							
1	Crossing		31	LS	\$15,000.00	\$465,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization						on demand flasher at Snow Hill Road
	Segment 2	Crossing of Snow Hill Road at Avenue H	1	LS	\$30,000.00	\$30,000.00	crossings
	Segment 3	Snow Hill Road	1	LS	\$30,000.00	\$30,000.00	on demand flasher at Snow Hill Road crossings
<b>Subtotal</b>						<b>\$525,000.00</b>	
<b>C. Trailheads</b>							
1	New Trailhead						20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station, kiosk
	Tier 2	Geneva Trailhead	1	LS	\$83,000.00	\$83,000.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station, kiosk
	Tier 3	Lake Mills Park	1	LS	\$183,000.00	\$183,000.00	Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station, kiosk, restrooms
	Tier 3	Lake Catherine	1	LS	\$183,000.00	\$183,000.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
2	Existing Trailhead Enhancements						
	Tier 2	Snow Hill Road Trailhead	1	LS	\$40,000.00	\$40,000.00	
<b>Subtotal</b>						<b>\$489,000.00</b>	
<b>D. Wayfinding</b>							
1	ID Signs		8	EA	\$2,500.00	\$20,000.00	key entrances; single metal post mounted
2	Maps		6	EA	\$3,500.00	\$21,000.00	key entrances; single metal post mounted
3	Mile Markers						
	Segment 1		10	EA	\$200.00	\$2,000.00	1/4 mile interval w/markings
	Segment 3		34	EA	\$200.00	\$6,800.00	1/4 mile interval w/markings
4	Directional Signs		28	EA	\$1,200.00	\$33,600.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$83,400.00</b>	
<b>Preliminary Total</b>						<b>\$6,233,621.60</b>	

20% Contingency	\$1,246,724.32 x preliminary total
15% Contractor General Conditions	\$1,122,051.89 x preliminary total + contingency
Total	\$8,602,397.81
20% Design Fees + Permitting + CA	\$1,720,479.56
Grand Total	\$10,322,877.37

x total (Permitting fees not included; survey,  
construction phase services limited to site visits,  
RFIs & submittals)

# Cost Estimates - PATHWAYS

## Pathway 1 - KEWANNEE TRAIL (Cassel Creek Blvd. to Montgomery Road/Seminole Wekiva Trail)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>Trails &amp; Pathways</b> (1.7 miles existing, 4.6 miles proposed)							
A.	Demolition Allowance						
1	Segment 1	Fern Park Blvd. to Orienta Ave.	2.2	Mile	\$33,000.00	\$72,600.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
	Segment 2	Orienta Ave. to Central Pkwy.	1.1	Mile	\$33,000.00	\$36,300.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
	Segment 3	Centerpointe Cr. to Montgomery Rd.	1.3	Mile	\$33,000.00	\$42,900.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		48576	LF	\$1.50	\$72,864.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	Segment 1 (North and West Sides)	Fern Park Blvd. to Orienta Ave.	2.2	Mile	\$274,560.00	\$604,032.00	FDOT Long Range \$6.50 sf
	Segment 2 (East and North Sides)	Orienta Ave. to Central Pkwy.	1.1	Mile	\$274,560.00	\$302,016.00	FDOT Long Range \$6.50 sf
	Segment 3 (South Side)	Centerpointe Cr. to Montgomery Rd.	1.3	Mile	\$274,560.00	\$356,928.00	FDOT Long Range \$6.50 sf
7	Boardwalk	Lake Adelaide Wetland	1900	SF	\$75.00	\$142,500.00	10' wide; alternate route
8	Rest Area		7	LS	\$3,000.00	\$21,000.00	Bench & Pad
9	Shade Trees (30 GAL)		760	EA	\$500.00	\$380,000.00	1/100' if both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$2,031,140.00</b>	
<b>B. Roadway Crossings</b>							
1	Crossing		23	LS	\$15,000.00	\$345,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$345,000.00</b>	
<b>C. Trailheads</b>							
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D. Wayfinding</b>							
1	ID Signs		9	EA	\$2,500.00	\$22,500.00	key entrances; single metal post mounted
2	Maps		5	EA	\$3,500.00	\$17,500.00	key entrances; single metal post mounted
3	Mile Markers		26	EA	\$200.00	\$5,200.00	1/4 mile interval w/markings
4	Directional Signs		23	EA	\$1,200.00	\$27,600.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$72,800.00</b>	
<b>Preliminary Total</b>						<b>\$2,448,940.00</b>	
<b>20% Contingency</b>						<b>\$489,788.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$440,809.20</b>	x preliminary total + contingency
<b>Total</b>						<b>\$3,379,537.20</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$675,907.44</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$4,055,444.64</b>	



**Pathway 2 - LONGWOOD PATHWAY (Seminole Wekiva Trail to SR 1792) - FUNDED**

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>Trails &amp; Pathways</b> (2.6 miles existing and 2.5 miles proposed/funded)							
1	Demolition Allowance		0	Mile	\$33,000.00		\$0.00 existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		0	LF	\$1.50		\$0.00 Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00		\$0.00 FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00		\$0.00 FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00		\$0.00 FDOT Long Range \$6.50 sf
6	8' Concrete Path		0	Mile	\$274,560.00		\$0.00 FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00		\$0.00 10' wide
<b>Subtotal</b>						<b>\$0.00</b>	
<b>B. Roadway Crossings</b>							
1	Crossing		0	LS	\$15,000.00		curb cuts (2), non-mountable curbing, \$0.00 striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00		\$0.00 on demand flasher
<b>Subtotal</b>						<b>\$0.00</b>	
<b>C. Trailheads</b>							
1	New Trailhead		0	LS	\$83,000.00		20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, \$0.00 bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00		Shelter, ADA parking, monument sign, bike racks, sign, solar light \$0.00
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D Wayfinding</b>							
1	ID Signs		0	EA	\$2,500.00		\$0.00 key entrances; single metal post mounted
2	Maps		0	EA	\$3,500.00		\$0.00 key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00		\$0.00 1/4 mile interval w/markings
4	Directional Signs		0	EA	\$1,200.00		\$0.00 locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00		\$0.00 250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$0.00</b>	
<b>Preliminary Total</b>						<b>\$0.00</b>	
<b>20% Contingency</b>						<b>\$0.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$0.00</b>	x preliminary total + contingency
<b>Total</b>						<b>\$0.00</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$0.00</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>FUNDED</b>	

# Cost Estimates - PATHWAYS

## Pathway 3 - GOLDSBORO TRAIL (SR 46A to Oleander Ave.)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>Trails &amp; Pathways</b> (2.2 miles existing and 1.6 miles proposed)							
A.	Demolition Allowance						
1	Segment 1		0.6	Mile	\$33,000.00	\$19,800.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
	Segment 2		1	Mile	\$33,000.00	\$33,000.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		16896	LF	\$1.50	\$25,344.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	Segment 1 (Undeveloped ROW)		0.6	Mile	\$274,560.00	\$164,736.00	FDOT Long Range \$6.50 sf
	Segment 2 (South Side)		1	Mile	\$274,560.00	\$274,560.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		4	LS	\$3,000.00	\$12,000.00	Bench & Pad
9	Shade Trees (30 GAL)		401	EA	\$500.00	\$200,500.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$729,940.00</b>	
B.	Roadway Crossings						
1	Crossing		9	LS	\$15,000.00	\$135,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		1	LS	\$30,000.00	\$30,000.00	on demand flasher
<b>Subtotal</b>						<b>\$165,000.00</b>	
C.	Trailheads						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
D	Wayfinding						
1	ID Signs		2	EA	\$2,500.00	\$5,000.00	key entrances; single metal post mounted
2	Maps		2	EA	\$3,500.00	\$7,000.00	key entrances; single metal post mounted
3	Mile Markers		15	EA	\$200.00	\$3,000.00	1/4 mile interval w/markings
4	Directional Signs		9	EA	\$1,200.00	\$10,800.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$25,800.00</b>	
<b>Preliminary Total</b>						<b>\$920,740.00</b>	
<b>20% Contingency</b>						<b>\$184,148.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$165,733.20</b>	x preliminary total + contingency
<b>Total</b>						<b>\$1,270,621.20</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$254,124.24</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$1,524,745.44</b>	

**Pathway 4 - LAKE MARY PATHWAY (Primera Blvd. to St. Johns River/Volusia County)**

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A. Trails &amp; Pathways</b> (9.3 miles existing and 2.6 miles proposed)							
1	Demolition Allowance		2.6	Mile	\$33,000.00	\$85,800.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		27456	LF	\$1.50	\$41,184.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (South Side)</i>	US 1792 to Red Cleveland Blvd.	2.6	Mile	\$274,560.00	\$713,856.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		12	LS	\$3,000.00	\$36,000.00	Bench & Pad
9	Shade Trees (30 GAL)		1257	EA	\$500.00	\$628,500.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$1,505,340.00</b>	
<b>B. Roadway Crossings</b>							
1	Crossing		5	LS	\$15,000.00	\$75,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$75,000.00</b>	
<b>C. Trailheads</b>							
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D. Wayfinding</b>							
1	ID Signs		13	EA	\$2,500.00	\$32,500.00	key entrances; single metal post mounted
2	Maps		13	EA	\$3,500.00	\$45,500.00	key entrances; single metal post mounted
3	Mile Markers		48	EA	\$200.00	\$9,600.00	1/4 mile interval w/markings
4	Directional Signs		13	EA	\$1,200.00	\$15,600.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$103,200.00</b>	
<b>Preliminary Total</b>						<b>\$1,683,540.00</b>	
<b>20% Contingency</b>						<b>\$336,708.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$303,037.20</b>	x preliminary total + contingency
<b>Total</b>						<b>\$2,323,285.20</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$464,657.04</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$2,787,942.24</b>	

# Cost Estimates - PATHWAYS

## Pathway 5 - WEKIVA SPRINGS PATHWAY (Orange County Line to Seminole Wekiva Trail)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A. Trails &amp; Pathways (2.8 miles existing and 2.0 miles proposed)</b>							
1	Demolition Allowance						
	Segment 1		0.9	Mile	\$33,000.00	\$29,700.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
	Segment 2		1.1	Mile	\$33,000.00	\$36,300.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		21120	LF	\$1.50	\$31,680.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	Segment 1 (North Side)		0.9	Mile	\$274,560.00	\$247,104.00	FDOT Long Range \$6.50 sf
	Segment 2 (South Side)		1.1	Mile	\$274,560.00	\$302,016.00	FDOT Long Range \$6.50 sf
7	Boardwalk			SF	\$75.00	\$0.00	10' wide
8	Rest Area		5	LS	\$3,000.00	\$15,000.00	Bench & Pad
9	Shade Trees (30 GAL)		507	EA	\$500.00	\$253,500.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$915,300.00</b>	
<b>B. Roadway Crossings</b>							
							curb cuts (2), non-mountable curbing,
1	Crossing		7	LS	\$15,000.00	\$105,000.00	striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$105,000.00</b>	
<b>C. Trailheads</b>							
							20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain,
1	New Trailhead		0	LS	\$83,000.00	\$0.00	bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D. Wayfinding</b>							
1	ID Signs		4	EA	\$2,500.00	\$10,000.00	key entrances; single metal post mounted
2	Maps		4	EA	\$3,500.00	\$14,000.00	key entrances; single metal post mounted
3	Mile Markers		19	EA	\$200.00	\$3,800.00	1/4 mile interval w/markings
4	Directional Signs		8	EA	\$1,200.00	\$9,600.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$37,400.00</b>	
<b>Preliminary Total</b>						<b>\$1,057,700.00</b>	
<b>20% Contingency</b>						<b>\$211,540.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$190,386.00</b>	x preliminary total + contingency
<b>Total</b>						<b>\$1,459,626.00</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$291,925.20</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$1,751,551.20</b>	

**Pathway 6 - CASSELBERRY GREENWAY TRAIL PATHWAY (Lake Concord Park to Wirz Park)**

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>Trails &amp; Pathways</b> (4.7 miles existing and 0.6 miles proposed)							
A.	Demolition Allowance		0.6	Mile	\$33,000.00	\$19,800.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		6336	LF	\$1.50	\$9,504.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path ( <i>West Side</i> )	Overbrook Dr. to Triplet Lake Dr.	0.6	Mile	\$274,560.00	\$164,736.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Shade Trees (30 GAL)		560	EA	\$500.00	\$280,000.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$474,040.00</b>	
<b>B. Roadway Crossings</b>							
1	Crossing		0	LS	\$15,000.00	\$0.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$0.00</b>	
<b>C. Trailheads</b>							
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D. Wayfinding</b>							
1	ID Signs		5	EA	\$2,500.00	\$12,500.00	key entrances; single metal post mounted
2	Maps		5	EA	\$3,500.00	\$17,500.00	key entrances; single metal post mounted
3	Mile Markers		21	EA	\$200.00	\$4,200.00	1/4 mile interval w/markings
4	Directional Signs		11	EA	\$1,200.00	\$13,200.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$47,400.00</b>	
<b>Preliminary Total</b>						<b>\$521,440.00</b>	
<b>20% Contingency</b>						<b>\$104,288.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$93,859.20</b>	x preliminary total + contingency
<b>Total</b>						<b>\$719,587.20</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$143,917.44</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$863,504.64</b>	

# Cost Estimates - PATHWAYS

## Pathway 7 - 17/92 PATHWAY (Maitland Blvd. Interchange to Sanford River Walk)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A. Trails &amp; Pathways</b> (5.8 miles existing and 7.9 miles proposed)							
1	Demolition Allowance						
	Segment 1		0.4	Mile	\$33,000.00	\$13,200.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
	Segment 2		3.2	Mile	\$33,000.00	\$105,600.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
	Segment 3		4.3	Mile	\$33,000.00	\$141,900.00	existing 5' sidewalk; \$1.00 sf
2	Silt Fence		83424	LF	\$1.50	\$125,136.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	Segment 1 (East Side)	Ridge Rd. to North St.	0.4	Mile	\$274,560.00	\$109,824.00	FDOT Long Range \$6.50 sf
	Segment 2 (East Side)	Melody Lane to Shepard Rd.	3.2	Mile	\$274,560.00	\$878,592.00	FDOT Long Range \$6.50 sf
		Lake Mary Blvd. to Sanford River					
	Segment 3 (West Side)	Walk	4.3	Mile	\$274,560.00	\$1,180,608.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		14	LS	\$3,000.00	\$42,000.00	Bench & Pad
9	Shade Trees (30 GAL)		1447	EA	\$500.00	\$723,500.00	1/100' if both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$3,320,360.00</b>	
<b>B. Roadway Crossings</b>							
1	Crossing		48	LS	\$15,000.00	\$720,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$720,000.00</b>	
<b>C. Trailheads</b>							
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D. Wayfinding</b>							
1	ID Signs		19	EA	\$2,500.00	\$47,500.00	key entrances; single metal post mounted
2	Maps		19	EA	\$3,500.00	\$66,500.00	key entrances; single metal post mounted
3	Mile Markers		54	EA	\$200.00	\$10,800.00	1/4 mile interval w/markings
4	Directional Signs		19	EA	\$1,200.00	\$22,800.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$147,600.00</b>	
<b>Preliminary Total</b>						<b>\$4,187,960.00</b>	
<b>20% Contingency</b>						<b>\$837,592.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$753,832.80</b>	x preliminary total + contingency
<b>Total</b>						<b>\$5,779,384.80</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$1,155,876.96</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$6,935,261.76</b>	

### Pathway 8 - SR 46A PATHWAY (Cross Seminole Trail to C.S. Lee Park)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A. Trails &amp; Pathways (21.4 miles total)</b>							
		Cross Seminole Trail to Mellonville					
1	Demolition Allowance	Av.	5.1	Mile	\$33,000.00	\$168,300.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		184800	LF	\$1.50	\$277,200.00	Silt fence, both sides of trail
3	14' Asphalt Path						
	<i>Segment 2 (North Side)</i>	Lake Mary Blvd. to C.S. Lee Park	12.4	Mile	\$384,384.00	\$4,766,361.60	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (North Side)</i>	Cross Seminole Trail to Mellonville	5.1	Mile	\$274,560.00	\$1,400,256.00	FDOT Long Range \$6.50 sf
7	Boardwalk	Av.	0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		20	LS	\$3,000.00	\$60,000.00	Bench & Pad
9	Shade Trees (30 GAL)		2260	EA	\$500.00	\$1,130,000.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$7,802,117.60</b>	
<b>B. Roadway Crossings</b>							
							curb cuts (2), non-mountable curbing,
1	Crossing		30	LS	\$15,000.00	\$450,000.00	striping (24'), signage (8)
2	Specialized Signalization	St. Johns Bridge at Cameron Wight Park	1	LS	\$30,000.00	\$30,000.00	Bridge shoulder use
<b>Subtotal</b>						<b>\$480,000.00</b>	
<b>C. Trailheads</b>							
1	New Trailhead						
	Tier 2	C.S. Lee Park					20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain,
	Tier 3	Cameron Wight Park	1	LS	\$83,000.00	\$83,000.00	bike repair station, kiosk
							20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain,
			1	LS	\$187,000.00	\$187,000.00	bike repair station, kiosk, restrooms
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$270,000.00</b>	
<b>D. Wayfinding</b>							
1	ID Signs		9	EA	\$2,500.00	\$22,500.00	key entrances; single metal post mounted
2	Maps		11	EA	\$3,500.00	\$38,500.00	key entrances; single metal post mounted
3	Mile Markers		82	EA	\$200.00	\$16,400.00	1/4 mile interval w/markings
4	Directional Signs		30	EA	\$1,200.00	\$36,000.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$113,400.00</b>	
<b>Preliminary Total</b>						<b>\$8,665,517.60</b>	
<b>20% Contingency</b>						<b>\$1,733,103.52</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$1,559,793.17</b>	x preliminary total + contingency
<b>Total</b>						<b>\$11,958,414.29</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$2,391,682.86</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$14,350,097.15</b>	

# Cost Estimates - PATHWAYS

## Pathway 9 - TWIN RIVERS PATHWAY (McCulloch Rd. to SR 426)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (5.7 miles total)</b>						
1	Demolition Allowance		4.3	Mile	\$33,000.00	\$141,900.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		45408	LF	\$1.50	\$68,112.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (West Side)</i>	McCulloch Rd. to Ashland Trail	4.3	Mile	\$274,560.00	\$1,180,608.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		6	LS	\$3,000.00	\$18,000.00	Bench & Pad
9	Shade Trees (30 GAL)		602	EA	\$500.00	\$301,000.00	1/100' if both sides, includes water bag and refill for establishment
	<b>Subtotal</b>					<b>\$1,709,620.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		24	LS	\$15,000.00	\$360,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
	<b>Subtotal</b>					<b>\$360,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
	<b>Subtotal</b>					<b>\$0.00</b>	
<b>D</b>	<b>Wayfinding</b>						
1	ID Signs		5	EA	\$2,500.00	\$12,500.00	key entrances; single metal post mounted
2	Maps		5	EA	\$3,500.00	\$17,500.00	key entrances; single metal post mounted
3	Mile Markers		23	EA	\$200.00	\$4,600.00	1/4 mile interval w/markings
4	Directional Signs		24	EA	\$1,200.00	\$28,800.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
	<b>Subtotal</b>					<b>\$63,400.00</b>	
	<b>Preliminary Total</b>					<b>\$2,133,020.00</b>	
	<b>20% Contingency</b>					<b>\$426,604.00</b>	x preliminary total
	<b>15% Contractor General Conditions</b>					<b>\$383,943.60</b>	x preliminary total + contingency
	<b>Total</b>					<b>\$2,943,567.60</b>	
	<b>20% Design Fees + Permitting + CA</b>					<b>\$588,713.52</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
	<b>Grand Total</b>					<b>\$3,532,281.12</b>	



### Pathway 10 - CR 419 PATHWAY (Central Ave. to Snow Hill Trailhead)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (5.2 miles total)</b>						
1	Demolition Allowance		2.1	Mile	\$33,000.00	\$69,300.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
	Segment 1		0.8	Mile	\$33,000.00	\$26,400.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
	Segment 2		30624	LF	\$1.50	\$45,936.00	Silt fence, both sides of trail
2	Silt Fence		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
3	14' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
5	12' Concrete Path						
6	8' Concrete Path						
	Segment 1 (North Side)	Central Ave. to Lockwood Blvd.	2.1	Mile	\$274,560.00	\$576,576.00	FDOT Long Range \$6.50 sf
	Segment 2 (North Side)	CR 419 to Snow Hill Trailhead	0.8	Mile	\$274,560.00	\$219,648.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		5	LS	\$3,000.00	\$15,000.00	Bench & Pad
9	Shade Trees (30 GAL)		549	EA	\$500.00	\$274,500.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$1,227,360.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		16	LS	\$15,000.00	\$240,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$240,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, Shelter, ADA parking, monument sign, bike
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D</b>	<b>Wayfinding</b>						
1	ID Signs		4	EA	\$2,500.00	\$10,000.00	key entrances; single metal post mounted
2	Maps		4	EA	\$3,500.00	\$14,000.00	key entrances; single metal post mounted
3	Mile Markers		20	EA	\$200.00	\$4,000.00	1/4 mile interval w/markings
4	Directional Signs		16	EA	\$1,200.00	\$19,200.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$47,200.00</b>	
<b>Preliminary Total</b>						<b>\$1,514,560.00</b>	
<b>20% Contingency</b>						<b>\$302,912.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$272,620.80</b>	x preliminary total + contingency
<b>Total</b>						<b>\$2,090,092.80</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$418,018.56</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$2,508,111.36</b>	

# Cost Estimates - PATHWAYS

## Pathway 11 - LAKE EMMA PATHWAY (Longwood Hills Rd. to Rinehart Rd./Cross Seminole Trail)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>Trails &amp; Pathways</b> (1.2 miles existing and 3 miles proposed)							
A.	Demolition Allowance		3	Mile	\$33,000.00	\$99,000.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		31680	LF	\$1.50	\$47,520.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	Segment 1 (West Side)	Longwood Hills Rd. to Lake Mary Blvd.	3	Mile	\$274,560.00	\$823,680.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		4	LS	\$3,000.00	\$12,000.00	Bench & Pad
9	Shade Trees (30 GAL)		444	EA	\$500.00	\$222,000.00	1/100' if both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$1,204,200.00</b>	
<b>B. Roadway Crossings</b>							
1	Crossing		12	LS	\$15,000.00	\$180,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$180,000.00</b>	
<b>C. Trailheads</b>							
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D. Wayfinding</b>							
1	ID Signs		5	EA	\$2,500.00	\$12,500.00	key entrances; single metal post mounted
2	Maps		5	EA	\$3,500.00	\$17,500.00	key entrances; single metal post mounted
3	Mile Markers		17	EA	\$200.00	\$3,400.00	1/4 mile interval w/markings
4	Directional Signs		12	EA	\$1,200.00	\$14,400.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$47,800.00</b>	
<b>Preliminary Total</b>						<b>\$1,432,000.00</b>	
<b>20% Contingency</b>						<b>\$286,400.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$257,760.00</b>	x preliminary total + contingency
<b>Total</b>						<b>\$1,976,160.00</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$395,232.00</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$2,371,392.00</b>	

**Pathway 12 - BLACK HAMMOCK PATHWAY (Geneva Dr. to SR 46)**

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways Unpaved</b>						
1	Demolition Allowance		0.8	Mile	\$33,000.00		\$26,400.00 existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		8448	LF	\$1.50		\$12,672.00 Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00		\$0.00 FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00		\$0.00 FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00		\$0.00 FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (Abandoned ROW)</i>	Geneva Dr. to Howard Ave.	0.8	Mile	\$274,560.00		\$219,648.00 FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00		\$0.00 10' wide
8	Rest Area		0	LS	\$3,000.00		\$0.00 Bench & Pad
9	Shade Trees (30 GAL)		0	EA	\$500.00		\$0.00 1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$258,720.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		2	LS	\$15,000.00		curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		1	LS	\$30,000.00		\$30,000.00 on demand flasher @ SR 46
<b>Subtotal</b>						<b>\$60,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00		20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, \$0.00 bike repair station
2	Existing Trailhead Enhancements Tier 2	Black Hammock Wilderness Area Trailhead	1	LS	\$40,000.00		Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$40,000.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		2	EA	\$2,500.00		\$5,000.00 key entrances; single metal post mounted
2	Maps		2	EA	\$3,500.00		\$7,000.00 key entrances; single metal post mounted
3	Mile Markers		23	EA	\$200.00		\$4,600.00 1/4 mile interval w/markings
4	Directional Signs		9	EA	\$1,200.00		\$10,800.00 locations of indirect route continuation
5	Sharrow Markings	BHWA to SR 46	79	EA	\$1,000.00		\$79,000.00 250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$106,400.00</b>	
<b>Preliminary Total</b>						<b>\$465,120.00</b>	
<b>20% Contingency</b>						<b>\$93,024.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$83,721.60</b>	x preliminary total + contingency
<b>Total</b>						<b>\$641,865.60</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$128,373.12</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$770,238.72</b>	

# Cost Estimates - PATHWAYS

## Pathway 13 - HOWELL CREEK PATHWAY (SR 426/Cross Seminole Trail to Tuscora Drive/Cross Seminole Trail)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (4.7 miles total)</b>						
1	Demolition Allowance		2.4	Mile	\$33,000.00	\$79,200.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		49632	LF	\$1.50	\$74,448.00	Silt fence, both sides of trail
3	14' Asphalt Path						
	<i>Segment 2 (Powerline Easement)</i>						
		Redbud Lake Rd. to Northern Wy.	2.3	Mile	\$384,384.00	\$884,083.20	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (North Side)</i>	SR 436/Cross Seminole Trail to					
		Power Easement	1.4	Mile	\$274,560.00	\$384,384.00	FDOT Long Range \$6.50 sf
	<i>Segment 3 (North/West Side)</i>	Power Easement to Cross Seminole					
			1	Mile	\$274,560.00	\$274,560.00	FDOT Long Range \$6.50 sf
7	Boardwalk		350	SF	\$75.00	\$26,250.00	10' wide
8	Rest Area		4	LS	\$3,000.00	\$12,000.00	Bench & Pad
9	Shade Trees (30 GAL)		496	EA	\$500.00	\$248,000.00	1/100' If both sides, includes water bag and refill for establishment
	<b>Subtotal</b>					<b>\$1,982,925.20</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
							curb cuts (2), non-mountable curbing,
1	Crossing		26	LS	\$15,000.00	\$390,000.00	striping (24'), signage (8)
2	Specialized Signalization		1	LS	\$30,000.00	\$30,000.00	on demand flasher
	<b>Subtotal</b>					<b>\$420,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
							20 Paved Spaces, shelter, monument sign,
							bike racks, solar light, drinking fountain,
1	New Trailhead		0	LS	\$83,000.00	\$0.00	bike repair station
							Shelter, ADA parking, monument sign, bike
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	racks, sign, solar light
	<b>Subtotal</b>					<b>\$0.00</b>	
<b>D</b>	<b>Wayfinding</b>						
1	ID Signs		5	EA	\$2,500.00	\$12,500.00	key entrances; single metal post mounted
2	Maps		5	EA	\$3,500.00	\$17,500.00	key entrances; single metal post mounted
3	Mile Markers		18	EA	\$200.00	\$3,600.00	1/4 mile interval w/markings
4	Directional Signs		26	EA	\$1,200.00	\$31,200.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
	<b>Subtotal</b>					<b>\$64,800.00</b>	
	<b>Preliminary Total</b>					<b>\$2,467,725.20</b>	
	<b>20% Contingency</b>					<b>\$493,545.04</b>	x preliminary total
	<b>15% Contractor General Conditions</b>					<b>\$444,190.54</b>	x preliminary total + contingency
	<b>Total</b>					<b>\$3,405,460.78</b>	
							x total (Permitting fees not included; survey,
							construction phase services limited to site visits,
	20% Design Fees + Permitting + CA					<b>\$681,092.16</b>	RFIs & submittals)
	<b>Grand Total</b>					<b>\$4,086,552.93</b>	

**Pathway 14 - LAKE PROCTOR TRAIL PATHWAY (SR 46 to St. Johns River)**

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description	
<b>A. Trails &amp; Pathways (7.7 miles proposed)</b>								
1	Demolition Allowance	SR 46 to St. Johns River	0	Mile	\$33,000.00		\$0.00 existing 5' sidewalk; \$1.00 sf and/or ex. site conditions	
2	Silt Fence		81312	LF	\$1.50	\$121,968.00	Silt fence, both sides of trail	
3	14' Asphalt Path		7.7	Mile	\$384,384.00	\$2,959,756.80	FDOT Long Range \$5.20 sf	
4	12' Asphalt Path		0	Mile	\$329,472.00		\$0.00 FDOT Long Range \$5.20 sf	
5	12" Concrete Path		0	Mile	\$411,840.00		\$0.00 FDOT Long Range \$6.50 sf	
6	8' Concrete Path		0	Mile	\$274,560.00		\$0.00 FDOT Long Range \$6.50 sf	
7	Boardwalk		970	SF	\$75.00	\$72,750.00	10' wide	
8	Rest Area		8	LS	\$3,000.00	\$24,000.00	Bench & Pad	
9	Shade Trees (30 GAL)		813	EA	\$500.00	\$406,500.00	1/100' If both sides, includes water bag and refill for establishment	
<b>Subtotal</b>						<b>\$3,584,974.80</b>		
<b>B. Roadway Crossings</b>								
1	Crossing		3	LS	\$15,000.00	\$45,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)	
2	Specialized Signalization		2	LS	\$30,000.00	\$60,000.00	on demand flasher	
<b>Subtotal</b>						<b>\$105,000.00</b>		
<b>C. Trailheads</b>								
1	New Trailhead	Lake Proctor Wilderness Area	0	LS	\$83,000.00		20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station	
2	Existing Trailhead Enhancements Tier 2		1	LS	\$40,000.00	\$40,000.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light	
<b>Subtotal</b>						<b>\$40,000.00</b>		
<b>D Wayfinding</b>								
1	ID Signs		2	EA	\$2,500.00	\$5,000.00	key entrances; single metal post mounted	
2	Maps		2	EA	\$3,500.00	\$7,000.00	key entrances; single metal post mounted	
3	Mile Markers		31	EA	\$200.00	\$6,200.00	1/10 mile interval w/markings	
4	Directional Signs		4	EA	\$1,200.00	\$4,800.00	locations of indirect route continuation	
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction	
<b>Subtotal</b>						<b>\$23,000.00</b>		
<b>Preliminary Total</b>						<b>\$3,752,974.80</b>		
<b>20% Contingency</b>						<b>\$750,594.96</b>	x preliminary total	
<b>15% Contractor General Conditions</b>						<b>\$675,535.46</b>	x preliminary total + contingency	
<b>Total</b>						<b>\$5,179,105.22</b>		
<b>20% Design Fees + Permitting + CA</b>						<b>\$1,035,821.04</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)	
<b>Grand Total</b>						<b>\$6,214,926.27</b>		

# Cost Estimates - PATHWAYS

Pathway 15 - SR 46 GATEWAY PATHWAY (Lake County/Lake County Wekiva Trail to Sanford River Walk)								
Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description	
<b>A.</b>	<b>Trails &amp; Pathways (8.3 miles total)</b>							
1	Demolition Allowance			Mile	\$33,000.00		\$0.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		35904	LF	\$1.50		\$53,856.00	Silt fence, both sides of trail
3	14' Asphalt Path			Mile	\$384,384.00		\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path			Mile	\$329,472.00		\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path			Mile	\$411,840.00		\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path							
	Segment 1 (North Side)	Towne Center Blvd. to Marbella Ln.	3.4	Mile	\$274,560.00		\$933,504.00	FDOT Long Range \$6.50 sf
7	Boardwalk			SF	\$75.00		\$0.00	10' wide
8	Rest Area		8	LS	\$3,000.00		\$24,000.00	Bench & Pad
9	Shade Trees (30 GAL)		876	EA	\$500.00		\$438,000.00	1/100' If both sides, includes water bag and refill for establishment
	<b>Subtotal</b>						<b>\$1,449,360.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>							
1	Crossing		8	LS	\$15,000.00		\$120,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization			LS	\$30,000.00		\$0.00	on demand flasher
	<b>Subtotal</b>						<b>\$120,000.00</b>	
<b>C.</b>	<b>Trailheads</b>							
1	New Trailhead							
	Tier 2	Wilson's Landing						
	Tier 3	Sanford SunRail Station	1	LS	\$83,000.00		\$83,000.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
			1	LS	\$187,000.00		\$187,000.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station, kiosk, restrooms
2	Existing Trailhead Enhancements		0	LS	\$40,000.00		\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
	<b>Subtotal</b>						<b>\$270,000.00</b>	
<b>D.</b>	<b>Wayfinding</b>							
1	ID Signs			EA	\$2,500.00		\$0.00	key entrances; single metal post mounted
2	Maps		4	EA	\$3,500.00		\$14,000.00	key entrances; single metal post mounted
3	Mile Markers		33	EA	\$200.00		\$6,600.00	1/4 mile interval w/markings
4	Directional Signs		9	EA	\$1,200.00		\$10,800.00	locations of indirect route continuation
5	Sharrow Markings			EA	\$1,000.00		\$0.00	250' oc; sign and markings each direction
	<b>Subtotal</b>						<b>\$31,400.00</b>	
	<b>Preliminary Total</b>						<b>\$1,870,760.00</b>	
	<b>20% Contingency</b>						<b>\$374,152.00</b>	x preliminary total
	<b>15% Contractor General Conditions</b>						<b>\$336,736.80</b>	x preliminary total + contingency
	<b>Total</b>						<b>\$2,581,648.80</b>	
	20% Design Fees + Permitting + CA						<b>\$516,329.76</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
	<b>Grand Total</b>						<b>\$3,097,978.56</b>	

**Pathway 16 - GENEVA PATHWAY (Oviedo Blvd./Cross Seminole Trail to Geneva Wilderness Area/Flagler Trail)**

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description	
<b>A. Trails &amp; Pathways (6.2 miles proposed)</b>								
1	Demolition Allowance	Oviedo Blvd. to Geneva Wilderness Area	6.2	Mile	\$33,000.00	\$204,600.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions	
2	Silt Fence		65472	LF	\$1.50	\$98,208.00	Silt fence, both sides of trail	
3	14' Asphalt Path			Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf	
4	12' Asphalt Path			Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf	
5	12' Concrete Path			Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf	
6	8' Concrete Path							
	Segment 1 (North Side)							
			6.2	Mile	\$274,560.00	\$1,702,272.00	FDOT Long Range \$6.50 sf	
7	Boardwalk			SF	\$75.00	\$0.00	10' wide	
8	Rest Area		6	LS	\$3,000.00	\$18,000.00	Bench & Pad	
9	Shade Trees (30 GAL)		655	EA	\$500.00	\$327,500.00	1/100' If both sides, includes water bag and refill for establishment	
<b>Subtotal</b>						<b>\$2,350,580.00</b>		
<b>B. Roadway Crossings</b>								
1	Crossing		14	LS	\$15,000.00	\$210,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)	
2	Specialized Signalization			LS	\$30,000.00	\$0.00	on demand flasher	
<b>Subtotal</b>						<b>\$210,000.00</b>		
<b>C. Trailheads</b>								
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station	
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light	
<b>Subtotal</b>						<b>\$0.00</b>		
<b>D Wayfinding</b>								
1	ID Signs			EA	\$2,500.00	\$0.00	key entrances; single metal post mounted	
2	Maps		2	EA	\$3,500.00	\$7,000.00	key entrances; single metal post mounted	
3	Mile Markers		25	EA	\$200.00	\$5,000.00	1/4 mile interval w/markings	
4	Directional Signs		2	EA	\$1,200.00	\$2,400.00	locations of indirect route continuation	
5	Sharrow Markings			EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction	
<b>Subtotal</b>						<b>\$14,400.00</b>		
<b>Preliminary Total</b>						<b>\$2,574,980.00</b>		
<b>20% Contingency</b>						<b>\$514,996.00</b>	x preliminary total	
<b>15% Contractor General Conditions</b>						<b>\$463,496.40</b>	x preliminary total + contingency	
<b>Total</b>						<b>\$3,553,472.40</b>		
							x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)	
<b>20% Design Fees + Permitting + CA</b>						<b>\$710,694.48</b>		
<b>Grand Total</b>						<b>\$4,264,166.88</b>		

# Cost Estimates - PATHWAYS

## Pathway 17 - SPRING TO LAKE PATHWAY (US 1792 to Sanford River Walk)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A. Trails &amp; Pathways (7.8 miles proposed)</b>							
1	Demolition Allowance	US 1792 to Sanford River Walk	7.8	Mile	\$33,000.00	\$257,400.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		82368	LF	\$1.50	\$123,552.00	Silt fence, both sides of trail
3	14' Asphalt Path			Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path			Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path			Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (South + East Side)</i>		7.8	Mile	\$274,560.00	\$2,141,568.00	FDOT Long Range \$6.50 sf
7	Boardwalk			SF	\$75.00	\$0.00	10' wide
8	Rest Area		8	LS	\$3,000.00	\$24,000.00	Bench & Pad
9	Shade Trees (30 GAL)		824	EA	\$500.00	\$412,000.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$2,958,520.00</b>	
<b>B. Roadway Crossings</b>							
1	Crossing		45	LS	\$15,000.00	\$675,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization			LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$675,000.00</b>	
<b>C. Trailheads</b>							
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D Wayfinding</b>							
1	ID Signs			EA	\$2,500.00	\$0.00	key entrances; single metal post mounted
2	Maps		2	EA	\$3,500.00	\$7,000.00	key entrances; single metal post mounted
3	Mile Markers		32	EA	\$200.00	\$6,400.00	1/4 mile interval w/markings
4	Directional Signs		6	EA	\$1,200.00	\$7,200.00	locations of indirect route continuation
5	Sharrow Markings			EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$20,600.00</b>	
<b>Preliminary Total</b>						<b>\$3,654,120.00</b>	
<b>20% Contingency</b>						<b>\$730,824.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$657,741.60</b>	x preliminary total + contingency
<b>Total</b>						<b>\$5,042,685.60</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$1,008,537.12</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$6,051,222.72</b>	



### Pathway 18 - BRISSON AVE. (SR 19 to Celery Ave.)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A. Trails &amp; Pathways</b> (0.5 miles existing and 0.6 miles proposed)							
1	Demolition Allowance		0.6	Mile	\$33,000.00	\$19,800.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		6336	LF	\$1.50	\$9,504.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	Segment 1 (West Side)	SR 46 to Lingard Ave.	0.3	Mile	\$274,560.00	\$82,368.00	FDOT Long Range \$6.50 sf
	Segment 2 (West Side)	Daffadil Terrace to Celery Ave.	0.3	Mile	\$274,560.00	\$82,368.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		1	LS	\$3,000.00	\$3,000.00	Bench & Pad
9	Shade Trees (30 GAL)		116	EA	\$500.00	\$58,000.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$255,040.00</b>	
<b>B. Roadway Crossings</b>							
1	Crossing		3	LS	\$15,000.00	\$45,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$45,000.00</b>	
<b>C. Trailheads</b>							
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D. Wayfinding</b>							
1	ID Signs		2	EA	\$2,500.00	\$5,000.00	key entrances; single metal post mounted
2	Maps		2	EA	\$3,500.00	\$7,000.00	key entrances; single metal post mounted
3	Mile Markers		4	EA	\$200.00	\$800.00	1/4mile interval w/markings
4	Directional Signs		2	EA	\$1,200.00	\$2,400.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$15,200.00</b>	
<b>Preliminary Total</b>						<b>\$315,240.00</b>	
<b>20% Contingency</b>						<b>\$63,048.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$56,743.20</b>	x preliminary total + contingency
<b>Total</b>						<b>\$435,031.20</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$87,006.24</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$522,037.44</b>	

# Cost Estimates - CONNECTORS

## Connector 1 - LONGWOOD CONNECTOR (SR 434 to Long Hills Rd.)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (1.8 miles total)</b>						
1	Demolition Allowance		0.8	Mile	\$33,000.00	\$26,400.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		8448	LF	\$1.50	\$12,672.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (East Side)</i>	SR 434 to Warren Ave.	0.8	Mile	\$274,560.00	\$219,648.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		2	LS	\$3,000.00	\$6,000.00	Bench & Pad
9	Shade Trees (30 GAL)		190	EA	\$500.00	\$95,000.00	1/100' if both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$359,720.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		7	LS	\$15,000.00	\$105,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$105,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		2	EA	\$2,500.00	\$5,000.00	key entrances; single metal post mounted
2	Maps		0	EA	\$3,500.00	\$0.00	key entrances; single metal post mounted
3	Mile Markers		7	EA	\$200.00	\$1,400.00	1/4 mile interval w/markings
4	Directional Signs		7	EA	\$1,200.00	\$8,400.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$14,800.00</b>	
<b>Preliminary Total</b>						<b>\$479,520.00</b>	
<b>20% Contingency</b>						<b>\$95,904.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$86,313.60</b>	x preliminary total + contingency
<b>Total</b>						<b>\$661,737.60</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$132,347.52</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$794,085.12</b>	

**Connector 2 - LIVE OAK LOOP CONNECTOR (CR 419/Live Oak Reserve Blvd. to CR 419/Sterling Creek Pkwy.) - N/A**

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (2.7 miles total)</b>						
1	Demolition Allowance		0	Mile	\$33,000.00		\$0.00 existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		0	LF	\$1.50		\$0.00 Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00		\$0.00 FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00		\$0.00 FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00		\$0.00 FDOT Long Range \$6.50 sf
6	8' Concrete Path		0	Mile	\$274,560.00		\$0.00 FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00		\$0.00 10' wide
8	Rest Area		0	LS	\$3,000.00		\$0.00 Bench & Pad
<b>Subtotal</b>						<b>\$0.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		0	LS	\$15,000.00		curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00		\$0.00 on demand flasher
<b>Subtotal</b>						<b>\$0.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00		20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00		Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		0	EA	\$2,500.00		\$0.00 key entrances; single metal post mounted
2	Maps		0	EA	\$3,500.00		\$0.00 key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00		\$0.00 1/4 mile interval w/markings
4	Directional Signs		0	EA	\$1,200.00		\$0.00 locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00		\$0.00 250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$0.00</b>	
<b>Preliminary Total</b>						<b>\$0.00</b>	
<b>20% Contingency</b>						<b>\$0.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$0.00</b>	x preliminary total + contingency
<b>Total</b>						<b>\$0.00</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$0.00</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>FUNDED</b>	

# Cost Estimates - CONNECTORS

## Connector 3 - ALTAMONTE SPRINGS SUNRAIL CONNECTOR (Maitland Ave. to Ronald Reagan Blvd.)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (0.5 miles total)</b>						
1	Demolition Allowance		0.5	Mile	\$33,000.00	\$16,500.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		5280	LF	\$1.50	\$7,920.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment (North Side)</i>	Maitland Ave. to Ronald Reagan Blvd.					
			0.5	Mile	\$274,560.00	\$137,280.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		1	LS	\$3,000.00	\$3,000.00	Bench & Pad
9	Shade Trees (30 GAL)		53	EA	\$500.00	\$26,500.00	1/100' If both sides, includes water bag and refill for establishment
	<b>Subtotal</b>					<b>\$191,200.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		5	LS	\$15,000.00	\$75,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
	<b>Subtotal</b>					<b>\$75,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
	<b>Subtotal</b>					<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		1	EA	\$2,500.00	\$2,500.00	key entrances; single metal post mounted
2	Maps		1	EA	\$3,500.00	\$3,500.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4 mile interval w/markings
4	Directional Signs		5	EA	\$1,200.00	\$6,000.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
	<b>Subtotal</b>					<b>\$12,000.00</b>	
	<b>Preliminary Total</b>					<b>\$278,200.00</b>	
	<b>20% Contingency</b>					<b>\$55,640.00</b>	x preliminary total
	<b>15% Contractor General Conditions</b>					<b>\$50,076.00</b>	x preliminary total + contingency
	<b>Total</b>					<b>\$383,916.00</b>	
	<b>20% Design Fees + Permitting + CA</b>					<b>\$76,783.20</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
	<b>Grand Total</b>					<b>\$460,699.20</b>	

### Connector 4 - REITER PARK CONNECTOR (Ronald Reagan Blvd. to Longwood Hills Rd.)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (2.2 miles total)</b>						
1	Demolition Allowance		2.2	Mile	\$33,000.00	\$72,600.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		23232	LF	\$1.50	\$34,848.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (North and East Side)</i>	Ronald Reagan Blvd. to Longwood Hills Rd.	2.2	Mile	\$274,560.00	\$604,032.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		2	LS	\$3,000.00	\$6,000.00	Bench & Pad
9	Shade Trees (30 GAL)		232	EA	\$500.00	\$116,000.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$833,480.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		5	LS	\$15,000.00	\$75,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$75,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		2	EA	\$2,500.00	\$5,000.00	key entrances; single metal post mounted
2	Maps		2	EA	\$3,500.00	\$7,000.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4 mile interval w/markings
4	Directional Signs		5	EA	\$1,200.00	\$6,000.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$18,000.00</b>	
<b>Preliminary Total</b>						<b>\$926,480.00</b>	
<b>20% Contingency</b>						<b>\$185,296.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$166,766.40</b>	x preliminary total + contingency
<b>Total</b>						<b>\$1,278,542.40</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$255,708.48</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$1,534,250.88</b>	

# Cost Estimates - CONNECTORS

## Connector 5 - OLD LAKE MARY CONNECTOR (Lake Mary Blvd. to H.E. Thomas Jr. Pkwy.)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (2.8 miles total)</b>						
1	Demolition Allowance		2.8	Mile	\$33,000.00	\$92,400.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		29568	LF	\$1.50	\$44,352.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	Segment 1 (West Side)	Lake Mary Blvd. to H.E. Thomas Jr. Pkwy.	2.8	Mile	\$274,560.00	\$768,768.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		3	LS	\$3,000.00	\$9,000.00	Bench & Pad
9	Shade Trees (30 GAL)		296	EA	\$500.00	\$148,000.00	1/100' If both sides, includes water bag and refill for establishment
	<b>Subtotal</b>					<b>\$1,062,520.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
							curb cuts (2), non-mountable curbing,
1	Crossing		12	LS	\$15,000.00	\$180,000.00	striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
	<b>Subtotal</b>					<b>\$180,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
							20 Paved Spaces, shelter, monument sign,
1	New Trailhead		0	LS	\$83,000.00	\$0.00	bike racks, solar light, drinking fountain, bike
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
	<b>Subtotal</b>					<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		2	EA	\$2,500.00	\$5,000.00	key entrances; single metal post mounted
2	Maps		2	EA	\$3,500.00	\$7,000.00	key entrances; single metal post mounted
3	Mile Markers		11	EA	\$200.00	\$2,200.00	1/4 mile interval w/markings
4	Directional Signs		12	EA	\$1,200.00	\$14,400.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
	<b>Subtotal</b>					<b>\$28,600.00</b>	
	<b>Preliminary Total</b>					<b>\$1,271,120.00</b>	
	<b>20% Contingency</b>					<b>\$254,224.00</b>	x preliminary total
	<b>15% Contractor General Conditions</b>					<b>\$228,801.60</b>	x preliminary total + contingency
	<b>Total</b>					<b>\$1,754,145.60</b>	
	<b>20% Design Fees + Permitting + CA</b>					<b>\$350,829.12</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
	<b>Grand Total</b>					<b>\$2,104,974.72</b>	

**Connector 6 - LAKE MARY SPORTS COMPLEX CONNECTOR (Lake Mary Blvd. to Rinehart Rd./Cross Seminole Trail)**

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (2.8 miles total)</b>						
1	Demolition Allowance		2.8	Mile	\$33,000.00	\$92,400.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		29568	LF	\$1.50	\$44,352.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (East and North Side)</i>	Lake Mary Blvd. to Rinehart Rd./Cross Seminole Trail	2.8	Mile	\$274,560.00	\$768,768.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		3	LS	\$3,000.00	\$9,000.00	Bench & Pad
9	Shade Trees (30 GAL)		296	EA	\$500.00	\$148,000.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$1,062,520.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		16	LS	\$15,000.00	\$240,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$240,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		2	EA	\$2,500.00	\$5,000.00	key entrances; single metal post mounted
2	Maps		2	EA	\$3,500.00	\$7,000.00	key entrances; single metal post mounted
3	Mile Markers		11	EA	\$200.00	\$2,200.00	1/4 mile interval w/markings
4	Directional Signs		16	EA	\$1,200.00	\$19,200.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$33,400.00</b>	
<b>Preliminary Total</b>						<b>\$1,335,920.00</b>	
<b>20% Contingency</b>						<b>\$267,184.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$240,465.60</b>	x preliminary total + contingency
<b>Total</b>						<b>\$1,843,569.60</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$368,713.92</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$2,212,283.52</b>	

# Cost Estimates - CONNECTORS

## Connector 7 - ROLLING HILLS WEST CONNECTOR (Central Parkway to North Street; Barton Street to SR 434)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (1.2 miles total)</b>						
1	Demolition Allowance						
	Segment 1 (Side)	Central Pkwy to North Street	1	Mile	\$33,000.00	\$33,000.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
	Segment 2 (Side)	Barton Street to SR 434	0.2	Mile	\$33,000.00	\$6,600.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		12672	LF	\$1.50	\$19,008.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	Segment 1 (East, South, West Sides)	Central Pkwy to North Street	1	Mile	\$274,560.00	\$274,560.00	FDOT Long Range \$6.50 sf
	Segment 2 (West Side)	Barton Street to SR 434	0.2				
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		2	LS	\$3,000.00	\$6,000.00	Bench & Pad
9	Shade Trees (30 GAL)		127	EA	\$500.00	\$63,500.00	1/100' If both sides, includes water bag and refill for establishment
	<b>Subtotal</b>					<b>\$402,668.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		3	LS	\$15,000.00	\$45,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
	<b>Subtotal</b>					<b>\$45,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
	<b>Subtotal</b>					<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		0	EA	\$2,500.00	\$0.00	key entrances; single metal post mounted
2	Maps		2	EA	\$3,500.00	\$7,000.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4 mile interval w/markings
4	Directional Signs		3	EA	\$1,200.00	\$3,600.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
	<b>Subtotal</b>					<b>\$10,600.00</b>	
	<b>Preliminary Total</b>					<b>\$458,268.00</b>	
	<b>20% Contingency</b>					<b>\$91,653.60</b>	x preliminary total
	<b>15% Contractor General Conditions</b>					<b>\$82,488.24</b>	x preliminary total + contingency
	<b>Total</b>					<b>\$632,409.84</b>	
	<b>20% Design Fees + Permitting + CA</b>					<b>\$126,481.97</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
	<b>Grand Total</b>					<b>\$758,891.81</b>	



### Connector 8 - ROLLING HILLS EAST CONNECTOR (Central Parkway to Hobson Street)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (1 mile proposed)</b>						
1	Demolition Allowance		1	Mile	\$33,000.00	\$33,000.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		10560	LF	\$1.50	\$15,840.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (East Side)</i>	Central Pkwy. to Hobson St.	1	Mile	\$274,560.00	\$274,560.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		1	LS	\$3,000.00	\$3,000.00	Bench & Pad
9	Shade Trees (30 GAL)		105	EA	\$500.00	\$52,500.00	1/100' If both sides, includes water bag and refill for establishment
	<b>Subtotal</b>					<b>\$378,900.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
							curb cuts (2), non-mountable curbing,
1	Crossing		12	LS	\$15,000.00	\$180,000.00	striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
	<b>Subtotal</b>					<b>\$180,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
							20 Paved Spaces, shelter, monument sign,
							bike racks, solar light, drinking fountain,
1	New Trailhead		0	LS	\$83,000.00	\$0.00	bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
	<b>Subtotal</b>					<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		0	EA	\$2,500.00	\$0.00	key entrances; single metal post mounted
2	Maps		2	EA	\$3,500.00	\$7,000.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4 mile interval w/markings
4	Directional Signs		3	EA	\$1,200.00	\$3,600.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
	<b>Subtotal</b>					<b>\$10,600.00</b>	
	<b>Preliminary Total</b>					<b>\$569,500.00</b>	
	<b>20% Contingency</b>					<b>\$113,900.00</b>	x preliminary total
	<b>15% Contractor General Conditions</b>					<b>\$102,510.00</b>	x preliminary total + contingency
	<b>Total</b>					<b>\$785,910.00</b>	
							x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
	20% Design Fees + Permitting + CA					<b>\$157,182.00</b>	
	<b>Grand Total</b>					<b>\$943,092.00</b>	

# Cost Estimates - CONNECTORS

## Connector 9 - ROLLING HILLS NORTH CONNECTOR (Robert Street to SR 434)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (0.3 miles total)</b>						
1	Demolition Allowance		0.3	Mile	\$33,000.00	\$9,900.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		3168	LF	\$1.50	\$4,752.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (East Side)</i>	Robert Street to SR 434	0.3	Mile	\$274,560.00	\$82,368.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		1	LS	\$3,000.00	\$3,000.00	Bench & Pad
9	Shade Trees (30 GAL)		32	EA	\$500.00	\$16,000.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$116,020.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		0	LS	\$15,000.00		curb cuts (2), non-mountable curbing,
2	Specialized Signalization		0	LS	\$30,000.00		\$0.00 striping (24'), signage (8)
							\$0.00 on demand flasher
<b>Subtotal</b>						<b>\$0.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		0	EA	\$2,500.00	\$0.00	key entrances; single metal post mounted
2	Maps		1	EA	\$3,500.00	\$3,500.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4 mile interval w/markings
4	Directional Signs		2	EA	\$1,200.00	\$2,400.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$5,900.00</b>	
<b>Preliminary Total</b>						<b>\$121,920.00</b>	
<b>20% Contingency</b>						<b>\$24,384.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$21,945.60</b>	x preliminary total + contingency
<b>Total</b>						<b>\$168,249.60</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$33,649.92</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$201,899.52</b>	

### Connector 10 - KEWANEE CONNECTOR (Ballard Street to SR 436)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A. Trails &amp; Pathways (3.6 miles proposed)</b>							
1	Demolition Allowance		1.6	Mile	\$33,000.00	\$52,800.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		16896	LF	\$1.50	\$25,344.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (West - Camino, North - Pennsylvania, East - Maitland Ave., North - Oranole, East - Oakland)</i>						
		Ballard Street to Spring Lake Rd.	1.6	Mile	\$274,560.00	\$439,296.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		4	LS	\$3,000.00	\$12,000.00	Bench & Pad
9	Shade Trees (30 GAL)		380	EA	\$500.00	\$190,000.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$719,440.00</b>	
<b>B. Roadway Crossings</b>							
1	Crossing		4	LS	\$15,000.00	\$60,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$60,000.00</b>	
<b>C. Trailheads</b>							
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D. Wayfinding</b>							
1	ID Signs		2	EA	\$2,500.00	\$5,000.00	key entrances; single metal post mounted
2	Maps		2	EA	\$3,500.00	\$7,000.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4 mile interval w/markings
4	Directional Signs		4	EA	\$1,200.00	\$4,800.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$16,800.00</b>	
<b>Preliminary Total</b>						<b>\$796,240.00</b>	
<b>20% Contingency</b>						<b>\$159,248.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$143,323.20</b>	x preliminary total + contingency
<b>Total</b>						<b>\$1,098,811.20</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$219,762.24</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$1,318,573.44</b>	

# Cost Estimates - CONNECTORS

## Connector 11 - LAKE LOTUS LOOP CONNECTOR (Loop Starting and ending at Intersection of McNeill Road and Eden Park Road)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (4.4 total)</b>						
1	Demolition Allowance		3.5	Mile	\$33,000.00	\$115,500.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		36960	LF	\$1.50	\$55,440.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (North - McNeill, West - Pearl Lake, South - Bunnell Road, South - Sunshine, West - 434, North - Start at Bunnell Road and Eden Park Gateway, North - Maitland Blvd. )</i>						
		Intersection and Ends at Maitland Blvd. and Eden Park Road	3.5	Mile	\$274,560.00	\$960,960.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		4	LS	\$3,000.00	\$12,000.00	Bench & Pad
9	Shade Trees (30 GAL)		465	EA	\$500.00	\$232,500.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$1,376,400.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		9	LS	\$15,000.00	\$135,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$135,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		4	EA	\$2,500.00	\$10,000.00	key entrances; single metal post mounted
2	Maps		4	EA	\$3,500.00	\$14,000.00	key entrances; single metal post mounted
3	Mile Markers		18	EA	\$200.00	\$3,600.00	1/4 mile interval w/markings
4	Directional Signs		9	EA	\$1,200.00	\$10,800.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$38,400.00</b>	
<b>Preliminary Total</b>						<b>\$1,549,800.00</b>	
<b>20% Contingency</b>						<b>\$309,960.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$278,964.00</b>	x preliminary total + contingency
<b>Total</b>						<b>\$2,138,724.00</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$427,744.80</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$2,566,468.80</b>	

### Connector 12 - GATEWAY DRIVE (SR 434 to Keller Road)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (1.1 miles total)</b>						
1	Demolition Allowance		0.2	Mile	\$33,000.00	\$6,600.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		2112	LF	\$1.50	\$3,168.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (North Side)</i>	SR 434 to Publix Entry Drive	0.2	Mile	\$274,560.00	\$54,912.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		1	LS	\$3,000.00	\$3,000.00	Bench & Pad
9	Shade Trees (30 GAL)		116	EA	\$500.00	\$58,000.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$125,680.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		3	LS	\$15,000.00	\$45,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$45,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		0	EA	\$2,500.00	\$0.00	key entrances; single metal post mounted
2	Maps		0	EA	\$3,500.00	\$0.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4 mile interval w/markings
4	Directional Signs		2	EA	\$1,200.00	\$2,400.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$2,400.00</b>	
<b>Preliminary Total</b>						<b>\$173,080.00</b>	
<b>20% Contingency</b>						<b>\$34,616.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$31,154.40</b>	x preliminary total + contingency
<b>Total</b>						<b>\$238,850.40</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$47,770.08</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$286,620.48</b>	

# Cost Estimates - CONNECTORS

## Connector 13 - MAITLAND BLVD. CONNECTOR (Eastbound Maitland Blvd. Ramp to Gateway Dr.)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (0.3 miles total)</b>						
1	Demolition Allowance		0.3	Mile	\$33,000.00	\$9,900.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		3168	LF	\$1.50	\$4,752.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
		Eastbound Maitland Blvd. Ramp to Gateway Dr.					
	<i>Segment 1 (West)</i>		0.3	Mile	\$274,560.00	\$82,368.00	FDOT Long Range \$6.50 sf
7	Boardwalk			SF	\$75.00	\$0.00	10' wide
8	Rest Area		1	LS	\$3,000.00	\$3,000.00	Bench & Pad
9	Shade Trees (30 GAL)		32	EA	\$500.00	\$16,000.00	1/100' If both sides, includes water bag and refill for establishment
	<b>Subtotal</b>					<b>\$116,020.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		5	LS	\$15,000.00	\$75,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
	<b>Subtotal</b>					<b>\$75,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
	<b>Subtotal</b>					<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		0	EA	\$2,500.00	\$0.00	key entrances; single metal post mounted
2	Maps		0	EA	\$3,500.00	\$0.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/10 mile interval w/markings
4	Directional Signs		1	EA	\$1,200.00	\$1,200.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
	<b>Subtotal</b>					<b>\$1,200.00</b>	
	<b>Preliminary Total</b>					<b>\$192,220.00</b>	
	<b>20% Contingency</b>					<b>\$38,444.00</b>	x preliminary total
	<b>15% Contractor General Conditions</b>					<b>\$34,599.60</b>	x preliminary total + contingency
	<b>Total</b>					<b>\$265,263.60</b>	
	<b>20% Design Fees + Permitting + CA</b>					<b>\$53,052.72</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
	<b>Grand Total</b>					<b>\$318,316.32</b>	

### Connector 14 - SUNSHINE LANE CONNECTOR (Sunshine Lane to Orange Avenue)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (0.4 miles total)</b>						
1	Demolition Allowance		0.4	Mile	\$33,000.00	\$13,200.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		4224	LF	\$1.50	\$6,336.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment (West Side)</i>	Sunshine Lane to Orange Avenue	0.4	Mile	\$274,560.00	\$109,824.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		1	LS	\$3,000.00	\$3,000.00	Bench & Pad
9	Shade Trees (30 GAL)		42	EA	\$500.00	\$21,000.00	1/100' lf both sides, includes water bag and refill for establishment
	<b>Subtotal</b>					<b>\$153,360.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		3	LS	\$15,000.00	\$45,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
	<b>Subtotal</b>					<b>\$45,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
	<b>Subtotal</b>					<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		0	EA	\$2,500.00	\$0.00	key entrances; single metal post mounted
2	Maps		2	EA	\$3,500.00	\$7,000.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4 mile interval w/markings
4	Directional Signs		5	EA	\$1,200.00	\$6,000.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
	<b>Subtotal</b>					<b>\$13,000.00</b>	
	<b>Preliminary Total</b>					<b>\$211,360.00</b>	
	<b>20% Contingency</b>					<b>\$42,272.00</b>	x preliminary total
	<b>15% Contractor General Conditions</b>					<b>\$38,044.80</b>	x preliminary total + contingency
	<b>Total</b>					<b>\$291,676.80</b>	
	<b>20% Design Fees + Permitting + CA</b>					<b>\$58,335.36</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
	<b>Grand Total</b>					<b>\$350,012.16</b>	

# Cost Estimates - CONNECTORS

## Connector 15 - SPRING OAKS CONNECTOR (Laurel Street to Seminole Wekiva Trail/at Spring Oaks Blvd.)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (1.2 miles total)</b>						
1	Demolition Allowance		0.8	Mile	\$33,000.00	\$26,400.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		8448	LF	\$1.50	\$12,672.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (North - Orange and SR 436, West - Spring Oaks)</i>	Riverbend Drive to Seminole Wekiva Trail/Spring Oaks					
			0.8	Mile	\$274,560.00	\$219,648.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		1	LS	\$3,000.00	\$3,000.00	Bench & Pad
9	Shade Trees (30 GAL)		127	EA	\$500.00	\$63,500.00	1/100' If both sides, includes water bag and refill for establishment
	<b>Subtotal</b>					<b>\$325,220.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		2	LS	\$15,000.00	\$30,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
	<b>Subtotal</b>					<b>\$30,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
	<b>Subtotal</b>					<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		0	EA	\$2,500.00	\$0.00	key entrances; single metal post mounted
2	Maps		2	EA	\$3,500.00	\$7,000.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4 mile interval w/markings
4	Directional Signs		2	EA	\$1,200.00	\$2,400.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
	<b>Subtotal</b>					<b>\$9,400.00</b>	
	<b>Preliminary Total</b>					<b>\$364,620.00</b>	
	<b>20% Contingency</b>					<b>\$72,924.00</b>	x preliminary total
	<b>15% Contractor General Conditions</b>					<b>\$65,631.60</b>	x preliminary total + contingency
	<b>Total</b>					<b>\$503,175.60</b>	
	<b>20% Design Fees + Permitting + CA</b>					<b>\$100,635.12</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
	<b>Grand Total</b>					<b>\$603,810.72</b>	



### Connector 16 - MERRILL PARK CONNECTOR (Central Parkway to SR 436 and to Forest City Elementary School)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (2.6 miles total)</b>						
1	Demolition Allowance						
	Segment 1		1	Mile	\$33,000.00	\$33,000.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
	Segment 2		1.6	Mile	\$33,000.00	\$52,800.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		27456	LF	\$1.50	\$41,184.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	Segment 1 (West-Montgomery)	Central Parkway to SR 436	1	Mile	\$274,560.00	\$274,560.00	FDOT Long Range \$6.50 sf
	Segment 2 (North - Sand Lake, West - SR 434, South - Jamestown)	Montgomery to Forest City Elementary School	1.6	Mile	\$274,560.00	\$439,296.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		1	LS	\$3,000.00	\$3,000.00	Bench & Pad
9	Shade Trees (30 GAL)		275	EA	\$500.00	\$137,500.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$981,340.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
							curb cuts (2), non-mountable curbing,
1	Crossing		11	LS	\$15,000.00	\$165,000.00	striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$165,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
							20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain,
1	New Trailhead		0	LS	\$83,000.00	\$0.00	bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		3	EA	\$2,500.00	\$7,500.00	key entrances; single metal post mounted
2	Maps		3	EA	\$3,500.00	\$10,500.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4 mile interval w/markings
4	Directional Signs		5	EA	\$1,200.00	\$6,000.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$24,000.00</b>	
<b>Preliminary Total</b>						<b>\$1,170,340.00</b>	
<b>20% Contingency</b>						<b>\$234,068.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$210,661.20</b>	x preliminary total + contingency
<b>Total</b>						<b>\$1,615,069.20</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$323,013.84</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$1,938,083.04</b>	

# Cost Estimates - CONNECTORS

## Connector 17 - WEKIVA SPRINGS CONNECTOR (Sand Lake Road to Timber Ridge/Little Wekiva River)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways</b> (4 miles proposed)						
1	Demolition Allowance		1	Mile	\$33,000.00	\$33,000.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
	Segment 1		2.6	Mile	\$33,000.00	\$85,800.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		42240	LF	\$1.50	\$63,360.00	Silt fence, both sides of trail
3	14' Asphalt Path						
		Sand Lake Road to Lake Bramley Road and Westwood Drive to Wekiva Spring	1.4	Mile	\$384,384.00	\$538,137.60	FDOT Long Range \$5.20 sf
	Segment 1						
	Segment 2 (South-Sabal Palm, Powerline Easement)	Wekiva Springs Pkwy. To Timber Ridge/Little Wekiva River	1.4	Mile	\$384,384.00	\$538,137.60	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	Segment 1 (South-Forest Park Circle, Powerline Easement, South-Triangle Drive, North - Pleasant Drive, West/North-Clay Court, Power Easement)	Sand Lake Road to Power Easement and Triangle Drive to Westwood Drive	1.2	Mile	\$274,560.00	\$329,472.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		4	LS	\$3,000.00	\$12,000.00	Bench & Pad
9	Shade Trees (30 GAL)		422	EA	\$500.00	\$211,000.00	1/100' if both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$1,810,907.20</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		13	LS	\$15,000.00	\$195,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$195,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		6	EA	\$2,500.00	\$15,000.00	key entrances; single metal post mounted
2	Maps		6	EA	\$3,500.00	\$21,000.00	key entrances; single metal post mounted
3	Mile Markers		16	EA	\$200.00	\$3,200.00	1/4 mile interval w/markings
4	Directional Signs		13	EA	\$1,200.00	\$15,600.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$54,800.00</b>	
<b>Preliminary Total</b>						<b>\$2,060,707.20</b>	
<b>20% Contingency</b>						<b>\$412,141.44</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$370,927.30</b>	x preliminary total + contingency
<b>Total</b>						<b>\$2,843,775.94</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$568,755.19</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$3,412,531.12</b>	

### Connector 18 - CASSELBERRY MAITLAND CONNECTOR (Maitland Community Park/Cedar Drive to Kewanee Drive)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (1.4 miles total)</b>						
1	Demolition Allowance		1.4	Mile	\$33,000.00	\$46,200.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		14784	LF	\$1.50	\$22,176.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (North-Derbyshire, West-Kewanee)</i>	Maitland Community Park/Cedar Drive to Kewanee Drive	1.4	Mile	\$274,560.00	\$384,384.00	FDOT Long Range \$6.50 sf
7	Boardwalk		2500	SF	\$75.00	\$187,500.00	10' wide
8	Rest Area		1	LS	\$3,000.00	\$3,000.00	Bench & Pad
9	Shade Trees (30 GAL)		148	EA	\$500.00	\$74,000.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$717,260.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		0	LS	\$15,000.00	\$0.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$0.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		1	EA	\$2,500.00	\$2,500.00	key entrances; single metal post mounted
2	Maps		1	EA	\$3,500.00	\$3,500.00	key entrances; single metal post mounted
3	Mile Markers		6	EA	\$200.00	\$1,200.00	1/4 mile interval w/markings
4	Directional Signs		3	EA	\$1,200.00	\$3,600.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$10,800.00</b>	
<b>Preliminary Total</b>						<b>\$728,060.00</b>	
<b>20% Contingency</b>						<b>\$145,612.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$131,050.80</b>	x preliminary total + contingency
<b>Total</b>						<b>\$1,004,722.80</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$200,944.56</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$1,205,667.36</b>	

# Cost Estimates - CONNECTORS

## Connector 19 - CASSELBERRY CONNECTOR (SR 436 and US 1792 Intersection to Seminola Blvd.) - N/A

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (2.4 miles total)</b>						
1	Demolition Allowance		0	Mile	\$33,000.00		\$0.00 existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		0	LF	\$1.50		\$0.00 Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00		\$0.00 FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00		\$0.00 FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00		\$0.00 FDOT Long Range \$6.50 sf
6	8' Concrete Path		0	Mile	\$274,560.00		\$0.00 FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00		\$0.00 10' wide
8	Rest Area		0	LS	\$3,000.00		\$0.00 Bench & Pad
<b>Subtotal</b>						<b>\$0.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		0	LS	\$15,000.00		curb cuts (2), non-mountable curbing, \$0.00 striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00		\$0.00 on demand flasher
<b>Subtotal</b>						<b>\$0.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00		20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike \$0.00 repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00		Shelter, ADA parking, monument sign, bike \$0.00 racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		0	EA	\$2,500.00		\$0.00 key entrances; single metal post mounted
2	Maps		0	EA	\$3,500.00		\$0.00 key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00		\$0.00 1/4 mile interval w/markings
4	Directional Signs		0	EA	\$1,200.00		\$0.00 locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00		\$0.00 250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$0.00</b>	
<b>Preliminary Total</b>						<b>\$0.00</b>	
<b>20% Contingency</b>						<b>\$0.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$0.00</b>	x preliminary total + contingency
<b>Total</b>						<b>\$0.00</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$0.00</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>FUNDED</b>	

### Connector 20 - LYMAN HIGH SCHOOL CONNECTOR (Palm Springs Drive to Church Avenue)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (2.9 miles total)</b>						
1	Demolition Allowance		3	Mile	\$33,000.00	\$99,000.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		30624	LF	\$1.50	\$45,936.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (South - North Street, East - Ronald Reagan Blvd.)</i>	Palm Springs Dr. to Church Ave.	3	Mile	\$274,560.00	\$823,680.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		2	LS	\$3,000.00	\$6,000.00	Bench & Pad
9	Shade Trees (30 GAL)		306	EA	\$500.00	\$153,000.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$1,127,616.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		15	LS	\$15,000.00	\$225,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$225,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		0	EA	\$2,500.00	\$0.00	key entrances; single metal post mounted
2	Maps		0	EA	\$3,500.00	\$0.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4 mile interval w/markings
4	Directional Signs		0	EA	\$1,200.00	\$0.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$0.00</b>	
<b>Preliminary Total</b>						<b>\$1,352,616.00</b>	
<b>20% Contingency</b>						<b>\$270,523.20</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$243,470.88</b>	x preliminary total + contingency
<b>Total</b>						<b>\$1,866,610.08</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$373,322.02</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$2,239,932.10</b>	

# Cost Estimates - CONNECTORS

## Connector 21 - GENEVA SCHOOL CONNECTOR (Geneva School to Bird Road)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (0.9 miles total)</b>						
1	Demolition Allowance		0.9	Mile	\$33,000.00	\$29,700.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		9504	LF	\$1.50	\$14,256.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	Segment 1 (North Side)	Geneva School to Bird Road	0.9	Mile	\$274,560.00	\$247,104.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		1	LS	\$3,000.00	\$3,000.00	Bench & Pad
9	Shade Trees (30 GAL)		95	EA	\$500.00	\$47,500.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$341,560.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		0	LS	\$15,000.00	\$0.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$0.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		0	EA	\$2,500.00	\$0.00	key entrances; single metal post mounted
2	Maps		0	EA	\$3,500.00	\$0.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4 mile interval w/markings
4	Directional Signs		2	EA	\$1,200.00	\$2,400.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$2,400.00</b>	
<b>Preliminary Total</b>						<b>\$343,960.00</b>	
<b>20% Contingency</b>						<b>\$68,792.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$61,912.80</b>	x preliminary total + contingency
<b>Total</b>						<b>\$474,664.80</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$94,932.96</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$569,597.76</b>	

### Connector 22 - WINTER SPRINGS ES CONNECTOR (Winter Park Drive to CR 419)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (1.2 miles total)</b>						
1	Demolition Allowance		1.2	Mile	\$33,000.00	\$39,600.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		12672	LF	\$1.50	\$19,008.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (North - 434, West - Moss Road)</i>	Winter Park Drive to CR 419	1.2	Mile	\$274,560.00	\$329,472.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		1	LS	\$3,000.00	\$3,000.00	Bench & Pad
9	Shade Trees (30 GAL)		127	EA	\$500.00	\$63,500.00	1/100' if both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$454,580.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		8	LS	\$15,000.00	\$120,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization	CR 419	1	LS	\$30,000.00	\$30,000.00	on demand flasher
<b>Subtotal</b>						<b>\$150,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		0	EA	\$2,500.00	\$0.00	key entrances; single metal post mounted
2	Maps		2	EA	\$3,500.00	\$7,000.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4 mile interval w/markings
4	Directional Signs		3	EA	\$1,200.00	\$3,600.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$10,600.00</b>	
<b>Preliminary Total</b>						<b>\$615,180.00</b>	
<b>20% Contingency</b>						<b>\$123,036.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$110,732.40</b>	x preliminary total + contingency
<b>Total</b>						<b>\$848,948.40</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$169,789.68</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$1,018,738.08</b>	

# Cost Estimates - CONNECTORS

## Connector 23 - CANDYLAND PARK CONNECTOR (Longwood Elementary School to General Hutchinson Pkwy.)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (1.8 miles total)</b>						
1	Demolition Allowance		1.8	Mile	\$33,000.00	\$59,400.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		19008	LF	\$1.50	\$28,512.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	Segment 1 (South - Orange, East - Grant, North - Quail, East -	Longwood Elementary School to General Hutchinson Pkwy.	1.8	Mile	\$274,560.00	\$494,208.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		2	LS	\$3,000.00	\$6,000.00	Bench & Pad
9	Shade Trees (30 GAL)		190	EA	\$500.00	\$95,000.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$683,120.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		8	LS	\$15,000.00	\$120,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$120,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		1	EA	\$2,500.00	\$2,500.00	key entrances; single metal post mounted
2	Maps		1	EA	\$3,500.00	\$3,500.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4 mile interval w/markings
4	Directional Signs		4	EA	\$1,200.00	\$4,800.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$10,800.00</b>	
<b>Preliminary Total</b>						<b>\$813,920.00</b>	
<b>20% Contingency</b>						<b>\$162,784.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$146,505.60</b>	x preliminary total + contingency
<b>Total</b>						<b>\$1,123,209.60</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$224,641.92</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$1,347,851.52</b>	



### Connector 24 - SEMINOLE STATE CONNECTOR (Ronald Reagan Blvd. to Lake Mary Blvd.)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (1.3 miles total, 0.5 miles proposed)</b>						
1	Demolition Allowance		0.5	Mile	\$33,000.00	\$16,500.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		5280	LF	\$1.50	\$7,920.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (North and West - Country Home)</i>	Ronald Reagan Blvd. to Weldon Blvd.					
			0.5	Mile	\$274,560.00	\$137,280.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		1	LS	\$3,000.00	\$3,000.00	Bench & Pad
9	Shade Trees (30 GAL)		137	EA	\$500.00	\$68,500.00	1/100' lf both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$233,200.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		3	LS	\$15,000.00	\$45,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		1	LS	\$30,000.00	\$30,000.00	on demand flasher @ Loop Road
<b>Subtotal</b>						<b>\$75,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		2	EA	\$2,500.00	\$5,000.00	key entrances; single metal post mounted
2	Maps		2	EA	\$3,500.00	\$7,000.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4 mile interval w/markings
4	Directional Signs		5	EA	\$1,200.00	\$6,000.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$18,000.00</b>	
<b>Preliminary Total</b>						<b>\$326,200.00</b>	
<b>20% Contingency</b>						<b>\$65,240.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$58,716.00</b>	x preliminary total + contingency
<b>Total</b>						<b>\$450,156.00</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$90,031.20</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$540,187.20</b>	

# Cost Estimates - CONNECTORS

## Connector 25 - REFLECTIONS PARK CONNECTOR (Lake Emma Road to Cross Seminole Trail/Powerline)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (0.8 miles total)</b>						
1	Demolition Allowance		0.8	Mile	\$33,000.00	\$26,400.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		8448	LF	\$1.50	\$12,672.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
		Lake Emma Road to Cross Seminole Trail/Powerline					
	<i>Segment 1 (North Side)</i>		0.8	Mile	\$274,560.00	\$219,648.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		1	LS	\$3,000.00	\$3,000.00	Bench & Pad
9	Shade Trees (30 GAL)		84	EA	\$500.00	\$42,000.00	1/100' if both sides, includes water bag and refill for establishment
	<b>Subtotal</b>					<b>\$303,720.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		2	LS	\$15,000.00	\$30,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
	<b>Subtotal</b>					<b>\$30,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
	<b>Subtotal</b>					<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		0	EA	\$2,500.00	\$0.00	key entrances; single metal post mounted
2	Maps		2	EA	\$3,500.00	\$7,000.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4 mile interval w/markings
4	Directional Signs		2	EA	\$1,200.00	\$2,400.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
	<b>Subtotal</b>					<b>\$9,400.00</b>	
	<b>Preliminary Total</b>					<b>\$343,120.00</b>	
	<b>20% Contingency</b>					<b>\$68,624.00</b>	x preliminary total
	<b>15% Contractor General Conditions</b>					<b>\$61,761.60</b>	x preliminary total + contingency
	<b>Total</b>					<b>\$473,505.60</b>	
							x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
	<b>20% Design Fees + Permitting + CA</b>					<b>\$94,701.12</b>	
	<b>Grand Total</b>					<b>\$568,206.72</b>	

### Connector 26 - PINECREST ES CONNECTOR (Pincerest Elementary to Sanford Avenue)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (0.4 miles total)</b>						
1	Demolition Allowance		0.4	Mile	\$33,000.00	\$13,200.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		4224	LF	\$1.50	\$6,336.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
		Pincerest Elementary to Sanford Avenue					
	<i>Segment 1 (South Side)</i>		0.4	Mile	\$274,560.00	\$109,824.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		1	LS	\$3,000.00	\$3,000.00	Bench & Pad
9	Shade Trees (30 GAL)		42	EA	\$500.00	\$21,000.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$153,360.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
							curb cuts (2), non-mountable curbing,
1	Crossing		0	LS	\$15,000.00	\$0.00	striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$0.00</b>	
<b>C.</b>	<b>Trailheads</b>						
							20 Paved Spaces, shelter, monument sign,
1	New Trailhead		0	LS	\$83,000.00	\$0.00	bike racks, solar light, drinking fountain,
							\$0.00 bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike
							racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		0	EA	\$2,500.00	\$0.00	key entrances; single metal post mounted
2	Maps		0	EA	\$3,500.00	\$0.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4 mile interval w/markings
4	Directional Signs		1	EA	\$1,200.00	\$1,200.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$1,200.00</b>	
<b>Preliminary Total</b>						<b>\$154,560.00</b>	
<b>20% Contingency</b>						<b>\$30,912.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$27,820.80</b>	x preliminary total + contingency
<b>Total</b>						<b>\$213,292.80</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$42,658.56</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$255,951.36</b>	

# Cost Estimates - CONNECTORS

## Connector 27 - SEMINOLE HIGH CONNECTOR (Seminole High School Connector)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (0.8 miles total)</b>						
1	Demolition Allowance		0.8	Mile	\$33,000.00	\$26,400.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		8448	LF	\$1.50	\$12,672.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (East - Airport Blvd., South - Live Oak)</i>	Old Lake Mary Blvd. to Ridgewood Ave.	0.8	Mile	\$274,560.00	\$219,648.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		1	LS	\$3,000.00	\$3,000.00	Bench & Pad
9	Shade Trees (30 GAL)		84	EA	\$500.00	\$42,000.00	1/100' If both sides, includes water bag and refill for establishment
	<b>Subtotal</b>					<b>\$303,720.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		3	LS	\$15,000.00	\$45,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
	<b>Subtotal</b>					<b>\$45,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
	<b>Subtotal</b>					<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		1	EA	\$2,500.00	\$2,500.00	key entrances; single metal post mounted
2	Maps		0	EA	\$3,500.00	\$0.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4 mile interval w/markings
4	Directional Signs		1	EA	\$1,200.00	\$1,200.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
	<b>Subtotal</b>					<b>\$3,700.00</b>	
	<b>Preliminary Total</b>					<b>\$352,420.00</b>	
	<b>20% Contingency</b>					<b>\$70,484.00</b>	x preliminary total
	<b>15% Contractor General Conditions</b>					<b>\$63,435.60</b>	x preliminary total + contingency
	<b>Total</b>					<b>\$486,339.60</b>	
	<b>20% Design Fees + Permitting + CA</b>					<b>\$97,267.92</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
	<b>Grand Total</b>					<b>\$583,607.52</b>	

### Connector 28 - MIKE KIRBY PARK CONNECTOR (H.E. Thomas Jr. Pkwy. to Rinehart Rd./Cross Seminole Trail)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (2.7 miles overall)</b>						
1	Demolition Allowance		2.7	Mile	\$33,000.00	\$89,100.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		28512	LF	\$1.50	\$42,768.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (West-Wyhlen Rd., North - Whylen, East - Whylen, North - Whylen, East - Upsalla, South - 417, North - Oregon)</i>						
		H.E. Thomas Jr. Pkwy. to Rinehart Rd./Cross Seminole Trail	2.7	Mile	\$274,560.00	\$741,312.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		3	LS	\$3,000.00	\$9,000.00	Bench & Pad
9	Shade Trees (30 GAL)		285	EA	\$500.00	\$142,500.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$1,024,680.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		5	LS	\$15,000.00	\$75,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$75,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		1	EA	\$2,500.00	\$2,500.00	key entrances; single metal post mounted
2	Maps		2	EA	\$3,500.00	\$7,000.00	key entrances; single metal post mounted
3	Mile Markers		11	EA	\$200.00	\$2,200.00	1/4 mile interval w/markings
4	Directional Signs		5	EA	\$1,200.00	\$6,000.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$17,700.00</b>	
<b>Preliminary Total</b>						<b>\$1,117,380.00</b>	
<b>20% Contingency</b>						<b>\$223,476.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$201,128.40</b>	x preliminary total + contingency
<b>Total</b>						<b>\$1,541,984.40</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$308,396.88</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$1,850,381.28</b>	

# Cost Estimates - CONNECTORS

## Connector 29 - INTERNATIONAL PARKWAY CONNECTOR (Sylvan Ave./Seminole Wekiva Trail to SR 46)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (1.3 miles total)</b>						
1	Demolition Allowance		1.3	Mile	\$33,000.00	\$42,900.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		13728	LF	\$1.50	\$20,592.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (West Side)</i>	Sylvan Ave./Seminole Wekiva Trail to SR 46	1.3	Mile	\$274,560.00	\$356,928.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		2	LS	\$3,000.00	\$6,000.00	Bench & Pad
9	Shade Trees (30 GAL)		137	EA	\$500.00	\$68,500.00	1/100' If both sides, includes water bag and refill for establishment
	<b>Subtotal</b>					<b>\$494,920.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		4	LS	\$15,000.00	\$60,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
	<b>Subtotal</b>					<b>\$60,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
	<b>Subtotal</b>					<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		2	EA	\$2,500.00	\$5,000.00	key entrances; single metal post mounted
2	Maps		2	EA	\$3,500.00	\$7,000.00	key entrances; single metal post mounted
3	Mile Markers		5	EA	\$200.00	\$1,000.00	1/4 mile interval w/markings
4	Directional Signs		3	EA	\$1,200.00	\$3,600.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
	<b>Subtotal</b>					<b>\$16,600.00</b>	
	<b>Preliminary Total</b>					<b>\$571,520.00</b>	
	<b>20% Contingency</b>					<b>\$114,304.00</b>	x preliminary total
	<b>15% Contractor General Conditions</b>					<b>\$102,873.60</b>	x preliminary total + contingency
	<b>Total</b>					<b>\$788,697.60</b>	
	<b>20% Design Fees + Permitting + CA</b>					<b>\$157,739.52</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
	<b>Grand Total</b>					<b>\$946,437.12</b>	

### Connector 30 - WILSON ES CONNECTOR (Terra Bona Ct./Seminole Wekiva Trail to SR 46)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (1.2 miles total)</b>						
1	Demolition Allowance		1.2	Mile	\$33,000.00	\$39,600.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		12672	LF	\$1.50	\$19,008.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
		Terra Bona Ct./Seminole Wekiva Trail to SR 46					
	<i>Segment 1 (West Side)</i>		1.2	Mile	\$274,560.00	\$329,472.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		1	LS	\$3,000.00	\$3,000.00	Bench & Pad
9	Shade Trees (30 GAL)		127	EA	\$500.00	\$63,500.00	1/100' If both sides, includes water bag and refill for establishment
	<b>Subtotal</b>					<b>\$454,580.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		5	LS	\$15,000.00	\$75,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
	<b>Subtotal</b>					<b>\$75,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
	<b>Subtotal</b>					<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		0	EA	\$2,500.00	\$0.00	key entrances; single metal post mounted
2	Maps		2	EA	\$3,500.00	\$7,000.00	key entrances; single metal post mounted
3	Mile Markers		5	EA	\$200.00	\$1,000.00	1/4 mile interval w/markings
4	Directional Signs		3	EA	\$1,200.00	\$3,600.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
	<b>Subtotal</b>					<b>\$11,600.00</b>	
	<b>Preliminary Total</b>					<b>\$541,180.00</b>	
	<b>20% Contingency</b>					<b>\$108,236.00</b>	x preliminary total
	<b>15% Contractor General Conditions</b>					<b>\$97,412.40</b>	x preliminary total + contingency
	<b>Total</b>					<b>\$746,828.40</b>	
	<b>20% Design Fees + Permitting + CA</b>					<b>\$149,365.68</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
	<b>Grand Total</b>					<b>\$896,194.08</b>	

# Cost Estimates - CONNECTORS

## Connector 31 - HEATHROW ES CONNECTOR (Heathrow Elementary School to Markham Rd.)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (0.6 miles total)</b>						
1	Demolition Allowance		0.6	Mile	\$33,000.00	\$19,800.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		6336	LF	\$1.50	\$9,504.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
		Heathrow Elementary School to Markham Rd.					
	<i>Segment 1 (East Side)</i>		0.6	Mile	\$274,560.00	\$164,736.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		1	LS	\$3,000.00	\$3,000.00	Bench & Pad
9	Shade Trees (30 GAL)		63	EA	\$500.00	\$31,500.00	1/100' If both sides, includes water bag and refill for establishment
	<b>Subtotal</b>					<b>\$228,540.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		0	LS	\$15,000.00	\$0.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
	<b>Subtotal</b>					<b>\$0.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
	<b>Subtotal</b>					<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		0	EA	\$2,500.00	\$0.00	key entrances; single metal post mounted
2	Maps		0	EA	\$3,500.00	\$0.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4 mile interval w/markings
4	Directional Signs		1	EA	\$1,200.00	\$1,200.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
	<b>Subtotal</b>					<b>\$1,200.00</b>	
	<b>Preliminary Total</b>					<b>\$229,740.00</b>	
	<b>20% Contingency</b>					<b>\$45,948.00</b>	x preliminary total
	<b>15% Contractor General Conditions</b>					<b>\$41,353.20</b>	x preliminary total + contingency
	<b>Total</b>					<b>\$317,041.20</b>	
	<b>20% Design Fees + Permitting + CA</b>					<b>\$63,408.24</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
	<b>Grand Total</b>					<b>\$380,449.44</b>	



### Connector 32 - LAKE SYLVAN PARK CONNECTOR (Markham Woods Rd. to SR 46)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (1.5 miles total)</b>						
1	Demolition Allowance		1.5	Mile	\$33,000.00	\$49,500.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		15840	LF	\$1.50	\$23,760.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (East Side)</i>		1.5	Mile	\$274,560.00	\$411,840.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		2	LS	\$3,000.00	\$6,000.00	Bench & Pad
9	Shade Trees (30 GAL)		158	EA	\$500.00	\$79,000.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$570,100.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		5	LS	\$15,000.00	\$75,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$75,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		2	EA	\$2,500.00	\$5,000.00	key entrances; single metal post mounted
2	Maps		2	EA	\$3,500.00	\$7,000.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4mile interval w/markings
4	Directional Signs		0	EA	\$1,200.00	\$0.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$12,000.00</b>	
<b>Preliminary Total</b>						<b>\$657,100.00</b>	
<b>20% Contingency</b>						<b>\$131,420.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$118,278.00</b>	x preliminary total + contingency
<b>Total</b>						<b>\$906,798.00</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$181,359.60</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$1,088,157.60</b>	

# Cost Estimates - CONNECTORS

## Connector 33 - WEKIVA OVERLOOK CONNECTOR (Longwood Markham Road to Wekiva River)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (0.5 miles total)</b>						
1	Demolition Allowance		0	Mile	\$33,000.00		\$0.00 existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		5280	LF	\$1.50		\$7,920.00 Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00		\$0.00 FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00		\$0.00 FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00		\$0.00 FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (Abandoned Railroad Easement)</i>	Longwood Markham Road to Wekiva River	0.5	Mile	\$274,560.00	\$137,280.00	FDOT Long Range \$6.50 sf
7	Boardwalk		500	SF	\$75.00		\$37,500.00 10' wide
8	Rest Area		1	LS	\$3,000.00		\$3,000.00 Bench & Pad
9	Shade Trees (30 GAL)		53	EA	\$500.00		\$26,500.00 1/100' If both sides, includes water bag and refill for establishment
	<b>Subtotal</b>					<b>\$212,200.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		0	LS	\$15,000.00		curb cuts (2), non-mountable curbing, \$0.00 striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00		\$0.00 on demand flasher
	<b>Subtotal</b>					<b>\$0.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00		20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, \$0.00 bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00		\$0.00 Shelter, ADA parking, monument sign, bike racks, sign, solar light
	<b>Subtotal</b>					<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		0	EA	\$2,500.00		\$0.00 key entrances; single metal post mounted
2	Maps		0	EA	\$3,500.00		\$0.00 key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00		\$0.00 1/4 mile interval w/markings
4	Directional Signs		1	EA	\$1,200.00		\$1,200.00 locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00		\$0.00 250' oc; sign and markings each direction
	<b>Subtotal</b>					<b>\$1,200.00</b>	
	<b>Preliminary Total</b>					<b>\$213,400.00</b>	
	<b>20% Contingency</b>					<b>\$42,680.00</b>	x preliminary total
	<b>15% Contractor General Conditions</b>					<b>\$38,412.00</b>	x preliminary total + contingency
	<b>Total</b>					<b>\$294,492.00</b>	
	<b>20% Design Fees + Permitting + CA</b>					<b>\$58,898.40</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
	<b>Grand Total</b>					<b>\$353,390.40</b>	

### Connector 34 - BLACK BEAR WILDERNESS AREA CONNECTOR (SR 46 to Monroe Rd./Cross Seminole Trail)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (3.6 miles total)</b>						
1	Demolition Allowance		0.5	Mile	\$33,000.00	\$16,500.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		5280	LF	\$1.50	\$7,920.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (East Side)</i>						
		CR 431 to Black Bear Wilderness Area/Michigan Ave.	0.5	Mile	\$274,560.00	\$137,280.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		4	LS	\$3,000.00	\$12,000.00	Bench & Pad
9	Shade Trees (30 GAL)		380	EA	\$500.00	\$190,000.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$363,700.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
							curb cuts (2), non-mountable curbing,
1	Crossing		0	LS	\$15,000.00	\$0.00	striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$0.00</b>	
<b>C.</b>	<b>Trailheads</b>						
							20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain,
1	New Trailhead		0	LS	\$83,000.00	\$0.00	bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		1	EA	\$2,500.00	\$2,500.00	key entrances; single metal post mounted
2	Maps		1	EA	\$3,500.00	\$3,500.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4 mile interval w/markings
4	Directional Signs		1	EA	\$1,200.00	\$1,200.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$7,200.00</b>	
<b>Preliminary Total</b>						<b>\$370,900.00</b>	
<b>20% Contingency</b>						<b>\$74,180.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$66,762.00</b>	x preliminary total + contingency
<b>Total</b>						<b>\$511,842.00</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$102,368.40</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$614,210.40</b>	

# Cost Estimates - CONNECTORS

## Connector 35 - OREGON CONNECTOR (SR 46 to Orange Blvd.)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (1.2 miles total)</b>						
1	Demolition Allowance		1.2	Mile	\$33,000.00	\$39,600.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		12672	LF	\$1.50	\$19,008.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (West Side)</i>	SR 46 to Orange Blvd.	1.2	Mile	\$274,560.00	\$329,472.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		1	LS	\$3,000.00	\$3,000.00	Bench & Pad
9	Shade Trees (30 GAL)		127	EA	\$500.00	\$63,500.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$454,580.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		4	LS	\$15,000.00	\$60,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$60,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		2	EA	\$2,500.00	\$5,000.00	key entrances; single metal post mounted
2	Maps		2	EA	\$3,500.00	\$7,000.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4 mile interval w/markings
4	Directional Signs		2	EA	\$1,200.00	\$2,400.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$14,400.00</b>	
<b>Preliminary Total</b>						<b>\$528,980.00</b>	
<b>20% Contingency</b>						<b>\$105,796.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$95,216.40</b>	x preliminary total + contingency
<b>Total</b>						<b>\$729,992.40</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$145,998.48</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$875,990.88</b>	

### Connector 36 - BEAR GULLY CONNECTOR (Howellbranch Road to SR 426/Cross Seminole Trail)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (0.8 miles total)</b>						
1	Demolition Allowance		0.8	Mile	\$33,000.00	\$26,400.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		8448	LF	\$1.50	\$12,672.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (North Side)</i>		0.8	Mile	\$274,560.00	\$219,648.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		1	LS	\$3,000.00	\$3,000.00	Bench & Pad
9	Shade Trees (30 GAL)		84	EA	\$500.00	\$42,000.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$303,720.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
							curb cuts (2), non-mountable curbing,
1	Crossing		0	LS	\$15,000.00	\$0.00	striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$0.00</b>	
<b>C.</b>	<b>Trailheads</b>						
							20 Paved Spaces, shelter, monument sign,
							bike racks, solar light, drinking fountain,
1	New Trailhead		0	LS	\$83,000.00	\$0.00	bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		0	EA	\$2,500.00	\$0.00	key entrances; single metal post mounted
2	Maps		2	EA	\$3,500.00	\$7,000.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4 mile interval w/markings
4	Directional Signs		2	EA	\$1,200.00	\$2,400.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$9,400.00</b>	
<b>Preliminary Total</b>						<b>\$313,120.00</b>	
<b>20% Contingency</b>						<b>\$62,624.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$56,361.60</b>	x preliminary total + contingency
<b>Total</b>						<b>\$432,105.60</b>	
							x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>20% Design Fees + Permitting + CA</b>						<b>\$86,421.12</b>	
<b>Grand Total</b>						<b>\$518,526.72</b>	

# Cost Estimates - CONNECTORS

## Connector 37 - LAKE HOWELL HS CONNECTOR (Dodd Rd. to Lake Howell High School)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (0.3 miles total)</b>						
1	Demolition Allowance		0.3	Mile	\$33,000.00	\$9,900.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		3168	LF	\$1.50	\$4,752.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	Segment 1 (North Side)	Dodd Rd. to Lake Howell High School	0.3	Mile	\$274,560.00	\$82,368.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		1	LS	\$3,000.00	\$3,000.00	Bench & Pad
9	Shade Trees (30 GAL)		32	EA	\$500.00	\$16,000.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$116,020.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		0	LS	\$15,000.00	\$0.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$0.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		0	EA	\$2,500.00	\$0.00	key entrances; single metal post mounted
2	Maps		0	EA	\$3,500.00	\$0.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4 mile interval w/markings
4	Directional Signs		1	EA	\$1,200.00	\$1,200.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$1,200.00</b>	
<b>Preliminary Total</b>						<b>\$117,220.00</b>	
<b>20% Contingency</b>						<b>\$23,444.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$21,099.60</b>	x preliminary total + contingency
<b>Total</b>						<b>\$161,763.60</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$32,352.72</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$194,116.32</b>	

**Connector 38 - ECON WILDERNESS AREA CONNECTOR (McCulloch Rd. to Lochwood Blvd.)**

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (1.1 miles total)</b>						
1	Demolition Allowance		1.1	Mile	\$33,000.00	\$36,300.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		11616	LF	\$1.50	\$17,424.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	<i>Segment 1 (West Side)</i>						
		McCulloch Rd. to Lochwood Blvd.	1.1	Mile	\$274,560.00	\$302,016.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		0	LS	\$3,000.00	\$0.00	Bench & Pad
9	Shade Trees (30 GAL)		116	EA	\$500.00	\$58,000.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$413,740.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		3	LS	\$15,000.00	\$45,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$45,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		0	EA	\$2,500.00	\$0.00	key entrances; single metal post mounted
2	Maps		2	EA	\$3,500.00	\$7,000.00	key entrances; single metal post mounted
3	Mile Markers		5	EA	\$200.00	\$1,000.00	1/10 mile interval w/markings
4	Directional Signs		2	EA	\$1,200.00	\$2,400.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$10,400.00</b>	
<b>Preliminary Total</b>						<b>\$469,140.00</b>	
<b>20% Contingency</b>						<b>\$93,828.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$84,445.20</b>	x preliminary total + contingency
<b>Total</b>						<b>\$647,413.20</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$129,482.64</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$776,895.84</b>	

# Cost Estimates - CONNECTORS

## Connector 39 - OVIEDO ON THE PARK CONNECTOR - (Oviedo on the Park to CR 419/Cross Seminole Trail) - N/A

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (1.7 miles total)</b>						
1	Demolition Allowance		0	Mile	\$33,000.00	\$0.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		0	LF	\$1.50	\$0.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path - Existing		0	Mile	\$274,560.00	\$0.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		0	LS	\$3,000.00	\$0.00	Bench & Pad
<b>Subtotal</b>						<b>\$0.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		0	LS	\$15,000.00	\$0.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$0.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		0	EA	\$2,500.00	\$0.00	key entrances; single metal post mounted
2	Maps		0	EA	\$3,500.00	\$0.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4 mile interval w/markings
4	Directional Signs		0	EA	\$1,200.00	\$0.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$0.00</b>	
<b>Preliminary Total</b>						<b>\$0.00</b>	
<b>20% Contingency</b>						<b>\$0.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$0.00</b>	x preliminary total + contingency
<b>Total</b>						<b>\$0.00</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$0.00</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>FUNDED</b>	



**Connector 40 - ROUND LAKE PARK CONNECTOR (CR 419/Oviedo Blvd. to CR 419/Reed Ave.)**

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (1.1 miles total)</b>						
1	Demolition Allowance		1.1	Mile	\$33,000.00	\$36,300.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		11616	LF	\$1.50	\$17,424.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	Segment 1 (North - Franklin, South - CR 419/Oviedo Blvd. to CR 419/Reed Harrison, West - Reed )	Ave.	1.1	Mile	\$274,560.00	\$302,016.00	FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		1	LS	\$3,000.00	\$3,000.00	Bench & Pad
9	Shade Trees (30 GAL)		116	EA	\$500.00	\$58,000.00	1/100' if both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$416,740.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		2	LS	\$15,000.00	\$30,000.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$30,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		0	EA	\$2,500.00	\$0.00	key entrances; single metal post mounted
2	Maps		2	EA	\$3,500.00	\$7,000.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4 mile interval w/markings
4	Directional Signs		2	EA	\$1,200.00	\$2,400.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$9,400.00</b>	
<b>Preliminary Total</b>						<b>\$456,140.00</b>	
<b>20% Contingency</b>						<b>\$91,228.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$82,105.20</b>	x preliminary total + contingency
<b>Total</b>						<b>\$629,473.20</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$125,894.64</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$755,367.84</b>	

# Cost Estimates - CONNECTORS

## Connector 41 - TWIN RIVERS CONNECTOR (CR 419 to Lockwood Blvd.) - N/A

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways</b> (0.5 miles existing)						
1	Demolition Allowance		0	Mile	\$33,000.00	\$0.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		0	LF	\$1.50	\$0.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path - Existing		0	Mile	\$274,560.00	\$0.00	FDOT Long Range \$6.50 sf
7	Boardwalk			SF	\$75.00	\$0.00	10' wide
8	Rest Area		0	LS	\$3,000.00	\$0.00	Bench & Pad
<b>Subtotal</b>						<b>\$0.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		0	LS	\$15,000.00	\$0.00	curb cuts (2), non-mountable curbing, striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$0.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00	\$0.00	20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		0	EA	\$2,500.00	\$0.00	key entrances; single metal post mounted
2	Maps		0	EA	\$3,500.00	\$0.00	key entrances; single metal post mounted
3	Mile Markers		0	EA	\$200.00	\$0.00	1/4 mile interval w/markings
4	Directional Signs		0	EA	\$1,200.00	\$0.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$0.00</b>	
<b>Preliminary Total</b>						<b>\$0.00</b>	
<b>20% Contingency</b>						<b>\$0.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$0.00</b>	x preliminary total + contingency
<b>Total</b>						<b>\$0.00</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$0.00</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>FUNDED</b>	

**Connector 42 - CURRYVILLE RD/FNST CONNECTOR (Fort Christmas Rd. to Chuluota Wilderness Area)**

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (3.3 miles total)</b>						
1	Demolition Allowance		0	Mile	\$33,000.00		\$0.00 existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
2	Silt Fence		0	LF	\$1.50		\$0.00 Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00		\$0.00 FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00		\$0.00 FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00		\$0.00 FDOT Long Range \$6.50 sf
6	8' Concrete Path		0	Mile	\$274,560.00		\$0.00 FDOT Long Range \$6.50 sf
7	Boardwalk		0	SF	\$75.00		\$0.00 10' wide
8	Rest Area		0	LS	\$3,000.00		\$0.00 Bench & Pad
9	Shade Trees (30 GAL)		348	EA	\$500.00	\$174,000.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$174,000.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
1	Crossing		0	LS	\$15,000.00		curb cuts (2), non-mountable curbing, \$0.00 striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00		\$0.00 on demand flasher
<b>Subtotal</b>						<b>\$0.00</b>	
<b>C.</b>	<b>Trailheads</b>						
1	New Trailhead		0	LS	\$83,000.00		20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, \$0.00 bike repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00		Shelter, ADA parking, monument sign, bike racks, sign, solar light \$0.00
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		3	EA	\$2,500.00		\$7,500.00 key entrances; single metal post mounted
2	Maps		3	EA	\$3,500.00		\$10,500.00 key entrances; single metal post mounted
3	Mile Markers		16	EA	\$200.00		\$3,200.00 1/4 mile interval w/markings
4	Directional Signs		4	EA	\$1,200.00		\$4,800.00 locations of indirect route continuation
5	Sharrow Markings		84	EA	\$1,000.00		\$84,000.00 250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$110,000.00</b>	
<b>Preliminary Total</b>						<b>\$284,000.00</b>	
<b>20% Contingency</b>						<b>\$56,800.00</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$51,120.00</b>	x preliminary total + contingency
<b>Total</b>						<b>\$391,920.00</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$78,384.00</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFI's & submittals)
<b>Grand Total</b>						<b>\$470,304.00</b>	

# Cost Estimates - CONNECTORS

## Connector 43 - MIDWAY CONNECTOR) (Roseland Park Lake Walk to Midway Community Center)

Item No.	Item	Location	Qty	Unit	Price	Subtotal	Description
<b>A.</b>	<b>Trails &amp; Pathways (3.3 miles total)</b>						
1	Demolition Allowance						
	Segment 1		1.6	Mile	\$33,000.00	\$52,800.00	existing 5' sidewalk; \$1.00 sf and/or ex. site conditions
	Segment 2		0.8	Mile	\$33,000.00	\$26,400.00	existing 5' sidewalk; \$1.00 sf
	Segment 3		0.9	Mile	\$33,000.00	\$29,700.00	existing 5' sidewalk; \$1.00 sf
2	Silt Fence		34848	LF	\$1.50	\$52,272.00	Silt fence, both sides of trail
3	14' Asphalt Path		0	Mile	\$384,384.00	\$0.00	FDOT Long Range \$5.20 sf
4	12' Asphalt Path		0	Mile	\$329,472.00	\$0.00	FDOT Long Range \$5.20 sf
5	12' Concrete Path		0	Mile	\$411,840.00	\$0.00	FDOT Long Range \$6.50 sf
6	8' Concrete Path						
	Segment 1 (Lake Edge)	Lake Front Corridor	1.6	Mile	\$274,560.00	\$439,296.00	FDOT Long Range \$6.50 sf
	Segment 2 (Powerline Corridor and East of Jitway Ave.	Lingard Powerline Easement to Midway Community Center	0.8	Mile	\$274,560.00	\$219,648.00	FDOT Long Range \$6.50 sf
	Segment 3 (North - Hughey Street, East - Sipes Ave., North - Main Street, East - Jitway)	Brisson Ave./21st St. Intersection to Washington Street	0.9				
7	Boardwalk		0	SF	\$75.00	\$0.00	10' wide
8	Rest Area		4	LS	\$3,000.00	\$12,000.00	Bench & Pad
9	Shade Trees (30 GAL)		348	EA	\$500.00	\$174,000.00	1/100' If both sides, includes water bag and refill for establishment
<b>Subtotal</b>						<b>\$1,006,116.00</b>	
<b>B.</b>	<b>Roadway Crossings</b>						
							curb cuts (2), non-mountable curbing,
1	Crossing		6	LS	\$15,000.00	\$90,000.00	striping (24'), signage (8)
2	Specialized Signalization		0	LS	\$30,000.00	\$0.00	on demand flasher
<b>Subtotal</b>						<b>\$90,000.00</b>	
<b>C.</b>	<b>Trailheads</b>						
							20 Paved Spaces, shelter, monument sign, bike racks, solar light, drinking fountain, bike
1	New Trailhead		0	LS	\$83,000.00	\$0.00	repair station
2	Existing Trailhead Enhancements		0	LS	\$40,000.00	\$0.00	Shelter, ADA parking, monument sign, bike racks, sign, solar light
<b>Subtotal</b>						<b>\$0.00</b>	
<b>D.</b>	<b>Wayfinding</b>						
1	ID Signs		0	EA	\$2,500.00	\$0.00	key entrances; single metal post mounted
2	Maps		0	EA	\$3,500.00	\$0.00	key entrances; single metal post mounted
3	Mile Markers		14	EA	\$200.00	\$2,800.00	1/4 mile interval w/markings
4	Directional Signs		8	EA	\$1,200.00	\$9,600.00	locations of indirect route continuation
5	Sharrow Markings		0	EA	\$1,000.00	\$0.00	250' oc; sign and markings each direction
<b>Subtotal</b>						<b>\$12,400.00</b>	
<b>Preliminary Total</b>						<b>\$1,108,516.00</b>	
<b>20% Contingency</b>						<b>\$221,703.20</b>	x preliminary total
<b>15% Contractor General Conditions</b>						<b>\$199,532.88</b>	x preliminary total + contingency
<b>Total</b>						<b>\$1,529,752.08</b>	
<b>20% Design Fees + Permitting + CA</b>						<b>\$305,950.42</b>	x total (Permitting fees not included; survey, construction phase services limited to site visits, RFIs & submittals)
<b>Grand Total</b>						<b>\$1,835,702.50</b>	

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# **PUBLIC ENGAGEMENT DATA**

# Public Engagement Data

## SEMINOLE COUNTY TRAILS MASTER PLAN PUBLIC ENGAGEMENT SUMMARY

As the COVID-19 Global Pandemic continued its impact on in-person meetings, the County determined that the most effective method of providing a safe alternative for public engagement and interaction was through an online platform. Social Pinpoint, an online community engagement platform, was utilized to engage the public from September 5, 2020 to October 25, 2020. During this period the site was open to comments, which had 6,285 visits, 1,790 unique users and 176 unique stakeholders.

Multiple options were included in the Social Pinpoint site to allow for as many opportunities to provide input or comments on the trails master plan. Residents had the option to provide comments in an interactive GIS map, respond to a customized survey, and engage in a general public forum. The interactive map was the most used option by residents on the site, receiving 197 comments. Commenters were given four categories to choose from, which included Trail Priorities, Proposed Trail Alignments, Trail Issues and Trail Amenities.

Comments generated in the interactive map were site specific, given the geospatial aspect of the platform. Essentially, respondents were asked to drop the category specific pin on a location where they felt enhancements were needed. Several themes emerged during the course of the engagement period. Themes or key takeaways observed include the following:

- Many suggestions regarding potential connections to destinations
- Maintenance issues along the trails (trail surface, flooding, boardwalks, trailhead amenities, etc)
- Access/connections to SunRail Stations
- Complete Streets Improvements
- Needed amenities along trails (benches, water fountains, pumps, and restrooms)
- Safety Concerns (Intersections, connections, rail & bridge crossings, signage, markers and lighting)



Following the interactive map usage, the survey received the second highest number of participants, with 133 survey responses. There were 17 total questions asked, three of which had opportunities to provide follow-up answers if the participant selected “other.” Charts for each question have been provided in the appendix of the document. However, a short summary of the survey is provided in the bullets below.

- 66% of the respondents were between 31 and 60 years old.
- 26% were from the unincorporated area.
- 7 respondents reside outside of the County.
- Oviedo had the highest number of respondents for a city, 21.
- Most bike to the trails, 46%.
- Most use the trails during the week.
- 28% use the trail daily.
- The majority of respondents use the trail system for Exercise and Recreation (92% & 78%, respectively).
- 67% access the trail system via trailheads.
- Key destinations are Parks and Wilderness Areas.
- Seminole Wekiva and Cross Seminoles Trails are the most frequented.
- 51% of the respondents travel more than 7 miles in a single use.
- 71% perceive the trail system to be very clean.
- Parks, restaurants, and retail stores are destinations users would frequent along the trails.
- Overall, the perception is that trails are safe, 90%.

The last engagement tool, which received 23 total comments was the discussion forum. This portion of the site functioned much like a sounding board or open forum to discuss anything related to the trails system. A general statement and question headline the forum. The headline included, “Identifying ways to make your trail experience more enjoyable – What trails and/or amenities would you like to see developed?” Of the 23 comments, 15 comments were the initial comment and 8 were responses or discussion of the initial comment. Voting was enabled for each comment, however, only two likes were used on stop signs for cars and exercise equipment along trails. The following summary bullets were the general discussion points contained in this forum.

- SunRail connections and connections to other counties (Volusia, Lake, Orange)
- Separation of cyclist and pedestrians
- Safety concerns (lighting, shelter from inclement weather, stop signs for cars, and crossing at SWT & 46A)
- Trail amenities (benches, interpretive signage, shade from trees, and trash receptacles)
- Trail surface (asphalt problems on CST, gravels for cyclist, and Kewannee Trail shoulders)
- Trail etiquette (“on your left,” pick up dog waste, and cyclist passing too close to pedestrians)
- Annual park pass option

# Public Engagement Data

## ONLINE COMMENTS

### Seminole Wekiva Trail

- Add a trailhead at Maitland Boulevard & Bear Lake Road on NW corner of Roadway and Trail ROW at intersection
- Concern of safety crossing SR 436
- Improve/maintain trail equipment & furnishings (air pump at San Sebastian & Long Pond trailheads)
- Consider a bridge or tunnel at Montgomery Road
- Consider a bridge or tunnel at EE Williamson
- Fence at Dixon Road blocks views
- Add restrooms to Jones Trailhead
- Dangerous crossing of Dixon Road; suggest 4-way stop
- Dangerous crossing of Sunwood Drive; suggest 4-way stop
- Suggest markers in trail surface
- Seminole County would like a trailhead at Markham Woods Road and EE Williamson Road; recommend a proposed one on the north side of EE Williamson on Sunshine Tree Boulevard. There is one there right now but it needs to have parallel parking added.
- Consider speed reduction tools in curves south of Lake Mary Boulevard
- Concern of advertising on the trail (assisted living facility south of Lake Mary Boulevard)
- Consider a safe bike route from the SWT at Lake Mary Boulevard east across I-4
- Irrigation flooding trail north of Lake Mary Boulevard
- Improve bumpy driveway crossings along International Parkway
- Trim overgrown grass along International Parkway
- Pothole at Starbucks on International Parkway; consider resurfacing from 46A to top of hill between Long Pond and Lake Mary Boulevard
- Consider reducing 46A signal wait timing weekday evenings/weekend mornings when trail is used more or consider an overpass to address wait time and to improve safety
- Accommodate fishing on Pearl Lake
- Consider a flashing signal for trail crossing of Longwood Markham Road north of Via Bonita Street
- Provide a crossing of SR 46 to Seminole State Forest Trailhead
- Improve tunnel lighting

## **Cross Seminole Trail**

- Remove trail stop signs at Shale and make motorists stop at right in, right out intersection
- Consider adjusting the timing of the signal to favor trail users and to be coordinated with red signal at SR 436. Also many south bound red light runners and desire for flashing signals at eye level of motorist for greater emphasis
- Add shade trees along trail where adjacent to SR 436
- Consider an east/west route to UCF
- Crossing of Slavia Road is dangerous due to vehicles turning south and blocking crossing. Signal wait is long. All right turn on red movements create an unsafe condition.
- Reconsider design and signing of all three stop conditions for motorist and trail users at Red Bug Lake Road and SR 436 shopping center
- Directional signage at crossing of SR 436 by Oviedo Mall Boulevard is poor and too small
- Directional signage in downtown Oviedo is poor
- Consider a street light at the Lake Jesup Avenue crossing due to angled crossing, visibility is difficult in the morning
- Increase parking at Black Hammock Trailhead
- Edge of trail/shoulder has eroded between Vistawilla Drive and Tuscora Drive
- CR 419 signage is poor regarding lane and user direction. Rubber surface use is not understood
- Consider a flashing signal on CR 419 as vehicles travel around bend at high speeds with limited sightlines
- Signage is confusing at crossing of Ronald Reagan; reconfigure signage and signal for just a single crossing (Ronald Reagan)
- Prefer the powerline easement route to the existing route
- Why are bicyclist required to dismount while crossing Lake Mary Boulevard; add a sign indicating slow speeds
- Root damage, overgrown grass and low branches along Rinehart road near Lake Mary Boulevard
- Add shade trees along Rinehart Road
- Curb cuts are rough along Rinehart Road
- Add directional signage at both approaches to SR 46
- SR 46 route is bumpy and crumbling asphalt due to weeds

# Public Engagement Data

## ONLINE COMMENTS

### Flagler Trail

- Portions of the trail in the state forest flood from months at a time
- Ruts are present that fill from water due to vehicles on the trail route; vehicles and pedestrians avoiding the ruts widen the trail through their travels
- Try to keep bicycle and equestrian routes separated.

### P-1

- Looking forward to riding to the Altamonte SunRail Station
- Consider a pathway along Oxford Road to SR 436 and the Casselberry Greenway Trail to create a loop
- Funded improvements to Southcot Drive will complete the link between the Casselberry Greenway and Oxford Road/Sunset Drive – need to update the map with this.
- Funded Sunset Drive Livable Street improvement project will provide 10' trail between Buttonwood and Oxford

### P-7

- Upgrade pathway in gaps along route to Seminole Wekiva Trail

### P-8

- Consider additional east/west routes to the east side of the County as well as the mall and SunRail Station

### P-11

- Consider prioritizing SR 436 to Red Bug Lake Park
- Prefer the connection to Red Bug Lake; please prioritize
- Prefer the route crossing 17/92 at Shepard Road
- Multiple comments supporting route
- Shepard Road route east to the CST will provide a safe way for the Highlands Community to access the trail network

**P-12**

- Add crosswalk flashers along Lockwood Boulevard for greater emphasis of crossing
- Consider adding rumble strips to edge of bike lane markings for bicyclist safety

**P-19**

- Bridge crossing of railroad track is unsafe and shoulder has debris

**P-21**

- Like this as a direct route from the CST to downtown Sanford
- Consider making Ronald Reagan a complete street

**C-7**

- Consider traffic calming on Virginia
- Likes the route north to SWT at SR 434
- Consider traffic calming on Ramond Avenue

**C-9**

- Consider extending north on Tollage Tail to EE Williamson as an alternate route to the SWT

**C-16**

- Improve bicycling facilities north of SR 436

**C- 18**

- Connector is a great alternative to Wekiva Springs Road

**C-19**

- Connector to Derbyshire Road form Kewannee Trail is in MetroPlan Orlando's priority list

**C-21**

- Extend connector south to SunRail Station & SR 436

# Public Engagement Data

## ONLINE COMMENTS

### C-24

- Preferred alternative to using Ronald Reagan to reach CST & Big Tree Park

### C-31

- Complete the east/west route to SWT from International Parkway

### C-35

- Would like to walk down to the river

### C-36

- Route will make the hiking trails in BBWA a destination
- Add restroom facilities

### C-42

- Add a directional/ID maker at west entrance on CR 419

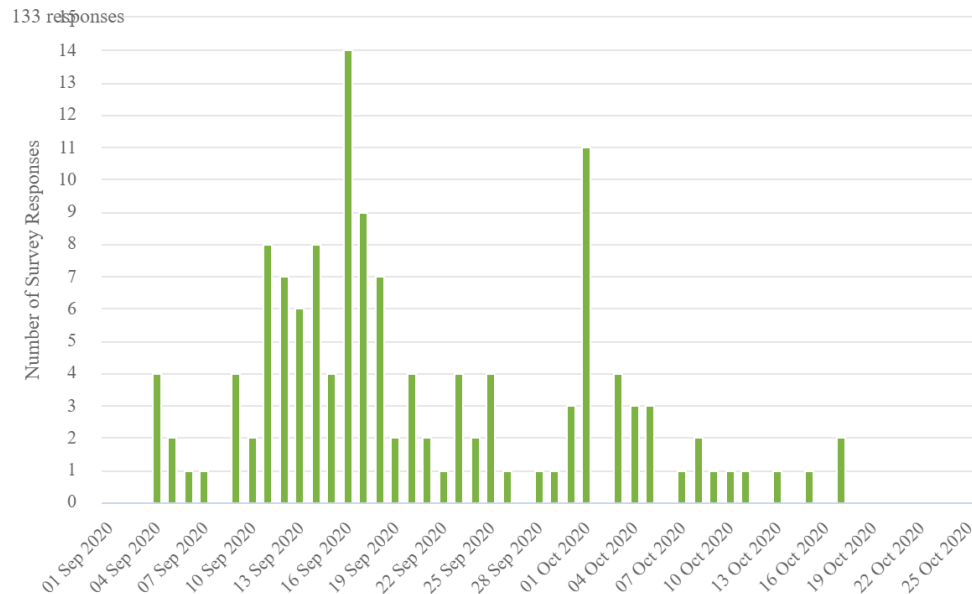
### Miscellaneous Comments

- Consider a partnership with Orange County to develop a safe bicycle route into downtown Orlando
- Consider a connection to the SunRail Station from Lemon Lane to Anchor Street and Merritt Street
- Consider bike lanes from C-21 on Dog Track Road and east on Seminola Boulevard to the Cross Seminole Trail
- Add pathway to Country Club Road South of SR 46A
- Not sure why a lot of the connectors are dead ended and not connected at both ends to the system
- Many of the state roads are not enjoyable to walk or bike along adjacent 45 mph traffic; look to make safe and comfortable

- Create a pathway or connector from Winter Springs to the Longwood SunRail Station
- A boardwalk over existing Tallwood ditch could provide connectivity between Sunset Drive shared use path and Secret Lake Park
- Consider complete street improvements on Lake Howell Road to connect the Kewannee Trail south to Cady Way Trail and Baldwin Park
- Complete street improvements to Howell Branch could provide a pathway/connector from the Maitland SunRail Station to the Cross Seminole Trail. MetroPlan Orlando has completed a case study for a portion of this route
- Consider making Red Bug Lake Road a complete street for safety of commuters and kids.
- Consider a pathway/connector on Winter Park Drive to link the Casselberry Greenway Trail and the Kewannee Bike Trail to SR 434 and on to the CST
  - ◊ Work with Casselberry as they study Winter Park Drive from Red Bug to SR 434
  - ◊ N. Winter Park Drive Trail is already in MetroPlan Orlando's priority list and would provide a trail connection along conservation area parallel to N Winter Park Drive for the portion where there is insufficient ROW on N Winter Park Drive for a pathway/connector – need to look into this and add it to the map
- Consider a boardwalk route along Gee Creek between Sundown Trail and Winter Park Drive
- Consider a boardwalk route along the north side of Lake Kathryn Circle Conservation Area between Sundown Trail and Lake Kathryn Circle
- Create a pathway/connector on SR 434 between P-9 & C-23
- Consider fixing the boardwalks & trails within Spring Hammock as they were previously. I am told it was budgeted for 2018 with money we voted on, but the repairs & maintenance has not been performed.
- Is it possible to set up community work days on the trails?

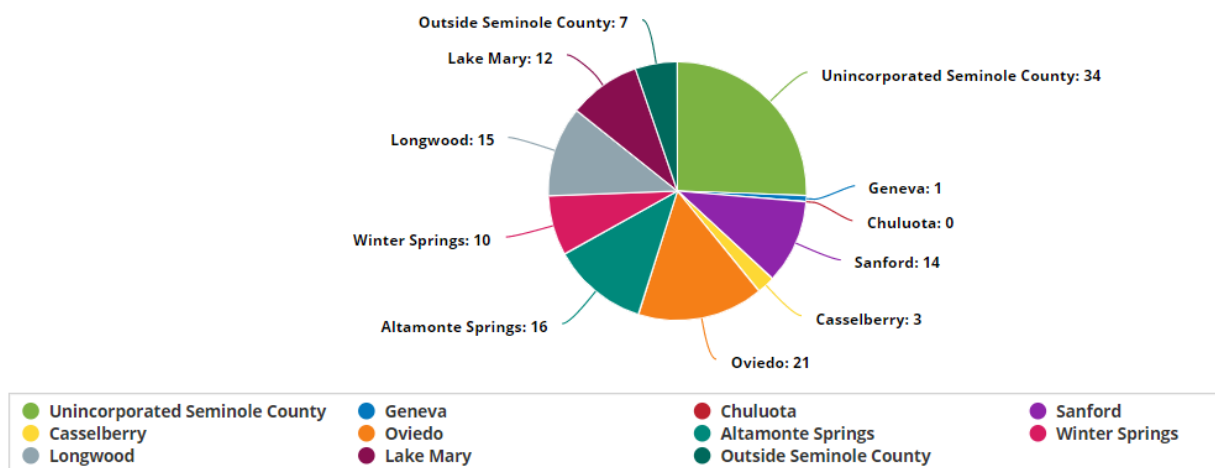
# Public Engagement Data

Number of Survey Responses by Day



Q1. 1. In which of the following areas do you reside?

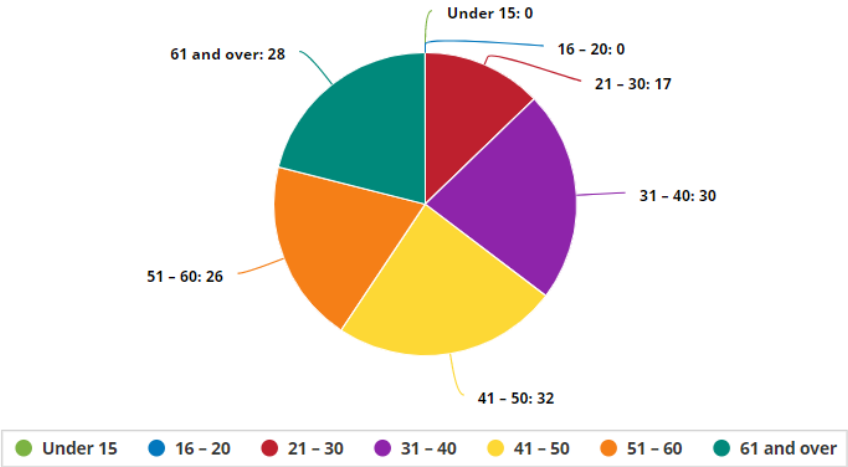
133 answers





Q2. 2. What is your age range?

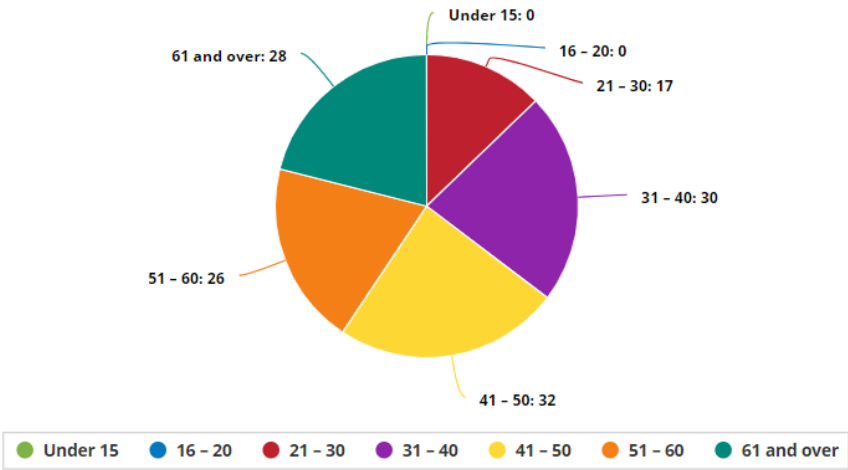
133 answers



# Public Engagement Data

Q2. 2. What is your age range?

133 answers



Q4. 3a. Other modes of travel:

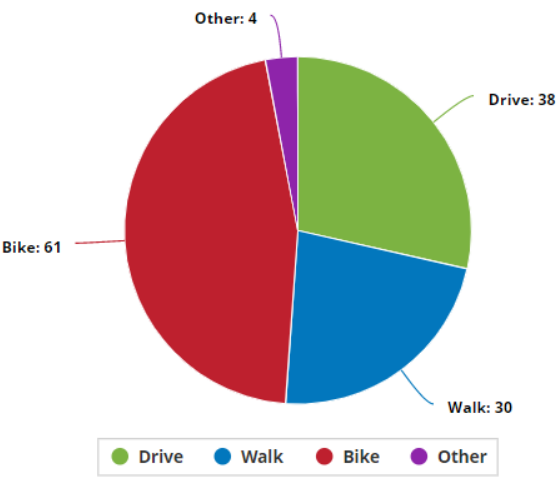
5 answers

Word Cloud Response List

RESPONSES
jogging
Rollerblades
Run
Running

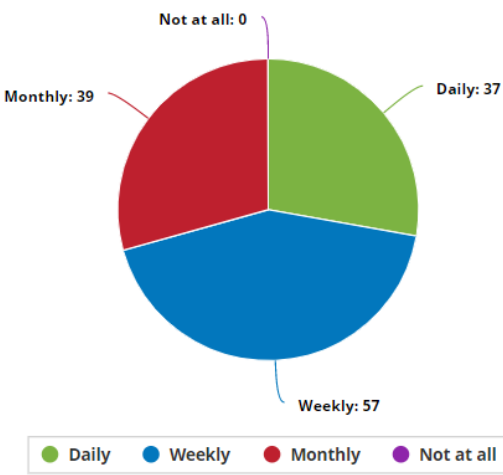
Q3. 3. How do you typically travel to Seminole County's trails?

133 answers



Q5. 4. How often do you use the trail system?

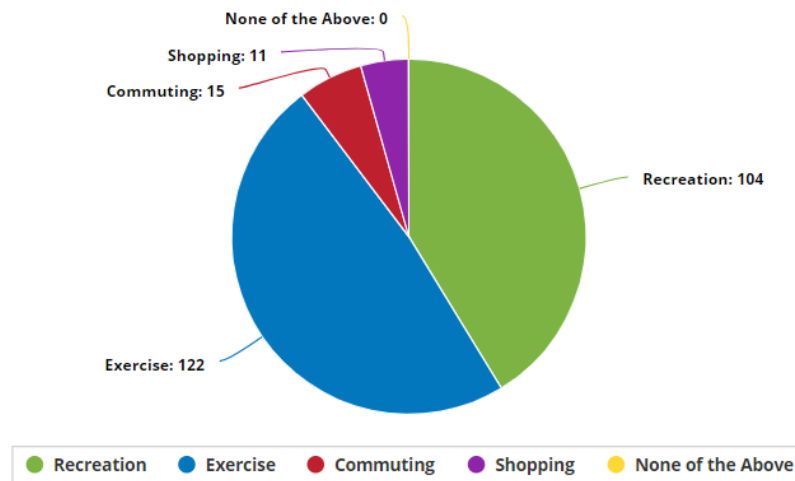
133 answers



# Public Engagement Data

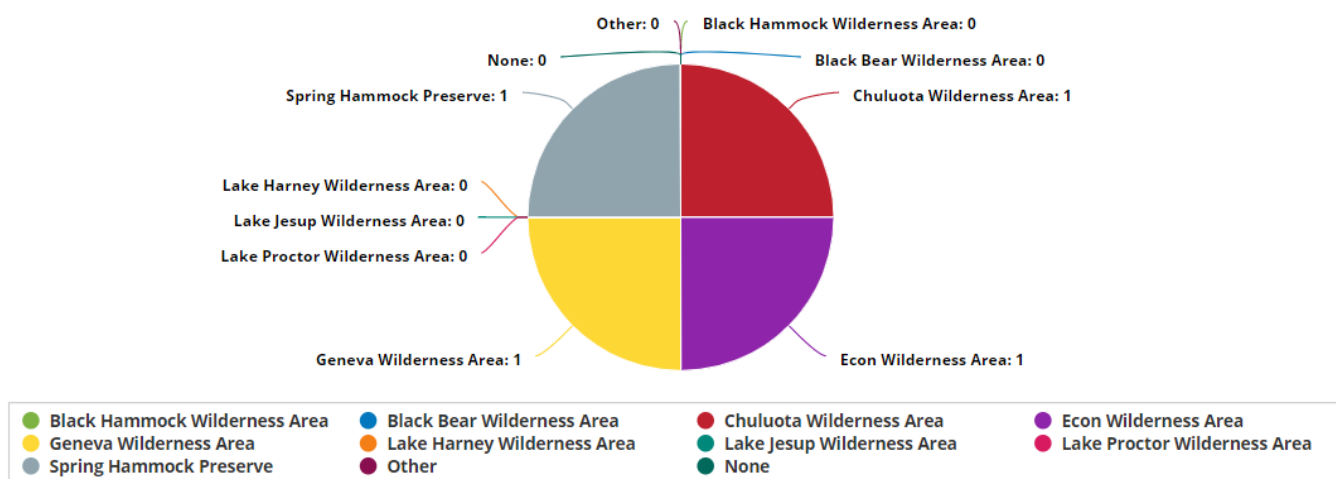
Q6. 5. Which categories describe your use of the trails: (check all that apply)

133 answers



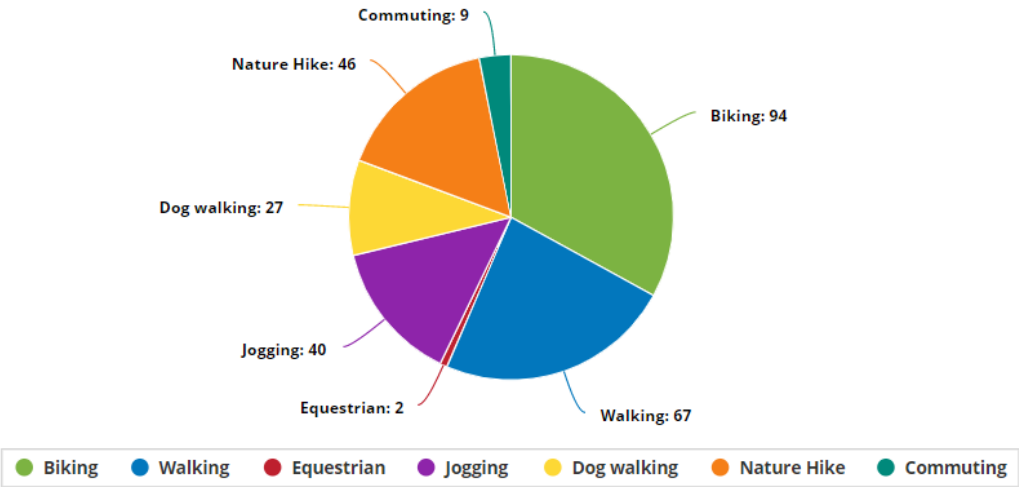
Q8. 6a. Which Wilderness Area do you frequent? (check all that apply)

2 answers



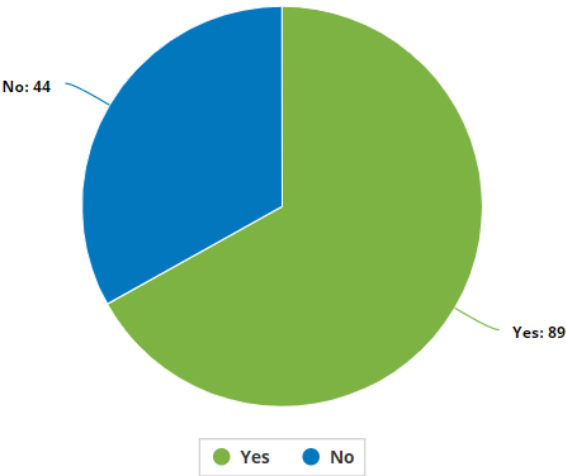
Q7. 6. I mostly use the trails for: (check all that apply)

133 answers



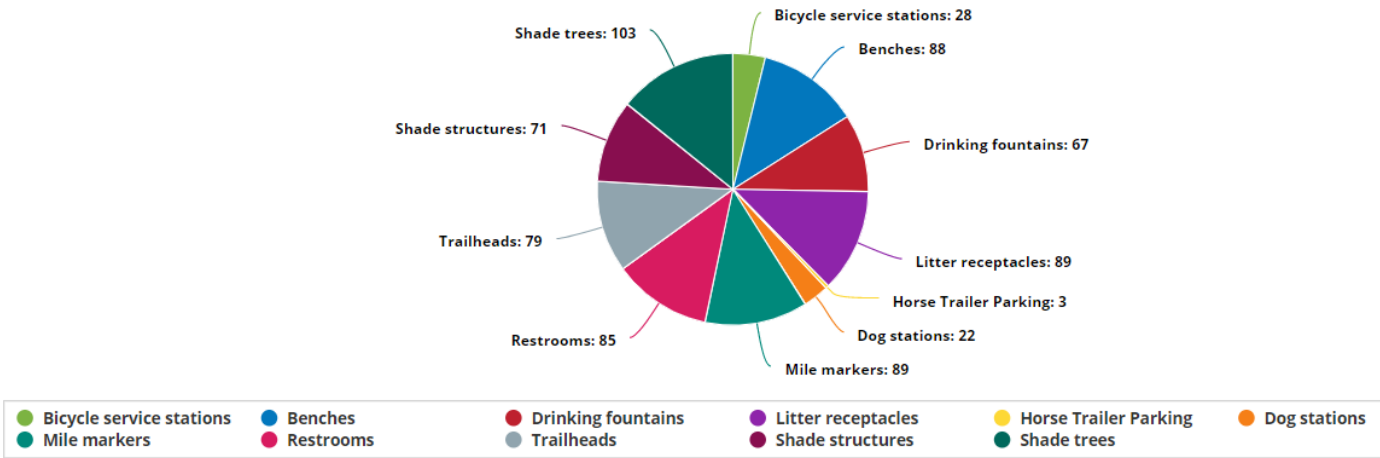
Q9. 7. Do you use the County’s trailheads to access the trails?

133 answers



# Public Engagement Data

Q10. 8. Select any trail amenities you use. (check all that apply)  
133 answers



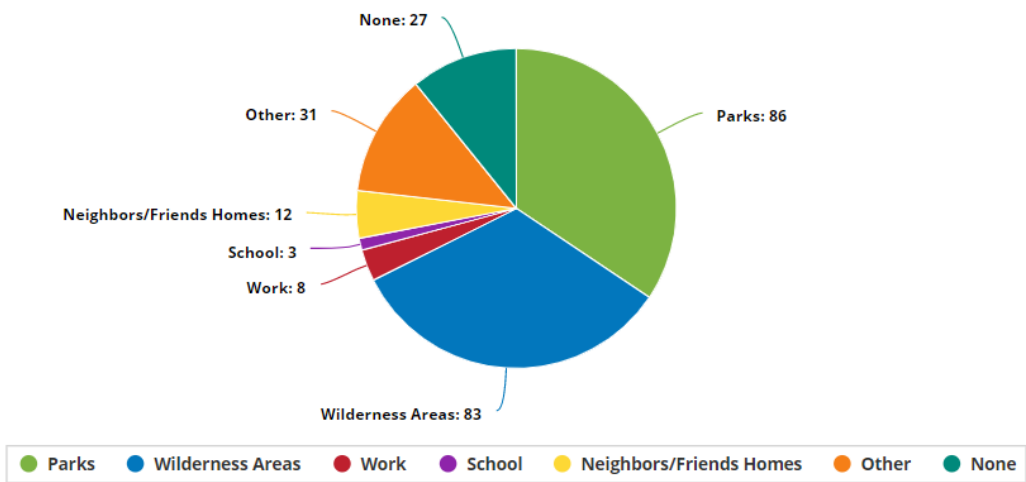
Q12. 9a. Other Destinations:  
6 answers

Word Cloud   **Response List**

RESPONSES
for exercise only-ride from one destination and then back
Grocery, drug, other stores, bank, restaurants.
home
Just working out on the trails
to be close to nature
Using the trail itself as a park to ride my bicycle

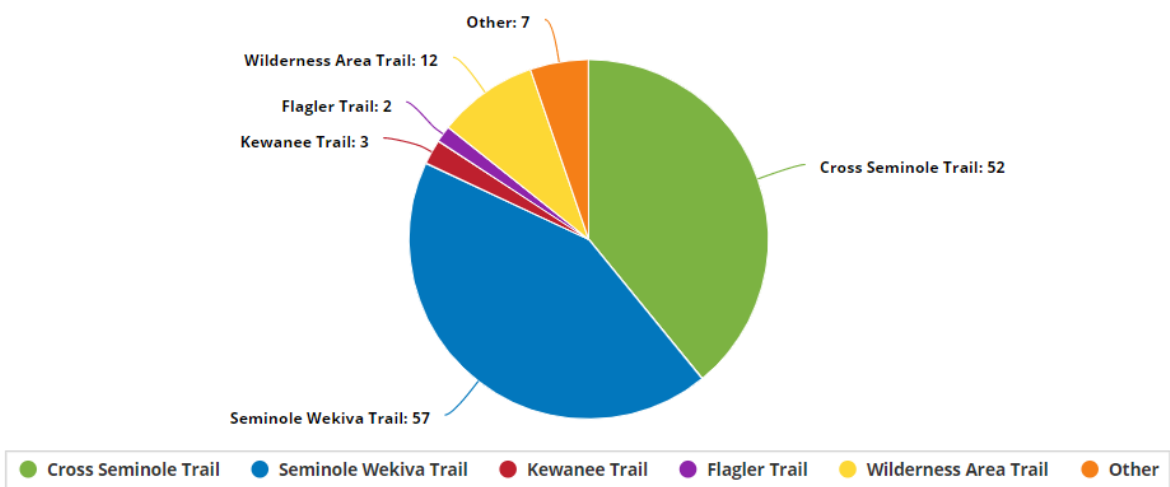
Q11. 9. What are your key destinations on the trails? (check all that apply)

133 answers



Q13. 10. What is your most frequented trail?

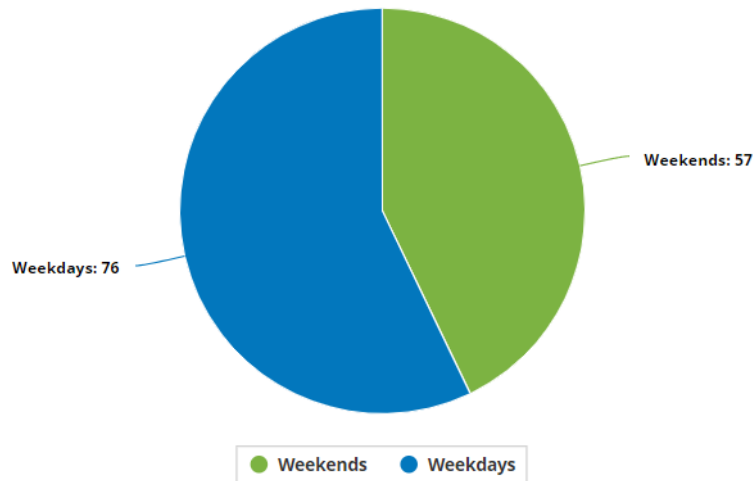
133 answers



# Public Engagement Data

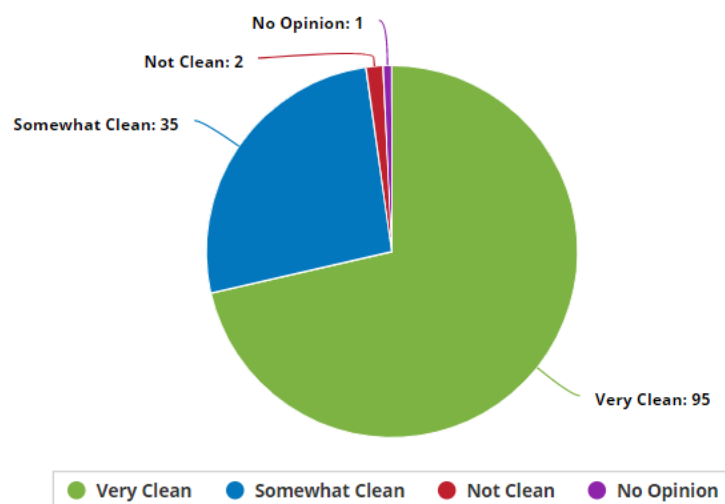
Q14. 11. When do you most often use the trails?

133 answers



Q16. 13. What is your overall perception of cleanliness on the County's trail system?

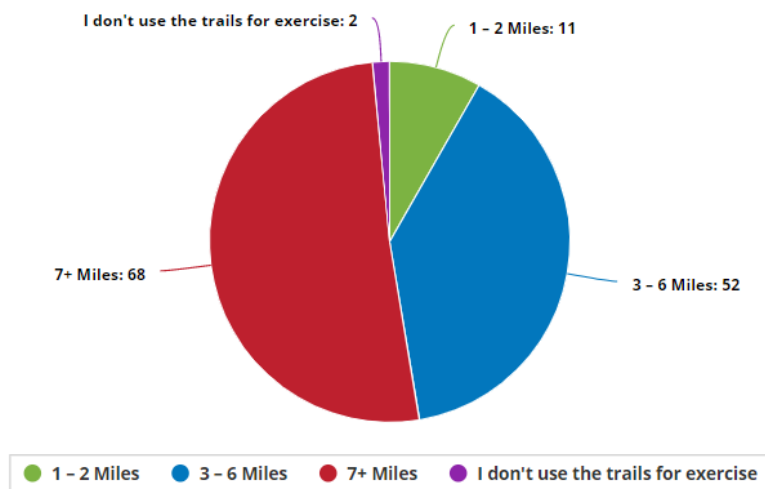
133 answers





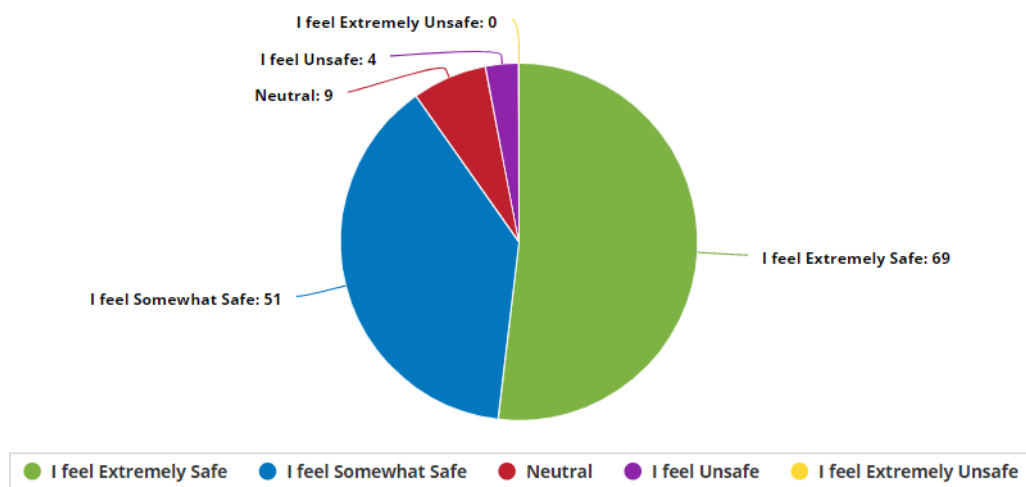
Q15. 12. When using the trail for exercise, how many miles do you typically travel in a single use?

133 answers



Q17. 14. Which describes your perspective on safety while using the existing trails?

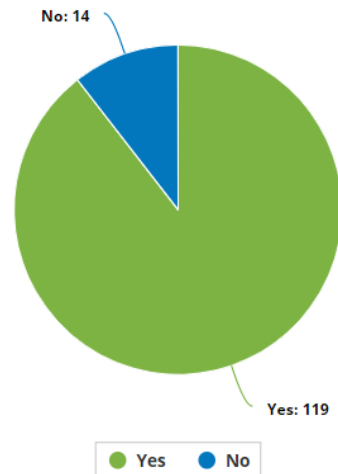
133 answers



# Public Engagement Data

Q18. 15. Would you access Orange, Lake and Volusia County trails from Seminole County's Trails when linkages are complete?

133 answers



Q19. 16. Would you use the trail system to reach any of the following: (check all that apply)

133 answers

