

August 2015



Horizon West Trails Study

PREPARED FOR
Orange County

PREPARED BY



225 E. Robinson Street
Suite 300
Orlando, Florida 32801
407.839.4006



Table of Contents

Table of Contents	i
Introduction	1
Existing Data	3
Proposed Trails Plan	8
Maintenance Responsibilities	10
Implementation Process	15
Conclusions	18

Technical Appendix

Appendix A – GIS Raw Data

Appendix B – Orange County Collaboration Meeting Minutes

Appendix C – Maintenance Responsibilities



List of Tables

Table No. Title	Page
Table 1 Parks and Recreation Maintained Trails.....	11
Table 2 Public Works Maintained Trails.....	11
Table 3 HOA Maintained Trails.....	11



List of Figures

Figure No.	Title	Page
Figure 1	Arterial Trail Network	4
Figure 2	Width Inventory	6
Figure 3	Surface Material	7
Figure 4	Horizon West Trails Network.....	9
Figure 5	Existing Ownership and Maintenance	12
Figure 6	Structural Maintenance Responsibilities	13



1

Introduction

Orange County Parks and Recreation Division completed an update to the countywide Trails Master Plan in August 2012. This plan evaluated twelve major multi-use corridors within Orange County that could potentially serve as the “backbone” of the County’s trail system. As the Parks and Recreation Division has begun to focus efforts on creating these multi-use trails throughout the County, they have also begun to direct their focus on certain planned development areas such as Horizon West. A Horizon West Trail connection was identified as one of the twelve multi-use corridors in the Trails Master Plan. This study focuses on how the County can efficiently identify and maintain the trails within Horizon West to provide a system that links all of the Villages not only within Horizon West, but also to the rest of the County’s trail network.

There are currently a number of trails within Horizon West that are owned and/or maintained by Orange County and the various Homeowner Associations (HOAs). In order to keep track of the trails in the Horizon West network, a database of all of the existing and proposed trails must first be compiled and then managed so that Orange County can keep up with the maintenance responsibilities for each trail. This plan details the process Orange County used to classify the ownership and maintenance responsibilities of the Horizon West trails and how they intend to continue to track and manage future trails.

A summary of the conclusions from the study is provided below:

- All future trails in the Horizon West trails network will be constructed of concrete and have a width of 10 feet.
- Existing and future concrete trails within an adjacent roadway right-of-way will be maintained by the Public Works Department.
- Existing and future trails located outside of the roadway right-of-way and existing asphalt trails within roadway right-of-way will be maintained by the Parks and Recreation Division.



- Existing and future trails dedicated to HOAs will continue to be maintained by the associations.
- As proposed and future trails are designed and constructed, the trails database and system map will be updated and maintained by the Parks and Recreation and Fiscal and Operational Support Divisions.



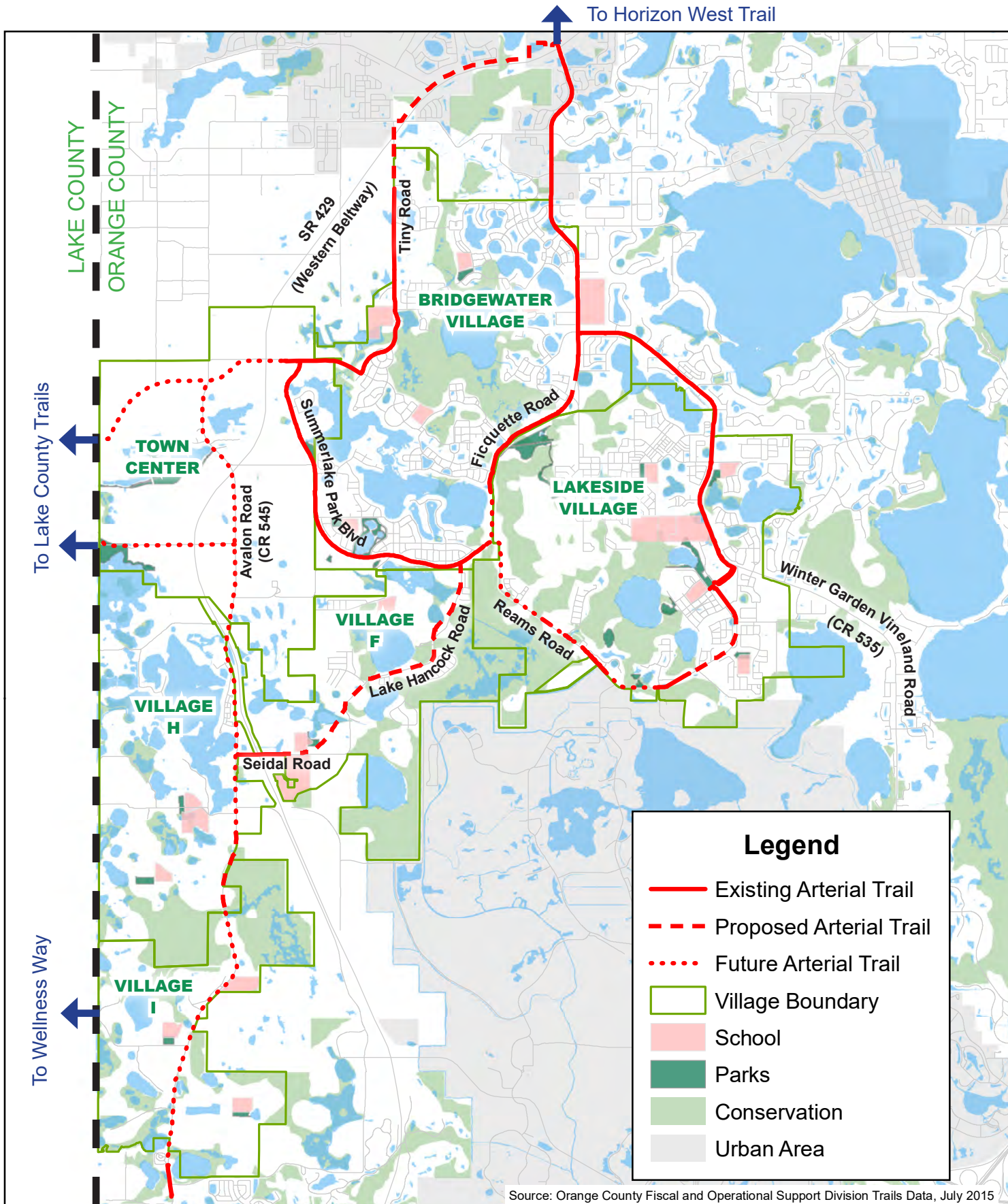
2

Existing Data

Orange County Fiscal and Operational Support Division maintains a GIS database of all of the trails within the county. Orange County staff combined this trail data with all of the Horizon West trail data that was compiled from the various Planned Development (PD) Preliminary Subdivision Plans (PSPs) and Land Use Plans (LUPs). The data was also verified via field visits. The information included in this database consists of location of the trails, status (existing versus proposed), width, surface type, ownership, responsible maintenance party, and whether the trail is within a roadway right-of-way. This data can be found in Appendix A.

The Orange County Parks and Recreation and Planning Divisions used the existing and proposed trail information to develop an ideal trails network that includes two classifications of trails: arterials and collectors. The arterial trails would serve as trails that connect the Horizon West Villages and Town Center together. The collector trails would be located within the Villages and Town Center and serve to connect residential areas to schools, parks, public facilities, and commercial areas. The proposed arterial network is shown Figure 1.

After the initial GIS data was compiled, the Orange County Parks and Recreation Division and the Orange County Public Works Department met to collaborate on the vision of the Horizon West Trails Plan and how to best implement the trail standards and new maintenance responsibilities. These meetings took place on February 11, 2014 and March 18, 2014. The meeting minutes for each are provided in Appendix B.



Source: Orange County Fiscal and Operational Support Division Trails Data, July 2015

Horizon West Trails Study

Figure 1

Arterial Trail Network

July 31, 2015

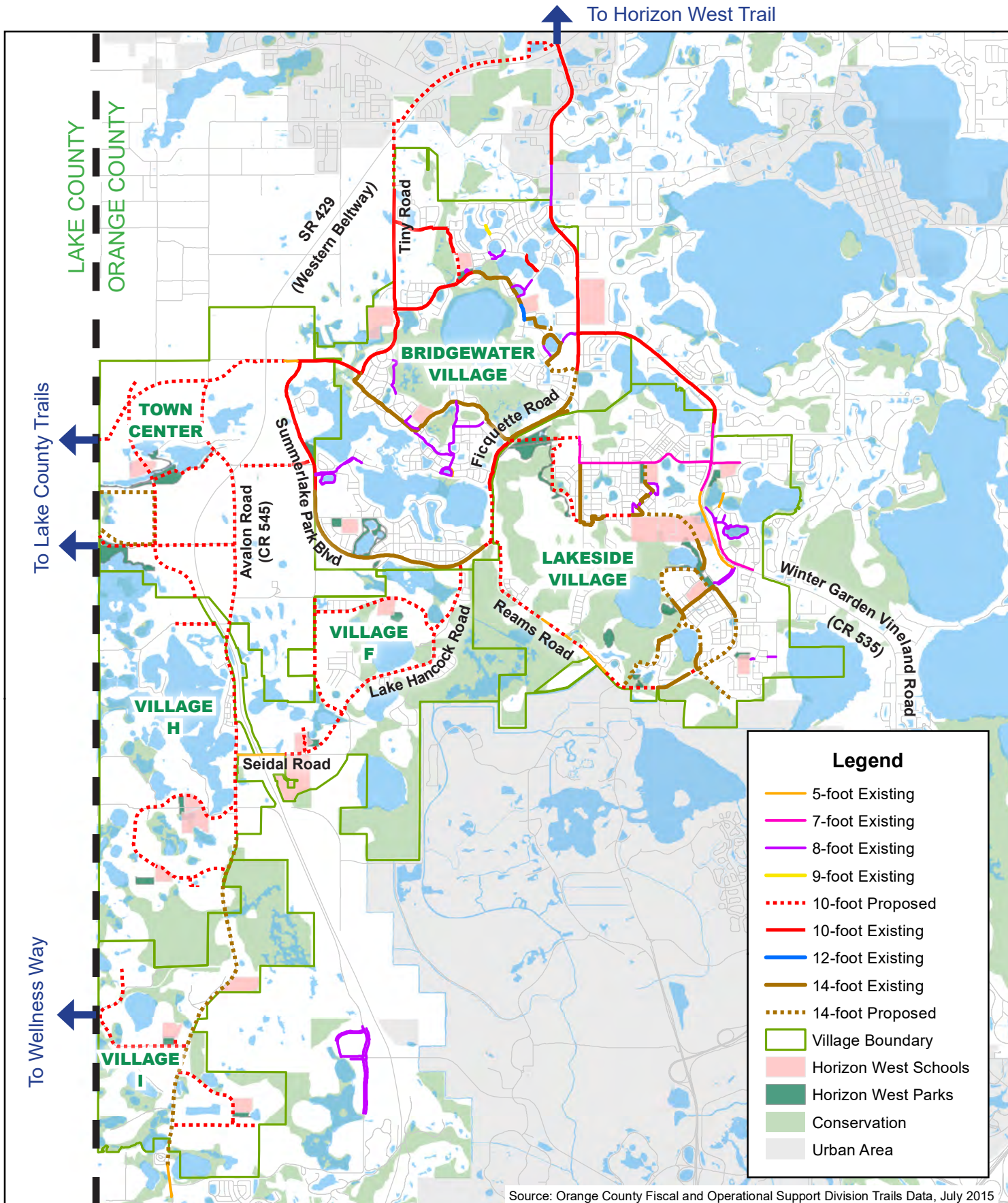


225 East Robinson Street, Suite 300
Orlando, Florida 32801 | 407.839.4006



The focus of the first meeting was to discuss the accuracy of the trails data and whether additional future connections should be included to complete the trails network. The two groups also discussed the current maintenance policy. Historically, 14-foot wide trails have been maintained by the Parks and Recreation Division. The Public Works Department has maintained concrete trails that are 10-foot wide or less and within road right-of-way. Additionally, some trails are to be maintained by HOA's or MSTU's. This logic presents gaps for trails between 10 and 14 feet wide and for trails located outside of the roadway right-of-way. One of the purposes of this study was to create a maintenance policy that identifies the responsible party for all of the trails. A new policy was agreed upon between both agencies that provides a clear designation of maintenance responsibilities for each trail. The maintenance agreement is discussed in more detail in the Maintenance Responsibilities section of this report.

At the second collaboration meeting, the two groups discussed the various widths of the existing trails within Horizon West. The existing trail widths range from five-foot sidewalks to 14-foot multi-use trails. Figure 2 shows existing and proposed trails by width. On roadway projects, Orange County typically includes a 10-foot wide multipurpose concrete path on one side of the roadway and a five-foot wide concrete sidewalk on the other side. During the initial stages of discussion, the Parks and Recreation Division preferred for the arterial trails to be 14-foot wide trails consisting of 12 feet of asphalt and a one-foot concrete ribbon on either side. It was then discovered that many of the trails that were proposed to make up the arterial network were designed to comply with the Orange County standard of 10 feet. Further internal discussions between the Parks and Recreation Division and the Public Works Department resulted in a standard that all future trails will be constructed of concrete and have a width of 10 feet. Figure 3 shows the existing and proposed trails by surface type.



Source: Orange County Fiscal and Operational Support Division Trails Data, July 2015

Horizon West Trails Study

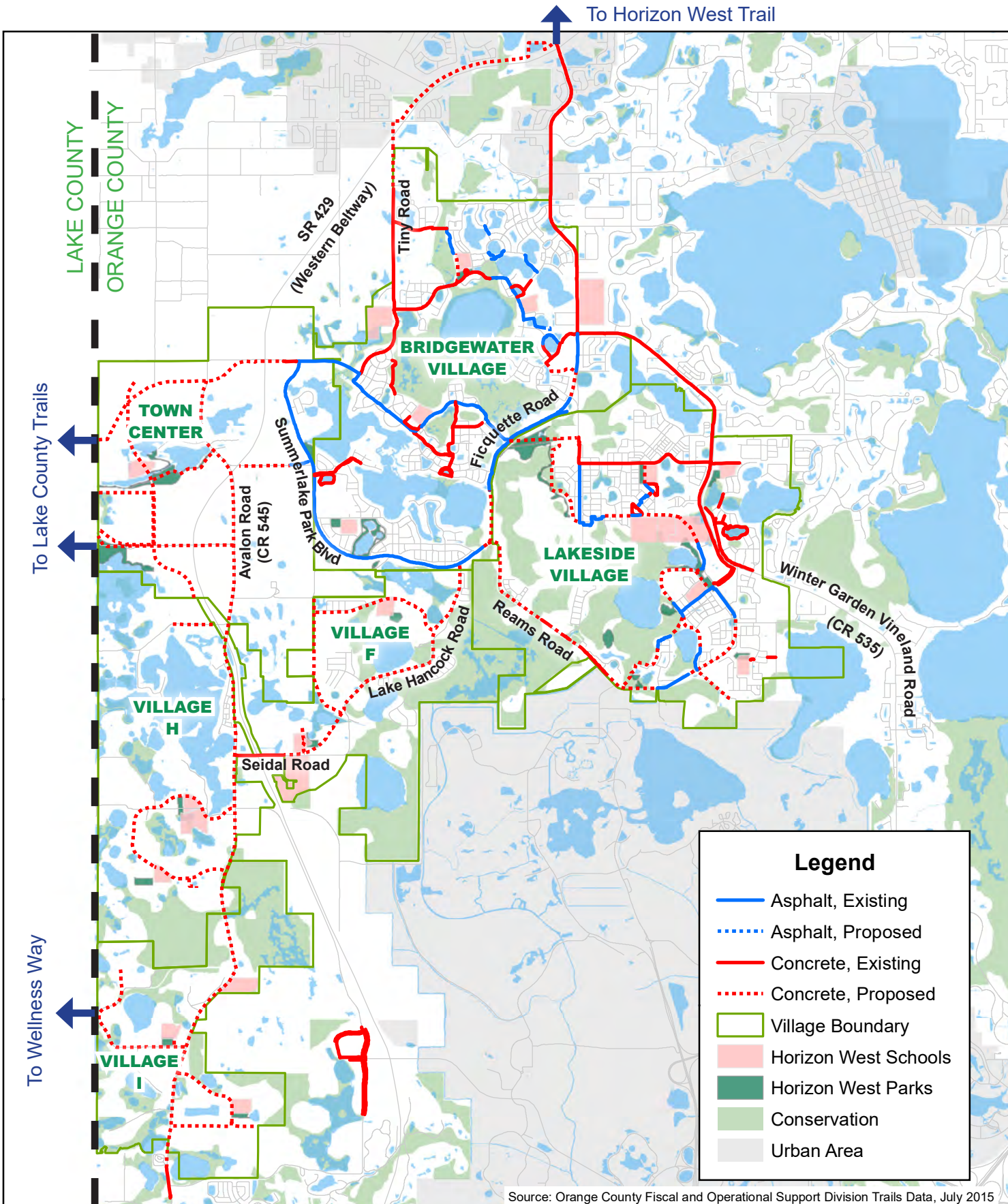
Figure 2

Width Inventory

July 31, 2015



225 East Robinson Street, Suite 300
Orlando, Florida 32801 | 407.839.4006



Source: Orange County Fiscal and Operational Support Division Trails Data, July 2015

Horizon West Trails Study

Figure 3

Surface Material

July 31, 2015



225 East Robinson Street, Suite 300
Orlando, Florida 32801 | 407.839.4006



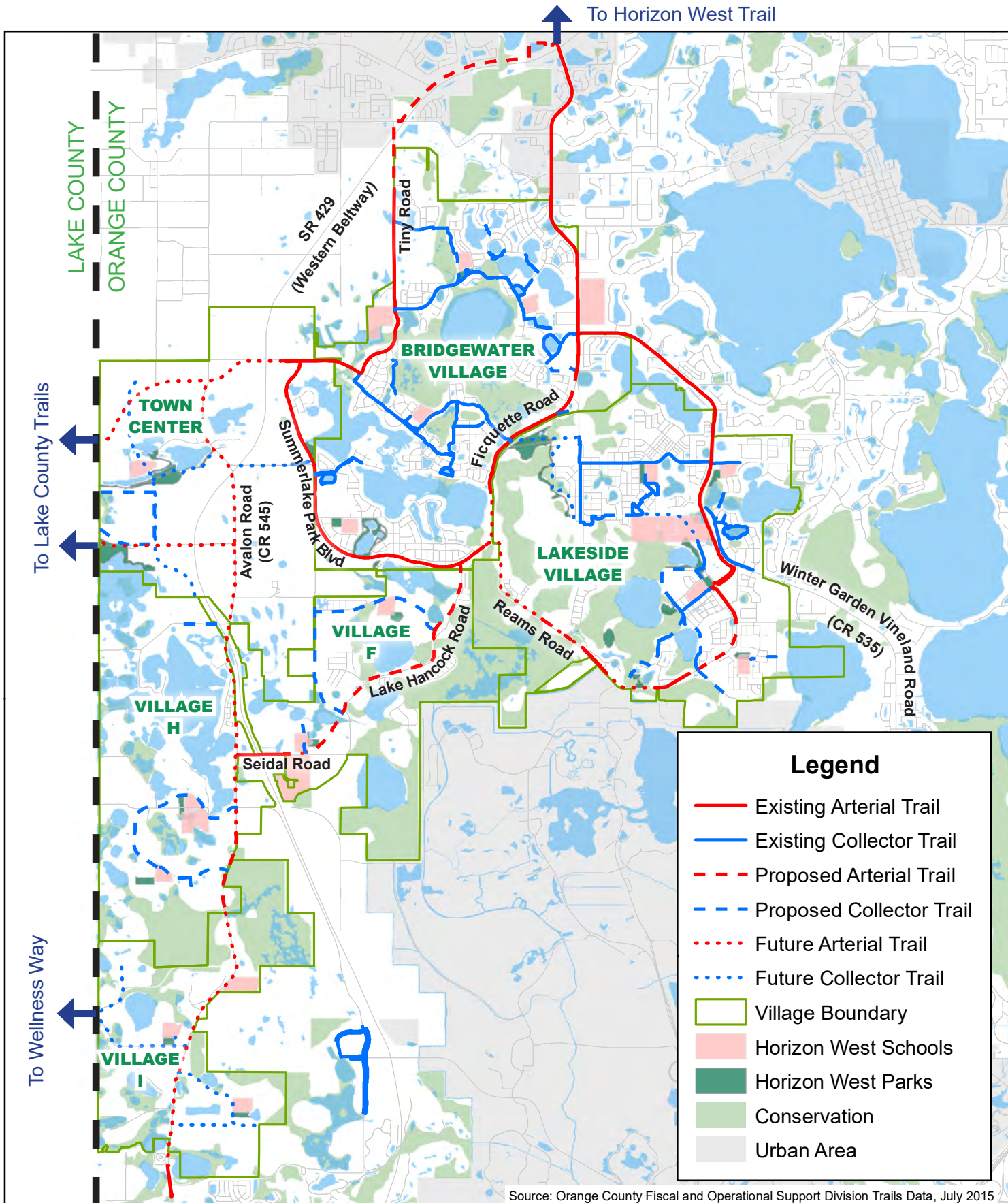
3

Proposed Trails Plan

As mentioned above, the Orange County Planning and Parks and Recreation Divisions kicked off this study by creating a plan for the arterial trail network. This network is shown in Figure 1.

The purpose of the arterial trails is to connect the Horizon West Villages and Town Center together. These trails will be located predominately along County Functionally Classified Roadways. The map in Figure 1 shows the location of these trails. Per the standard decided upon by the Parks and Recreation Division and the Public Works Department, all future arterial trails will be constructed of concrete and have a width of 10 feet.

The purpose of the collector trails is to connect the residential areas to schools, parks, public facilities, and commercial areas. The location of these trails will be determined by the Horizon West development requirements (Chapter 38 PD, Article VIII. Division 8.0 – Village Planned Development Code and Division 8.5 – Town Center Planned Development Code). The policies specify that Collector trails will connect Village amenities such as schools and parks to the residential areas as well as connect to the Arterial network, but the final location of these trails will be determined by the developer. In the existing Villages, many collector trails are either constructed or have approved design plans. For the Villages that have yet to be developed, proposed collector trails are shown along the main roadways anticipated within the Village. Figure 4 shows the entire Horizon West trail network, including the existing and proposed collector trails. All future collector trails will be constructed of concrete and have a width of 10 feet.



Source: Orange County Fiscal and Operational Support Division Trails Data, July 2015

Horizon West Trails Study

Figure 4

Horizon West Trails Network

July 31, 2015



225 East Robinson Street, Suite 300
Orlando, Florida 32801 | 407.839.4006



4

Maintenance Responsibilities

One of the major purposes of this study was to identify the responsible maintenance parties for each trail. According to the most recent data available, Figure 5 shows the current ownership and maintenance responsibilities for each trail within the system. As can be seen from this map, there are several different combinations of owners and maintenance parties for each trail. There are also trails that the owner and maintenance party are not known. Moving forward, ownership responsibilities will be established during the Technical Review Group (TRG) and Development Review Committee (DRC) review process. The Public Works Department will be responsible for existing and future concrete trails within roadway right-of-way. The Parks and Recreation division will be responsible for existing and future trails outside of roadway right-of-way and existing asphalt trails within the roadway right-of-way. The Homeowners' Associations will be responsible for maintenance of their trail facilities. Figure 6 shows the structural maintenance responsibilities for all of the trails. Tables 1, 2 and 3 summarize the number of miles of trails that each party will need to maintain. The full maintenance responsibility tables can be found in Appendix C and show each segment of trail by trail type, width, and surface type.



Table 1 Parks and Recreation Maintained Trails

Existing Trails	Length (miles)
Concrete within Roadway ROW	0.000
Concrete outside Roadway ROW	2.267
Asphalt within Roadway ROW	3.334
Asphalt outside Roadway ROW	2.780
<i>Subtotal</i>	<i>8.381</i>
Proposed Trails	
Concrete within Roadway ROW	0.000
Concrete outside Roadway ROW	11.121
Asphalt within Roadway ROW	0.000
Asphalt outside Roadway ROW	0.000
<i>Subtotal</i>	<i>11.121</i>
TOTAL	19.502

Source: Orange County Fiscal and Operational Support Division, July 2015

Table 2 Public Works Maintained Trails

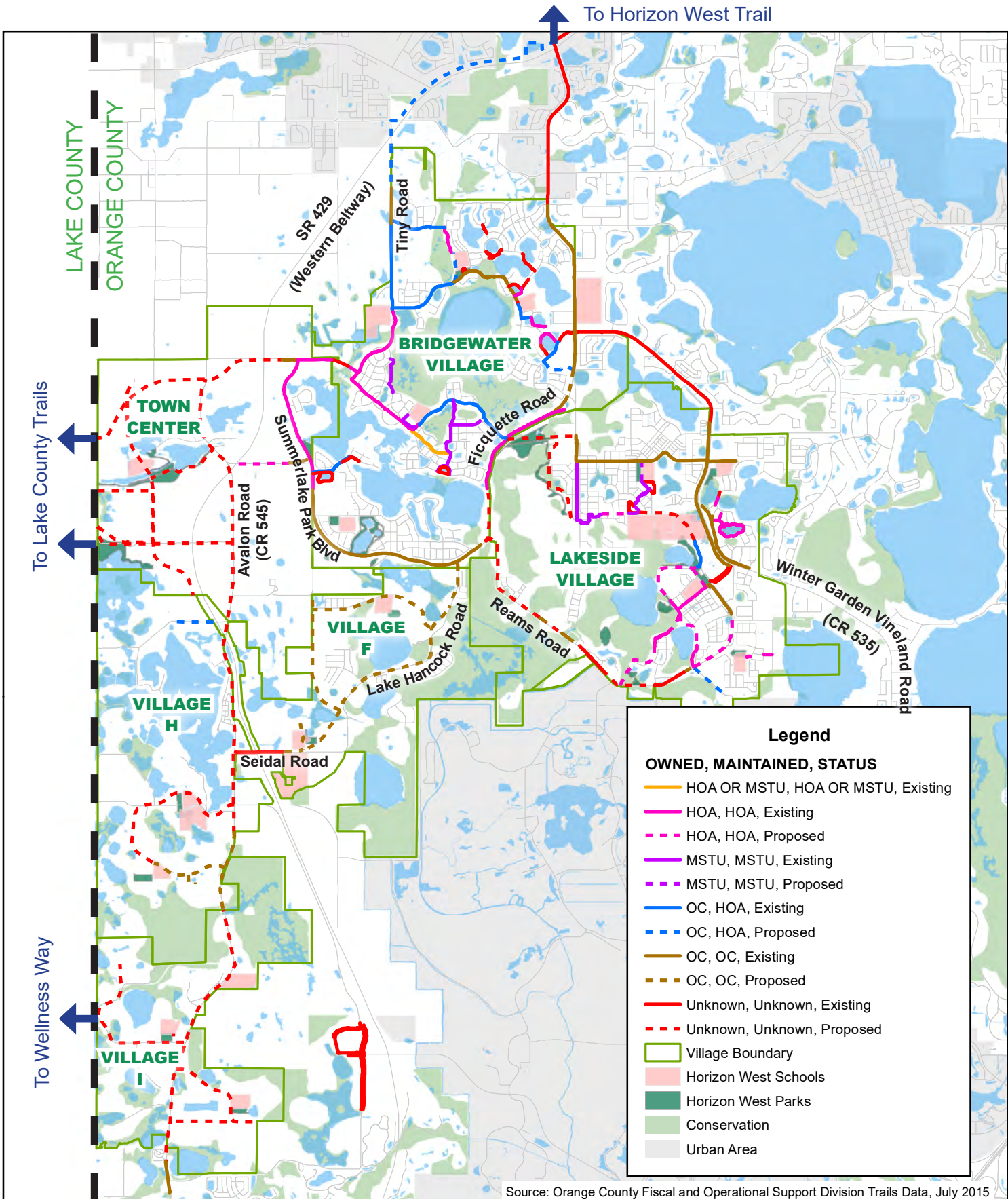
Existing Trails	Length (miles)
Concrete within Roadway ROW	16.158
Concrete outside Roadway ROW	0.000
Asphalt within Roadway ROW	0.000
Asphalt outside Roadway ROW	0.000
<i>Subtotal</i>	<i>16.158</i>
Proposed Trails	
Concrete within Roadway ROW	21.536
Concrete outside Roadway ROW	0.000
Asphalt within Roadway ROW	0.000
Asphalt outside Roadway ROW	0.000
<i>Subtotal</i>	<i>21.536</i>
TOTAL	37.694

Source: Orange County Fiscal and Operational Support Division, July 2015

Table 3 HOA Maintained Trails

Existing Trails	Length (miles)
Concrete within Roadway ROW	3.002
Concrete outside Roadway ROW	2.154
Asphalt within Roadway ROW	2.268
Asphalt outside Roadway ROW	4.767
<i>Subtotal</i>	<i>12.191</i>
Proposed Trails	
Concrete within Roadway ROW	4.199
Concrete outside Roadway ROW	3.421
Asphalt within Roadway ROW	0.000
Asphalt outside Roadway ROW	0.181
<i>Subtotal</i>	<i>7.801</i>
TOTAL	19.992

Source: Orange County Fiscal and Operational Support Division, July 2015



Source: Orange County Fiscal and Operational Support Division Trails Data, July 2015

Horizon West Trails Study

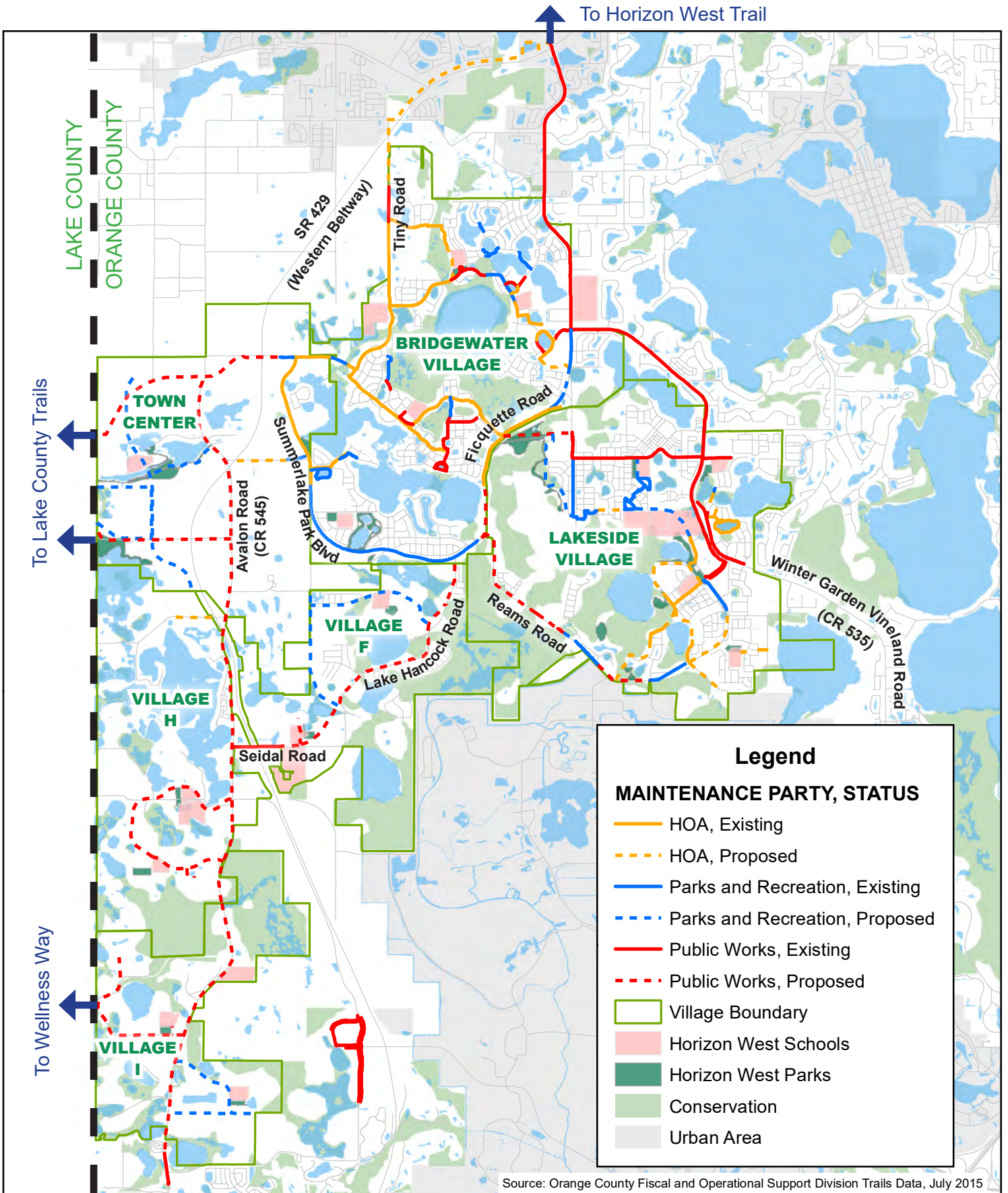
Figure 5

Existing Ownership and Maintenance

July 31, 2015



225 East Robinson Street, Suite 300
Orlando, Florida 32801 | 407.839.4006



Source: Orange County Fiscal and Operational Support Division Trails Data, July 2015

Horizon West Trails Study

Figure 6

Structural Maintenance Responsibilities

July 31, 2015



225 East Robinson Street, Suite 300
Orlando, Florida 32801 | 407.839.4006





Orange County will maintain minimal landscaping along their respective trails within Horizon West. For any landscaping treatments that go beyond the Orange County standards, the landscaping maintenance shall be the responsibility of the Homeowners' Association.

Implementation Process

As the Parks and Recreation Division was developing the concept of the Horizon West Trails network, they realized that many of the trails they had envisioned as 14-foot wide asphalt trails for the arterial network had already been approved as 10-foot wide concrete trails. This revelation prompted the Parks and Recreation Division to take a look at the current implementation process to determine how these trails were approved for widths narrower than anticipated. The current process of identifying trail location and width is outlined below:

1. Specific Area Plan (SAP) Approval – The conceptual trail system and policies regarding the trail network are provided in the SAP. If there is specific language regarding trail width, the width is set during this stage. If there is no specific language regarding trail width, the developer can obtain a waiver to deviate from the preferred width.
2. Planned Development (PD) Approval – The PD must be consistent with the SAP. The location of the trails is set during this stage of the development process. The width is predetermined by the SAP. The PD must go through the Technical Review Group (TRG)/Development Review Committee (DRC) for approval.
3. Preliminary Subdivision Plan (PSP) Approval – The PSP must be consistent with the PD. The location and width of the trails are predetermined by the previous stages of the development process. The PSP must go through the TRG/DRC for approval.
4. Plat Review – The trail locations and widths must be consistent with what was approved in the PSP stage. During the plat review, transfer of ownership to public right-of-way occurs.
5. Construction Review – During this stage of review, the materials for the trails are specified. The trail locations and widths have been determined during previous stages of the development process.

The current process allows for trail widths to deviate from the preferred width. The Parks and Recreation Division and Public Works Department's recommended



standard of a 10-foot wide trail made of concrete should now be the design standard for all future trails. This should eliminate the potential for sub-standard trails within Horizon West.

Another main purpose of this study was to identify ways to improve the current dedication process to assure more accurate knowledge of trail inventory and appropriate future dedications. The current development process does not explicitly outline the responsible maintenance parties once the trails have been dedicated to Orange County. Also, there is no current procedure that tracks and updates the trails database once a new trail has been built. The following provides an outline of the new dedication and tracking process for the Horizon West Trail system:

1. Orange County Staff will review applicable Land Use Plans (LUP)/Preliminary Subdivision Plans (PSP)/Development Plans (DP)/Adequate Public Facilities (APF) Agreements submitted through the Technical Review Group (TRG)/Development Review Committee (DRC). All future trails within Horizon West shall be designed according to the standards outlined in this study: 10-foot wide trails constructed of concrete. Ownership and maintenance responsibilities will also be determined.
2. Orange County Staff will also review applicable Roadway Agreements (RA) submitted through the Roadway Agreement Committee (RAC). All future trails within Horizon West shall be designed according to the standards outlined in this study: 10-foot wide trails constructed of concrete. Trails planned in the right-of-way through the RA process will be maintained by Public Works.
3. Once the Plans/Agreements are approved by the Board of County Commissioners (BCC), trail data will then be recorded in the Horizon West Trails database and on the system map as a proposed trail.
4. The Construction Plans for trails are reviewed and approved by the Public Works Department's Development Engineering Division.
5. Once the trails have been constructed, the Development Engineering Division will inspect the facility to ensure that it complies with Orange County standards.
6. After the trail has been inspected and found to be in compliance with Orange County standards, the responsible agency or HOA will then take over ownership and maintenance responsibilities of the trail. For the trails not owned by HOAs, the Parks and Recreation Division will assume responsibility for future trails located outside of roadway rights-of-way. The Public Works Department will assume responsibility for future trails located within roadway rights-of-way.
7. Once the trail has been approved by the County, the updated trail information will be recorded in the Horizon West Trails database and on the system map.



8. The Horizon West Trails database and system map will be maintained by the Parks and Recreation and Fiscal and Operational Support Divisions.

The ultimate goal of this plan is to create a cohesive system of trails throughout Horizon West. Gaps will result in the arterial trail system because of the absence of developable property along some arterial roadways. In order to complete these gaps the County will undertake the initiative to include trails in future improvements to these roads or retrofit them into older roads once the necessary funds are appropriated. The County has decided that the gaps shall be closed in phases. Phase One will close the gaps within the more established villages: Bridgewater, Lakeside, Village F, and eastern Town Center. Phase Two will close the gaps in the newer villages: Village H, Village I, and western Town Center.



6

Conclusions

This study was prompted by the Orange County Parks and Recreation Division to create a systematic approach for developing and keeping inventory of the trails within the Horizon West development and to identify the responsible maintenance entity for each trail. As part of this effort, the Parks and Recreation Division developed an arterial network of trails that connect the Horizon West Villages and Town Center together. Several collector trails were also identified that connect residential areas to schools, parks, public facilities, and commercial areas. Along with the Public Works Department, the Parks and Recreation Division established that all future trails in the Horizon West trails network will be constructed of concrete and have a width of 10 feet, regardless of whether the trails are Arterial or Collector trails. Existing and future concrete trails within an adjacent roadway right-of-way will be maintained by the Public Works Department. Existing and future trails located outside of the roadway right-of-way and existing asphalt trails within roadway right-of-way will be maintained by the Parks and Recreation Division. Trails dedicated to Homeowners' Associations will be the responsibility of those associations. As proposed and future trails are designed and constructed, the trails database and system map will be updated and maintained by the Parks and Recreation and Fiscal and Operational Support Divisions. This plan will help each department keep track of which trails are to be maintained by the respective group.



Technical Appendices



A. GIS Raw Data

FID	TRAILNAME	STATUS	NOTES	MILES	WIDTH	OWNED	MAINTAINED	MAINT_NEW	MASTERPLAN	AGMT_TYPE	AGMT_BOOK	AGMT_PAGE	DM_NUM	SURFACETYP	SOURCE	ROW_	ROADCLASS
0	Sidewalk	Existing	Local Trail	0.005008	8	Unknown	Unknown	Parks and Recreation	No					Concrete		N	Local
1	East Orange Trail	Proposed		5.187008	0				Yes						Parks & Recreation		
2	Little Econ Greenway Trail	Existing	Bithlo Park to Savage/Christmas Creek Preserve	7.247915	0				Yes						Parks & Recreation		
3	Pine Hills Trail	Proposed		6.558365	0				Yes						Parks & Recreation		
4	West Orange Trail	Existing		22.386157	0				Yes						Parks & Recreation		
5	Pine Hills Trail	Existing		0.690418	0				Yes						Parks & Recreation		
6	Innovation Way/UCF Trail North	Proposed		4.24917	0				Yes						Parks & Recreation		
7	Pine Hills Trail	Proposed		0.743671	0				Yes						Parks & Recreation		
8	Trail by Others	Existing		1.766063	0				Yes						Parks & Recreation		
9	Innovation Way/UCF Trail South	Proposed		1.298717	0				Yes						Parks & Recreation		
10	Trail by Others	Proposed		3.915935	0				Yes						Parks & Recreation		
11	Innovation Way/UCF Trail South	Existing		1.872122	0				Yes						Parks & Recreation		
12	Trail by Others	Existing		0.800241	0				Yes						Parks & Recreation		
13	Trail by Others	Existing		0.631118	0				Yes						Parks & Recreation		
14	Trail by Others	Proposed		0.886902	0				Yes						Parks & Recreation		
15	Trail by Others	Proposed		0.639179	0				Yes						Parks & Recreation		
16	Trail by Others	Proposed		0.531073	0				Yes						Parks & Recreation		
17	Trail by Others	Proposed		2.868688	0				Yes						Parks & Recreation		
18	Trail by Others	Existing		4.360106	0				Yes						Parks & Recreation		
19	Trail by Others	Proposed		2.46468	0				Yes						Parks & Recreation		
20	Trail by Others	Existing		2.829756	0				Yes						Parks & Recreation		
21	Trail by Others	Proposed		2.717431	0				Yes						Parks & Recreation		
22	Trail by Others	Existing		0.421108	0				Yes						Parks & Recreation		
23	West Orange Trail	Proposed		3.432364	0				Yes						Parks & Recreation		
24	West Orange Trail	Proposed		3.166777	0				Yes						Parks & Recreation		
25	Lake Apopka Connector Trail	Proposed		3.081326	0				Yes						Parks & Recreation		
26	NWWRF Equestrian Trail	Existing		6.885372	0				Yes						Parks & Recreation		
27	Clarcona-Ocoee Connector Trail	Proposed		1.317462	0				Yes						Parks & Recreation		
28	Shingle Creek Trail	Proposed		2.598825	0				Yes						Parks & Recreation		
29	Trail by Others	Existing		6.172007	0				Yes						Parks & Recreation		
30	Shingle Creek Trail	Proposed		4.906524	0				Yes						Parks & Recreation		
31	Innovation Way/UCF Trail North	Existing		1.287667	0				Yes						Parks & Recreation		
32	Innovation Way/UCF Trail South	Proposed		10.850305	0				Yes						Parks & Recreation		
33	Trail by Others	Existing		1.530707	0				Yes						Parks & Recreation		
34	Meadow Woods Trail	Proposed		9.522772	0				Yes						Parks & Recreation		
35	Shingle Creek Trail	Proposed		0.245144	0				Yes						Parks & Recreation		
36	Shingle Creek Trail	Existing		1.205777	0				Yes						Parks & Recreation		
37	Little Econ Greenway Trail	Existing		0.256676	0				Yes						Parks & Recreation		
38	Little Econ Greenway Trail	Proposed		1.066675	0				Yes						Parks & Recreation		
39	Azalea Park Trail	Proposed		4.177191	0				Yes						Parks & Recreation		
40	Azalea Park Trail	Proposed		3.764054	0				Yes						Parks & Recreation		
41	Avalon Trail	Proposed		5.440841	0				Yes						Parks & Recreation		
42	Trail by Others	Proposed		3.019743	0				Yes						Parks & Recreation		
43	Trail by Others	Proposed		5.989663	0				Yes						Parks & Recreation		
44	Lake Apopka Connector Trail	Existing		0.44083	0				Yes						Parks & Recreation		
45	Lake Apopka Connector Trail	Proposed		2.071467	0				Yes						Parks & Recreation		
46	Avalon Trail	Proposed		5.045139	0				Yes						Parks & Recreation		
47	Avalon Trail	Existing		1.26426	0				Yes						Parks & Recreation		
48	Trail by Others	Existing		1.631163	0				Yes						Parks & Recreation		
49	Trail by Others	Proposed		0.844622	0				Yes						Parks & Recreation		
50	Trail by Others	Existing		1.281687	0				Yes						Parks & Recreation		
51	Clarcona-Ocoee Connector Trail	Existing		1.357222	0				Yes						Parks & Recreation		
52	Lake Apopka Connector Trail	Existing		0.048182	0				Yes						Parks & Recreation		
53	Innovation Way/UCF Trail North	Proposed		3.606842	0				Yes						Parks & Recreation		
54	Horizon West Trail	Proposed		1.029189	0				Yes						Parks & Recreation		
55	Trail by Others	Existing		1.196188	0				Yes						Parks & Recreation		
56	Azalea Park Trail	Proposed		2.949079	0				Yes						Parks & Recreation		
57	Horizon West Trail	Existing		2.395767	0				Yes						Parks & Recreation		
58	West Orange Trail	Proposed		2.008477	0				Yes						Parks & Recreation		
59	Clarcona-Ocoee Connector Trail	Proposed		0.281914	0				Yes						Parks & Recreation		
60	Horizon West Trail	Proposed		2.974544	0				Yes						Parks & Recreation		
61	Shingle Creek Trail	Proposed		3.316702	0				Yes						Parks & Recreation		
62	Azalea Park Trail	Proposed		0.454924	0				Yes						Parks & Recreation		
63	Avalon Trail	Proposed		4.147522	0				Yes						Parks & Recreation		
64	Avalon Trail	Proposed		3.042502	0				Yes						Parks & Recreation		
65	East Orange Trail	Proposed		1.366895	0				Yes						Parks & Recreation		
66	East Orange Trail	Proposed		3.847372	0				Yes						Parks & Recreation		
67	East Orange Trail	Proposed		4.517281	0				Yes						Parks & Recreation		
68	East Orange Trail	Proposed		4.994296	0				Yes						Parks & Recreation		
69	Trail by Others	Proposed		0.527417	0				Yes						Parks & Recreation		
70	Trail by Others	Existing		0.943351	0				Yes						Parks & Recreation		
71	Trail by Others	Existing		1.290584	0				Yes						Parks & Recreation		
72	Trail by Others	Proposed		0.420964	0				Yes						Parks & Recreation		

FID	TRAILNAME	STATUS	NOTES	MILES	WIDTH	OWNED	MAINTAINED	MAINT_NEW	MASTERPLAN	AGMT_TYPE	AGMT_BOOK	AGMT_PAGE	DM_NUM	SURFACETYP	SOURCE	ROW_	ROADCLASS
73	Trail by Others	Proposed Trail		0.602036	0				Yes						Parks & Recreation		
74	Trail by Others	Existing Trail		1.486414	0				Yes						Parks & Recreation		
75	Trail by Others	Proposed Trail		1.955444	0				Yes						Parks & Recreation		
76	Trail by Others	Proposed Trail		0.074325	0				Yes						Parks & Recreation		
77	Trail by Others	Proposed Trail		1.136737	0				Yes						Parks & Recreation		
78	Trail by Others	Proposed Trail		1.276091	0				Yes						Parks & Recreation		
79	Trail by Others	Proposed Trail		0.970413	0				Yes						Parks & Recreation		
80	Trail by Others	Proposed Trail		0.179626	0				Yes						Parks & Recreation		
81	Trail by Others	Existing Trail		0.374971	0				Yes						Parks & Recreation		
82	Trail by Others	Proposed Trail		3.285306	0				Yes						Parks & Recreation		
83	Trail by Others	Proposed Trail		1.434297	0				Yes						Parks & Recreation		
84	Trail by Others	Existing Trail		1.049403	0				Yes						Parks & Recreation		
85	Trail by Others	Proposed Trail		1.307371	0				Yes						Parks & Recreation		
86	Trail by Others	Proposed Trail		0.108717	0				Yes						Parks & Recreation		
87	Trail by Others	Existing Trail		1.991193	0				Yes						Parks & Recreation		
88	Trail by Others	Existing Trail		0.732884	0				Yes						Parks & Recreation		
89	Trail by Others	Proposed Trail		0.515598	0				Yes						Parks & Recreation		
90	Trail by Others	Proposed Trail		0.174881	0				Yes						Parks & Recreation		
91	Trail by Others	Existing Trail		0.862518	0				Yes						Parks & Recreation		
92	Trail by Others	Proposed Trail		0.370272	0				Yes						Parks & Recreation		
93	Trail by Others	Proposed Trail		0.544991	0				Yes						Parks & Recreation		
94	Trail by Others	Proposed Trail		0.14732	0				Yes						Parks & Recreation		
95	Trail by Others	Proposed Trail		1.45564	0				Yes						Parks & Recreation		
96	Trail by Others	Existing Trail		0.861318	0				Yes						Parks & Recreation		
97	Trail by Others	Existing Trail		0.999181	0				Yes						Parks & Recreation		
98	Trail by Others	Proposed Trail		1.273987	0				Yes						Parks & Recreation		
99	Trail by Others	Proposed Trail		0.086845	0				Yes						Parks & Recreation		
100	Trail by Others	Proposed Trail		1.821473	0				Yes						Parks & Recreation		
101	Trail by Others	Proposed Trail		3.88933	0				Yes						Parks & Recreation		
102	Trail by Others	Existing Trail		2.174336	0				Yes						Parks & Recreation		
103	Trail by Others	Proposed Trail		3.003331	0				Yes						Parks & Recreation		
104	Trail by Others	Proposed Trail		6.66595	0				Yes						Parks & Recreation		
105	Trail by Others	Proposed Trail		1.017773	0				Yes						Parks & Recreation		
106	Trail by Others	Proposed Trail	Lake Nona/Poitrans Wetland Trail	3.15802	0				Yes						Parks & Recreation		
107	Trail by Others	Proposed Trail	Lake Lawne Trail	3.166279	0				Yes						Parks & Recreation		
108	Trail by Others	Proposed Trail	Lake Fairview Trail	7.209781	0				Yes						Parks & Recreation		
109	Trail by Others	Proposed Trail	Lake Fairview Trail	0.600548	0				Yes						Parks & Recreation		
110	Trail by Others	Existing Trail	SJRWMD/Lake Apopka Loop Trail	3.387319	0				Yes						Parks & Recreation		
111	West Orange Trail	Proposed Trail	Kelly Park Rd to Lester Rd	2.486035	0				Yes						Parks & Recreation		
112	West Orange Trail	Proposed Trail	Kelly Park Rd to Lester Rd	0.947364	0				Yes						Parks & Recreation		
113	Cady Way Trail	Existing Trail		8.074035	0				Yes						Parks & Recreation		
114	Existing Local Trail			0.214887	10	Unknown	Unknown	Parks and Recreation	No					Asphalt		N	Local
115	Sidewalk	Existing Local Trail	SIGNATURE LAKES	0.068937	8	HOA OR MSTU	HOA OR MSTU	HOA	No					Concrete	SIGNATURE LAKES PD/LANDUSE PLAN	N	Local
116	Sidewalk	Existing Local Trail	Lake Sawyer sidewalk	0.272454	8	Unknown	Unknown	Parks and Recreation	No					Concrete		N	Local
117	Existing Local Trail	Some segments may be 15 ft		0.138433	14	MSTU	MSTU	Parks and Recreation	No	Development	6244	1659		Asphalt		N	Local
118	Existing Local Trail	Some segments may be 15 ft		0.017367	14	MSTU	MSTU	Parks and Recreation	No	Development	6244	1659		Asphalt		N	Local
119	Existing Local Trail	8 ft segment split by median		0.016543	8	MSTU	MSTU	Parks and Recreation	No	Development	6244	1659		Concrete		N	Local
120	Existing Local Trail	8 ft segment split by median		0.017001	8	MSTU	MSTU	Parks and Recreation	No	Development	6244	1659		Concrete		N	Local
121	Existing Local Trail	Some segments may be 15 ft		0.151958	14	MSTU	MSTU	Parks and Recreation	No	Development	6244	1659		Asphalt	LAKE SAWYER	N	Local
122	Existing Local Trail			0.032193	14	MSTU	MSTU	Parks and Recreation	No	Development	6244	1659		Asphalt	LAKE SAWYER	N	Local
123	Existing Local Trail	8 FT segment split by median		0.017195	8	MSTU	MSTU	Parks and Recreation	No	Development	6244	1659		Asphalt	LAKE SAWYER	N	Local
124	Existing Local Trail	8ft segment split by median		0.017213	8	MSTU	MSTU	Parks and Recreation	No	Development	6244	1659		Asphalt	LAKE SAWYER	N	Local
125	Existing Local Trail	Some segments may be 15 ft.		0.110444	14	MSTU	MSTU	Parks and Recreation	No	Development	6244	1659		Concrete	LAKE SAWYER	N	Local
126	Sidewalk	Existing Local Trail	Lake Sawyer sidewalk	0.229267	8	Unknown	Unknown	Parks and Recreation	No					Concrete		N	Local
127	Existing Local Trail	Some segments may be 15 ft		0.919713	14	MSTU	MSTU	Parks and Recreation	No	Development	6244	1659		Asphalt	LAKE SAWYER	N	Local
128	Sidewalk	Existing Local Trail		0.158868	8	Unknown	Unknown	Parks and Recreation	No					Asphalt		N	Local
129	Sidewalk	Existing Local Trail		0.094878	8	Unknown	Unknown	Parks and Recreation	No					Asphalt		N	Local
130	Sidewalk	Existing Local Trail		0.007307	8	Unknown	Unknown	Parks and Recreation	No					Asphalt		N	Local
131	Sidewalk	Existing Local Trail		0.165914	8	Unknown	Unknown	Public Works	No					Concrete		Y	Local
132	Sidewalk	Existing Local Trail		0.113597	8	Unknown	Unknown	Public Works	No					Concrete		Y	Local
133	Sidewalk	Existing Local Trail		0.004275	8	Unknown	Unknown	Public Works	No					Concrete		Y	Local
134	Existing Arterial Trail			1.723959	10	Unknown	Unknown	Public Works	No					Concrete		Y	FunClass
135	Sidewalk	Existing Local Trail		0.088299	9	Unknown	Unknown	Parks and Recreation	No					Asphalt		N	Local
136	Sidewalk	Existing Local Trail		0.613194	8	Unknown	Unknown	Public Works	No					Concrete		Y	Local
137	Existing Local Trail	Split from ObjectID 125		0.084702	14	MSTU	MSTU	Parks and Recreation						Asphalt		Y	
138	Existing Local Trail	Split from ObjectID 185		0.06656	14	HOA	HOA	HOA						Concrete		N	
139	Sidewalk	Existing Local Trail		0.021612	8	Unknown	Unknown	Public Works	No					Concrete		Y	Local
140	Sidewalk	Existing Local Trail		0.398906	8	Unknown	Unknown	Public Works	No					Concrete		Y	Local
141	Sidewalk	Existing Local Trail		0.430817	8	Unknown	Unknown	Public Works	No					Concrete		Y	Local
142	Sidewalk	Existing Local Trail		0.029231	8	Unknown	Unknown	Public Works	No					Concrete		Y	Local
143	Sidewalk	Existing Local Trail		0.903459	8	Unknown	Unknown	Public Works	No					Concrete		Y	Local
144	Sidewalk	Existing Local Trail		0.029741	8	Unknown	Unknown	Public Works	No					Concrete		Y	Local
145	Sidewalk	Existing Local Trail		0.022474	8	Unknown	Unknown	Public Works	No					Concrete		Y	Local
146	Sidewalk	Existing Local Trail		0.349623	8	Unknown	Unknown	Public Works	No					Concrete		Y	Local

FID	TRAILNAME	STATUS	NOTES	MILES	WIDTH	OWNED	MAINTAINED	MAINT_NEW	MASTERPLAN	AGMT_TYPE	AGMT_BOOK	AGMT_PAGE	DM_NUM	SURFACETYP	SOURCE	ROW_	ROADCLASS
147	Sidewalk	Existing Local Trail		0.014807	8	Unknown	Unknown	Public Works	No					Concrete		Y	Local
148	Sidewalk	Existing Local Trail		0.0147	8	Unknown	Unknown	Public Works	No					Concrete		Y	Local
149	Sidewalk	Existing Local Trail		0.028201	8	Unknown	Unknown	Public Works	No					Concrete		Y	Local
150	Sidewalk	Existing Arterial Trail		0.247295	8	Unknown	Unknown	Public Works	No					Concrete		Y	Local
151	Sidewalk	Existing Arterial Trail		0.223077	8	Unknown	Unknown	Public Works	No					Concrete		Y	Local
152	Sidewalk	Existing Local Trail		0.192842	8	Unknown	Unknown	Public Works	No					Concrete		Y	Local
153	Sidewalk	Existing Arterial Trail		0.39681	8	Unknown	Unknown	Public Works	No					Concrete		Y	FunClass
154		Existing Arterial Trail		1.245146	10	Unknown	Unknown	Public Works	No					Concrete		Y	FunClass
155		Proposed Local Trail		0.285959	10	OC	HOA	HOA	NO	APF	103070	2038		Concrete	STILLWATER CROSSING & CENTER BRIDGE PD	N	Local
156		Existing Local Trail	SC 13	0.26486	10	HOA	HOA	HOA	NO	APF	103070	2038		Asphalt	STILLWATER CROSSING CENTER BRIDGE PD	N	Local
157		Existing Local Trail		0.143417	10	OC	HOA	HOA	NO	APF	10402	1392		Concrete	STILLWATER CROSSING & CENTER BRIDGE PD	N	Local
158		Existing Local Trail		0.39372	10	OC	HOA	HOA	NO	APF	10402	1392		Concrete	STILLWATER CROSSING & CENTER BRIDGE PD	N	Local
159		Existing Arterial Trail		0.099826	10	OC	HOA	HOA	NO	APF	10402	1392		Concrete	STILLWATER CROSSING & CENTER BRIDGE PD	Y	Local
160		Existing Arterial Trail		0.276222	10	OC	HOA	HOA	NO	YES				Concrete	STILLWATER CROSSING & CENTER BRIDGE PD	Y	Local
161		Existing Local Trail		0.099316	14	OC	HOA	HOA	NO	YES				Asphalt	STILLWATER CROSSING & CENTER BRIDGE PD	Y	Local
162		Proposed Local Trail		0.142184	14	HOA	HOA	HOA	NO	APF				Asphalt	STILLWATER CROSSING & CENTER BRIDGE PD	N	Local
163		Proposed Local Trail		0.333971	14	OC	HOA	HOA	NO	YES				Concrete	STILLWATER CROSSING & CENTER BRIDGE PD	N	Local
164		Existing Local Trail		0.268083	14	OC	HOA	HOA	NO	APF	9733	8846	264684	Asphalt	FRYE CENTER PD/LAKESIDE VILLAGE PSP	N	Local
165		Proposed Local Trail		0.039021	14	OC	HOA	HOA	NO	APF	9733	8846	264684	Asphalt	FRYE CENTER PD/LAKESIDE VILLAGE PSP	N	Local
166		Proposed Local Trail		0.695301	14	HOA	HOA	HOA	NO	APF	9094	4310	281469	Concrete	LAKE REAMS PD/SHARPS PSP (Parcel 5)	N	Local
167		Existing Local Trail		0.108629	14	HOA	HOA	HOA	NO	APF	9094	4310	281469	Asphalt	LAKE REAMS PD/SHARPS PSP (Parcel 5)	N	Local
168		Proposed Arterial Trail		0.68404	14	HOA	HOA	HOA	NO	APF	9094	4310	281469	Concrete	LAKE REAMS PD SHARP PSP/LAKE REAMS TRICKLE NORTH	Y	FunClass
169		Proposed Local Trail		0.125899	14	HOA	HOA	HOA	NO	APF	9094	4310	281469	Concrete	LAKE REAMS PD/SHARP PSP	N	Local
170		Proposed Local Trail		0.094859	14	HOA	HOA	HOA	NO	APF	9094	4310	281469	Concrete	LAKE REAMS PD/SHARP PSP	N	Local
171		Existing Local Trail		0.204081	14	HOA	HOA	HOA	NO	APF	9094	4310	281469	Asphalt	LAKE REAMS PD/SHARP PSP	N	Local
172		Proposed Local Trail		0.212781	14	HOA	HOA	HOA	NO	APF	9094	4310	281469	Concrete	LAKE REAMS PD/SHARP PSP	N	Local
173		Existing Arterial Trail		0.396559	14	OC	OC	Parks and Recreation	NO	Development	6852	3077	14175	Asphalt	GRANDE PINES LAKE REAMS PD/SHARP PSP	N	Local
174		Existing Local Trail		0.346327	14	HOA	HOA	HOA	NO	APF	9094	4310	281469	Asphalt	LAKE REAMS PD/SHARP PSP	N	Local
175		Proposed Local Trail		0.620744	14	HOA	HOA	HOA	NO	APF	9094	4310	281469	Concrete	LAKE REAMS -LUP	N	Local
176	Sidewalk	Existing Local Trail		0.395289	8	HOA OR MSTU	HOA OR MSTU	HOA	No					Concrete	SIGNATURE LAKES PD/LANDUSE PLAN	N	Local
177		Existing Arterial Trail	SIGNATURE LAKES	0.537994	10	HOA	HOA	HOA	NO	Development	6639	455	280105	Asphalt	SIGNATURE LAKES PD/LANDUSE PLAN	N	FunClass
178		Existing Arterial Trail	SIGNATURE LAKES	0.787252	10	HOA	HOA	HOA	NO	Development	6639	455	280105	Concrete	SIGNATURE LAKES PD/LANDUSE PLAN	Y	Local
179	Sidewalk	Existing Local Trail	SIGNATURE LAKES - SIDEWALK	0.278186	8	MSTU	MSTU	Parks and Recreation	NO	NO				Concrete	SIGNATURE LAKES PD/LANDUSE PLAN	N	Local
180	Sidewalk	Existing Local Trail	SIGNATURE LAKES - SIDEWALK	0.380087	8	MSTU	MSTU	Public Works	NO	NO				Concrete	SIGNATURE LAKES PD/LANDUSE PLAN	Y	Local
181	Sidewalk	Existing Local Trail	SIGNATURE LAKES - SIDEWALK	0.095118	5	MSTU	MSTU	Public Works	NO	NO				Concrete	SIGNATURE LAKES PD/LANDUSE PLAN	Y	Local
182	Sidewalk	Existing Local Trail	SIGNATURE LAKES - SIDEWALK	0.290092	8	MSTU	MSTU	Public Works	NO	NO				Concrete	SIGNATURE LAKES PD/LANDUSE PLAN	Y	Local
183	Sidewalk	Existing Local Trail	SIGNATURE LAKES-sidewalk	0.093907	8	MSTU	MSTU	Public Works	NO	NO				Concrete	SIGNATURE LAKES PD/LANDUSE PLAN	Y	Local
184		Existing Local Trail	SIGNATURE LAKES - bike trail	0.879028	14	HOA	HOA	HOA	NO	Development	6639	455	280105	Asphalt	SIGNATURE LAKES PD/LANDUSE PLAN	N	Local
185		Existing Arterial Trail	SIGNATURE LAKES - bike trail	0.526961	14	HOA	HOA	HOA	NO	Development	6639	455	280105	Asphalt	SIGNATURE LAKES PD/LANDUSE PLAN	N	FunClass
186	Sidewalk	Existing Local Trail	SIGNATURE LAKES SIDEWALK	0.218341	8	MSTU	MSTU	Public Works	NO	NO				Concrete	SIGNATURE LAKES PSP	Y	Local
187		Existing Local Trail	SIGNATURE LAKES	0.704456	10	OC	HOA	HOA	NO	Development	6639	455	280105	Concrete	SIGNATURE LAKES PD/LANDUSE PLAN	Y	Local
188		Existing Local Trail		0.050405	14	Unknown	Unknown	Parks and Recreation	NO	YES				Asphalt	STILLWATER CROSSINGS & CENTER BRIDGE LUP	Y	Local
189		Existing Local Trail		0.137578	14	HOA	HOA	HOA	NO	APF				Asphalt	STILLWATER CROSSINGS & CENTER BRIDGE LUP	N	Local
190	Horizon West Trail	Proposed Arterial Trail	Daniels Rd to Horizon West Sports Complex	2.233902	10	OC	HOA	HOA	Yes	YES				Concrete	Parks & Recreation	Y	Local
191		Existing Local Trail	Actual measure is 10 ft	0.187624	10	OC	OC	Public Works	NO	YES				Concrete	STILLWATER CROSSINGS & CENTER BRIDGE LUP	Y	Local
192		Existing Local Trail		0.39883	14	OC	OC	Parks and Recreation	NO	APF				Asphalt	STILLWATER CROSSINGS & CENTER BRIDGE LUP	Y	Local
193		Existing Local Trail		0.140406	12	OC	HOA	HOA	NO	YES				Asphalt	STILLWATER CROSSINGS & CENTER BRIDGE LUP	Y	Local
194		Existing Local Trail		0.252846	14	HOA	HOA	HOA	NO	APF				Asphalt	STILLWATER CROSSINGS & CENTER BRIDGE LUP	Y	Local
195		Existing Local Trail		0.244167	14	OC	HOA	HOA	NO	YES				Concrete	STILLWATER CROSSINGS & CENTER BRIDGE LUP	Y	Local
196		Existing Arterial Trail		0.250084	10	HOA	HOA	HOA	NO	APF	10391	1627	269384	Asphalt	WEST LAKE HANCOCK	Y	FunClass
197		Existing Arterial Trail	FISHBACK Bike Trail	0.195661	14	OC	OC	Parks and Recreation	NO	APF	8176	1700	276265	Asphalt	FISHBACK PROPERTY LANDUSE PLAN	N	Local
198		Existing Arterial Trail	FISHBACK Bike Trail	1.296041	10	OC	OC	Public Works	NO	APF	8176	1700	276265	Concrete	FISHBACK PROPERTY LANDUSE PLAN	Y	FunClass
199		Proposed Arterial Trail	FISHBACK Bike Trail	0.262004	14	OC	OC	Parks and Recreation	NO	APF	8176	1700	276265	Concrete	FISHBACK PROPERTY LANDUSE PLAN	N	Local
200		Existing Local Trail	Signature Lakes - bike trail	1.113742	14	OC	HOA	HOA	NO	Development	6639	455	280105	Asphalt	SIGNATURE LAKES PD/LANDUSE PLAN	N	Local
201		Existing Arterial Trail	SUMMERLAKE BIKE TRAIL	2.099479	14	OC	OC	Parks and Recreation	NO	APF	8200	60	280566	Asphalt	SUMMERLAKE PSP	Y	FunClass
202		Existing Arterial Trail		0.103224	10	HOA	HOA	HOA	NO	Development	6639	455	280105	Asphalt	SIGNATURE LAKES PSP	N	Local
203	Trail	Existing Local Trail		0.111104	8	HOA	HOA	HOA	NO	APF	8247	2536	262501	Concrete	BECK PROPERTY PSP	N	Local
204		Proposed Local Trail		0.249306	10	HOA	HOA	HOA	NO	APF	9708	582	262501	Concrete	BECK-OVERSTREET PSP	N	Local
205		Existing Arterial Trail		1.081323	10	HOA	HOA	HOA	NO	Road	10411	542	278806	Asphalt	HAMLIN LUP	Y	Local
206	Trail	Proposed Local Trail		0.184506	14	MSTU	MSTU	Parks and Recreation	No	Development	6244	1659		Concrete	LAKE SAWYER	N	Local
207		Proposed Local Trail		0.411892	14	OC	HOA	HOA	NO	APF	9850	711	264042	Concrete	ROYAL ESTATES	N	Local
208		Proposed Local Trail	Owned & Maintained by Valencia	1.587235	14	Unknown	Unknown	Parks and Recreation	NO	APF	8990	4406	78043	Concrete	VALENCIA COMMUNITY COLLEGE LUP	N	Local
209		Proposed Arterial Trail		0.773093	14	OC	OC	Public Works	NO	APF	10577	2071	280311	Concrete	SPRINGHILL VILLAGE H	Y	FunClass
210	Trail	Proposed Local Trail		0.39059	10	OC	HOA	HOA	No	APF	10557	290	278786	Concrete	WATERLEIGH VILLAGE H	Y	Local
211		Existing Arterial Trail	STILLWATER CROSSING & CENTER BRIDGE BIKE TRAIL	0.358647	10	OC	OC	Parks and Recreation	NO	APF	8176	1700	276265	Asphalt	STILLWATER CROSSING & CB PROPERTY LANDUSE PLAN	Y	FunClass
212	Trail	Existing Local Trail		0.170948	8	HOA	HOA	HOA	NO	Development	6274	5705	276624	Concrete	LAKE BURDEN LUP	N	Local
213	Trail	Existing Local Trail		0.16891	8	HOA	HOA	HOA	NO	Development	6274	5705	276624	Concrete	LAKE BURDEN LUP	N	Local
214	Trail	Existing Local Trail		0.207966	8	HOA	HOA	HOA	NO	Development	6274	5705	276624	Concrete	LAKE BURDEN LUP	N	Local
215	Trail	Existing Local Trail		0.048779	8	HOA	HOA	HOA	NO	Development	6274	5705	276624	Concrete	LAKE BURDEN LUP	Y	Local
216	Trail	Existing Local Trail		0.062161	5	HOA	HOA	HOA	NO	Development	6274	5705	276624	Concrete	LAKE BURDEN LUP	N	Local
217		Existing Local Trail		0.028788	5	Unknown	Unknown	Parks and Recreation	No					Concrete	Lake Burden LUP	N	Local
218		Future Local Trail		0.804324	10	Unknown	Unknown	Parks and Recreation	No					Concrete	Village I - Recommended LUP/SAP	N	Local
219		Future Local Trail		0.841478	10	Unknown	Unknown	Parks and Recreation	No					Concrete	Village I - Recommended LUP/SAP	N	Local
220		Future Local Trail		1.577611	10	Unknown	Unknown	Public Works	No					Concrete	Adequate Public Facilities Map- Village I	Y	Local

FID	TRAILNAME	STATUS	NOTES	MILES	WIDTH	OWNED	MAINTAINED	MAINT_NEW	MASTERPLAN	AGMT_TYPE	AGMT_BOOK	AGMT_PAGE	DM_NUM	SURFACETYP	SOURCE	ROW_	ROADCLASS
221		Future Local Trail		0.081547	10	Unknown	Unknown	Public Works	No					Concrete	Adequate Public Facilities Map- Village I	Y	Local
222		Proposed Local Trail		1.740375	10	Unknown	Unknown	Public Works	No					Concrete	Waterleigh LUP	Y	Local
223		Future Local Trail		2.312911	10	Unknown	Unknown	Parks and Recreation	No					Concrete	Major Roadway Network Plan- Town Center ????	N	Local
224		Future Local Trail		0.712861	10	Unknown	Unknown	Parks and Recreation	No					Concrete	Major Roadway Network Plan- Town Center	N	Local
225		Future Arterial Trail		2.5933	14	Unknown	Unknown	Public Works	No					Concrete	Adequate Pubic Facilities Map- Village I	Y	FunClass
226		Future Arterial Trail		4.432735	10	Unknown	Unknown	Public Works	No					Concrete	OpenSpace,Parks&BikePedPlan-VillageH/WaterleighLUP	Y	FunClass
227		Future Arterial Trail		2.081276	10	Unknown	Unknown	Public Works	No					Concrete	Major Roadway Network Plan- Town Center ????	Y	FunClass
228		Existing Arterial Trail		0.449176	5	Unknown	Unknown	Public Works	No					Concrete	Shown on Village F SAP/LUP (east of SR 429)	Y	FunClass
229		Future Arterial Trail		1.340918	10	Unknown	Unknown	Public Works	No					Concrete		Y	Local
230		Future Arterial Trail		0.567855	10	Unknown	Unknown	Public Works	No					Concrete	GAP SEGMENT	Y	FunClass
231		Existing Arterial Trail		0.170506	10	Unknown	Unknown	Parks and Recreation	No					Asphalt		Y	Local
232		Existing Arterial Trail	5' Sidewalk in ROW - Measured on aerial	0.863356	5	OC	OC	Public Works	No					Concrete		Y	FunClass
233		Future Local Trail		0.643037	10	Unknown	Unknown	Public Works	No					Concrete	Lakeside Recommended LUP	Y	FunClass
234		Future Local Trail		0.992155	10	Unknown	Unknown	Parks and Recreation	No					Concrete	Lakeside Recommended LUP	N	Local
235		Existing Local Trail	7' Sidewalk in ROW - Measured on aerial	1.872915	7	OC	OC	Public Works	No					Concrete	Lakeside Recommended Land Use Plan	Y	FunClass
236		Future Local Trail		0.355802	14	Unknown	Unknown	Parks and Recreation	No					Concrete	North of Albert LUP	N	Local
237		Future Local Trail		0.486541	10	HOA	HOA	HOA	NO	Road	10411	542	278806	Concrete	HAMLIN LUP	Y	FunClass
238		Existing Arterial Trail		0.350366	10	HOA	HOA	HOA	NO	Road	10411	542	278806	Asphalt	HAMLIN LUP	Y	Local
239		Proposed Local Trail		0.39043	14	HOA	HOA	HOA	NO	APF	9094	4310	281469	Concrete	LAKE REAMS PD SHARP PSP/LAKE REAMS TRICKLE NORTH	N	Local
240		Existing Local Trail		0.229268	14	HOA	HOA	HOA	NO	APF	9094	4310	281469	Asphalt	LAKE REAMS PD SHARP PSP/LAKE REAMS TRICKLE NORTH	N	Local
241	Horizon West Trail	Proposed Arterial Trail		0.403783	10	OC	HOA	HOA	Yes	YES				Concrete	Parks & Recreation	Y	Local
242	Horizon West Trail	Existing Arterial Trail		0.434566	10	OC	HOA	HOA	Yes	YES				Concrete	Parks & Recreation	Y	FunClass
243		Proposed Local Trail	12 APF agreements book, page vary	1.22579	10	OC	OC	Parks and Recreation	NO	APF				Concrete		N	Local
244		Proposed Local Trail	12 APF agreements book, page vary	1.311366	10	OC	OC	Parks and Recreation	NO	APF				Concrete	VILLAGE F LUP	N	Local
245		Proposed Arterial Trail	12 APF agreements book, page vary	1.868365	10	OC	OC	Public Works	NO	APF				Concrete	VILLAGE F PD/LANDUSE PLAN	Y	FunClass
246		Proposed Arterial Trail	12 APF agreements book, page vary	0.46208	10	OC	OC	Public Works	NO	APF				Concrete	VILLAGE F PD/LANDUSE PLAN	Y	FunClass
247		Proposed Arterial Trail	12 APF agreements book, page vary	0.197839	10	OC	OC	Public Works	NO	APF				Concrete	VILLAGE F PD/LANDUSE PLAN	Y	FunClass
248		Proposed Arterial Trail	12 APF agreements book, page vary	0.253752	10	OC	OC	Public Works	NO	APF				Concrete	VILLAGE F PD/LANDUSE PLAN	Y	Local
249		Proposed Local Trail	12 APF agreements book, page vary	0.264042	10	OC	OC	Public Works	NO	APF				Concrete	VILLAGE FLUP/Compass Rose	Y	Local
250		Existing Local Trail	SIGNATURE LAKES - bike trail	0.094146	14	HOA	HOA	HOA	NO	Development	6639	455	280105	Asphalt	SIGNATURE LAKES PD/LANDUSE PLAN	Y	Local
251		Existing Local Trail		0.046759	14	HOA	HOA	HOA	NO	APF	9094	4310	281469	Asphalt	LAKE REAMS PD/SHARPS PSP	N	Local
252	Sidewalk	Existing Local Trail	SIGNATURE LAKES - SIDEWALK	0.252641	8	MSTU	MSTU	Public Works	NO	NO				Concrete	SIGNATURE LAKES PD/LANDUSE PLAN	Y	Local
253	Sidewalk	Existing Local Trail	SIGNATURE LAKES - SIDEWALK	0.183267	8	MSTU	MSTU	Parks and Recreation	NO	NO				Concrete	SIGNATURE LAKES PD/LANDUSE PLAN	N	Local
254		Future Local Trail		0.298739	14	Unknown	Unknown	Parks and Recreation	No					Concrete	North of Albert LUP	N	Local
255	Sidewalk	Existing Arterial Trail	Split former ObjectID 555	0.08333	5	OC	OC	Public Works						Concrete		Y	
256	Sidewalk	Existing Arterial Trail	Split former ObjectID 555	0.314151	5	Unknown	Unknown	Parks and Recreation						Concrete		N	
257		Existing Arterial Trail	Split former ObjectID 555	0.329368	14	Unknown	Unknown	Parks and Recreation						Asphalt		N	
258	Sidewalk	Existing Arterial Trail	Split former ObjectID 555	0.067891	5	OC	OC	Public Works						Concrete		Y	
259		Future Arterial Trail	Split former ObjectID 555	1.03082	10	Unknown	Unknown	Public Works						Concrete		Y	
260		Future Arterial Trail	Split former ObjectID 555	0.180598	10	Unknown	Unknown	Public Works						Concrete		Y	
261		Future Arterial Trail	Split former ObjectID 555	0.144733	10	OC	OC	Parks and Recreation						Concrete		N	
262		Future Arterial Trail	Split former ObjectID 555	0.08759	10	OC	OC	Parks and Recreation						Concrete		N	
263		Future Arterial Trail	Split former ObjectID 555	0.558248	10	Unknown	Unknown	Public Works						Concrete		Y	
264		Existing Local Trail	Split from ObjectID 196	0.174207	14	OC	OC	Public Works	No					Concrete		Y	
265	Trail	Existing Local Trail	Split from ObjectID 533	0.04102	5	HOA	HOA	HOA	No					Concrete		N	
266		Existing Arterial Trail	Split from ObjectID 548	0.30275	5	OC	OC	Public Works						Concrete		Y	
267		Existing Local Trail	Split from ObjectID 849	0.171831	10	OC	OC	Parks and Recreation						Asphalt		Y	
268		Existing Arterial Trail	Split from ObjectID 850	0.126514	5	OC	OC	Parks and Recreation						Concrete		N	
269		Existing Arterial Trail	Split from ObjectID 854	0.334231	10	OC	OC	Public Works						Concrete		Y	
270		Existing Arterial Trail	Split from Segment 234	0.654985	7	OC	OC	Public Works	No					Concrete		Y	
271		Existing Local Trail	Drawn from aerial	0.228626	8	OC	OC	Public Works						Concrete		Y	
272		Existing Local Trail	Drawn from aerial	0.632228	7	OC	OC	Public Works						Concrete		Y	
273		Existing Local Trail	Drawn from aerial	0.214902	8	HOA	HOA	HOA	No					Concrete		N	
274		Existing Local Trail	Drawn from aerial	0.264287	8	Unknown	Unknown	Public Works						Concrete		Y	
275		Existing Local Trail	Drawn from aerial	0.246015	8	Unknown	Unknown	Public Works						Concrete		Y	
276		Existing Local Trail	Drawn from aerial	0.108834	8	HOA	HOA	HOA						Concrete		N	
277		Existing Local Trail	Drawn from aerial	0.406883	8	OC	HOA	HOA						Concrete		Y	
278		Existing Local Trail	Drawn from aerial	0.199392	8	Unknown	Unknown	Parks and Recreation						Concrete		N	
279		Existing Local Trail	Drawn from aerial	0.486222	8	Unknown	Unknown	Parks and Recreation						Concrete		N	
280	Horizon West Trail	Existing Trail	West Orange Park to Daniels Rd (SR 429 spur)	2.974544	6				Yes					Concrete	Parks & Recreation	Y	
281		Proposed Local Trail		0.888095	10	OC	OC	Public Works	NO	APF	10577	2071	280311	Concrete	SPRINGHILL VILLAGE H	Y	FunClass



B. Orange County Collaboration Meeting Minutes



**Meeting
Notes**

Attendees: Melody Butler – VHB
Laurence Lewis – VHB
Brian Sanders – OC Transportation Planning
Matt Suedmeyer – OC Parks and Recreation
Sara Forelle – OC Planning
Brandy Driggers – OC Planning
Mark Dana – OC Transportation Planning
Dean Salmons – OC CEDS
Robert Goff – OC Parks and Recreation
Heather Brownlie – OC Transportation Planning
Jim Hall – VHB
John Prowell – VHB
Joel Prinsell – OC Attorney’s Office
Kathy Furey-Tran – OC Attorney’s Office
Olan Hill – OC Planning
Mark Bertoncini – VHB
Diana Almodovar – OC Public Works
Renzo Nastasi – OC Transportation Planning
Roxann Lightbourne – OC GIS
Joe Kunkel – OC Public Works
Jon Weiss – OC Community, Environment, and
Development Services
David Pearce – OC Public Works
Bill Thomas – Orange County, Parks and Rec
Mark Massaro – OC Public Works

Date/Time: Tuesday, February 11, 2014
10:00 AM – 12:00 PM

Project No.: 61785.03

Place: Orange County Public Works Building

Re: Staff Group Meeting #1

Notes: Melody Butler
taken by:

These meeting minutes are VHB’s attempt at capturing the key discussion points, decisions, action items, and resolutions discussed at the meeting. If you would like to clarify or comment on any point, please notify L. Lewis by phone or email within 48 hours of this email distribution. ***If no comments are received within 48 hours, these meeting records will be assumed to serve as the official meeting record.***

The following are the key topics discussed at the meeting:

I. Task 1 – Data Assessment

VHB created three maps from the GIS information that was provided by Orange County: Existing and Proposed Trails and Future Arterial Trails; Draft Arterial Trail Network; and Trail Ownership

and Maintenance. Orange County staff were asked the following questions regarding the trail data:

a. Are there any additions or changes to the maps provided?

On the Draft Arterial Trail Network map, there should include connections to Lake County's Wellness Way initiative.

On the Existing and Proposed Trails and Future Arterial Trails map, there are some trails that are either already constructed or under construction that are shown as proposed.

On the Trail Ownership and Maintenance map, the trails in Village F are shown as owned and maintained by Orange County; however, the PD shows these trails as maintained by the HOA.

b. Is the information provided on the maps congruent with the previous trails study completed by Public Works around 2007-2008?

The previous Public Works study was done in order to identify trails in Horizon West and to determine maintenance responsibility based on the size of the trails. It was decided that for sidewalks/trails less than 6', Public Works is responsible; for sidewalks/trails greater than 12', Parks is responsible; and for sidewalks/trails greater than 6' and less than 12', there is no clear understanding of who is responsible. The GIS line work that was generated for this study is available but appears to be redundant to the latest GIS information provided by the County for this Trails Study.

c. Additional information to include in GIS trails layer?

There were no comments regarding additional information to be included in the GIS files

d. Input or suggestions for Local Trail policies?

The local trails network will be determined through policy guidelines. The policy will define that certain amenities such as schools and parks shall be connected through the local trails. The local trails shall also connect to the arterial network. The developers will determine the exact placement of the local trails, but the location will not be known until the Preliminary Subdivision Plans or Land Use Plans are developed.

II. Task 2 – Trail Standards

We discussed the standards that the County has used for trails that are already constructed. Parks would like to have all trails in the Arterial Network be 14' wide: 12' asphalt with 1' concrete ribbon curb on either side. The arterial trails will connect the Villages together.

a. Other County trail design standards

On roadway projects, Orange County typically includes a 10' wide multipurpose concrete path on one side of the roadway and a 5' sidewalk on the other side. Public Works usually maintains multipurpose paths/trails that are located next to the road and are designed as part of the roadway. Historically, 14' wide trails have been maintained by Parks. Public Works maintains trails that are 10' or less and associated with an adjacent roadway. There was general consensus that trails over 10' will be maintained by Parks.

b. Public Works policy for concrete-only trails within ROW?

Mark Massaro prefers that sidewalks/trails be constructed of concrete in residential areas. In rural areas where there are few driveway crossings, asphalt is acceptable. However, if Parks is responsible for maintaining the trails, Mark does not have a preference on the material.

- c. Are trails inspected after construction? If so, by whom?**
Diana Almodovar's staff reviews and inspects.

III. Task 3 – Approval Process

Each Village SAP identified the network that was anticipated in the APF network. The earlier Villages used the APF network map for the approval of trails, but the later Villages did not adopt this in the Comprehensive Plan.

- a. Should Parks be involved in other parts of the review process?**

Parks reviews the land use plans and PSP's through the Technical Review Group meetings.

- b. How are trail widths determined during the design and permitting process?**

If there is language in the SAP or the Comprehensive Plan, the width is mandated. If the width requirement is not in either of those documents, the developer can get a waiver to deviate from the preferred width.

- c. Should local trails (maintained by HOA) be placed in County ROW or in a separate easement?**

It is unlikely that developers will give up right of way for trails.

- d. If HOA fails to maintain local trail in ROW, who would be responsible for maintenance?**

The ideal scenario would be to set up an MSTU/MSBU that would be funded by the residents but maintained by Public Works. Commissioner Boyd has been talking to residents in Horizon West about setting up MSTU/MSBUs for trails.

- e. How should non-conforming arterial trails (existing and proposed) be addressed?**

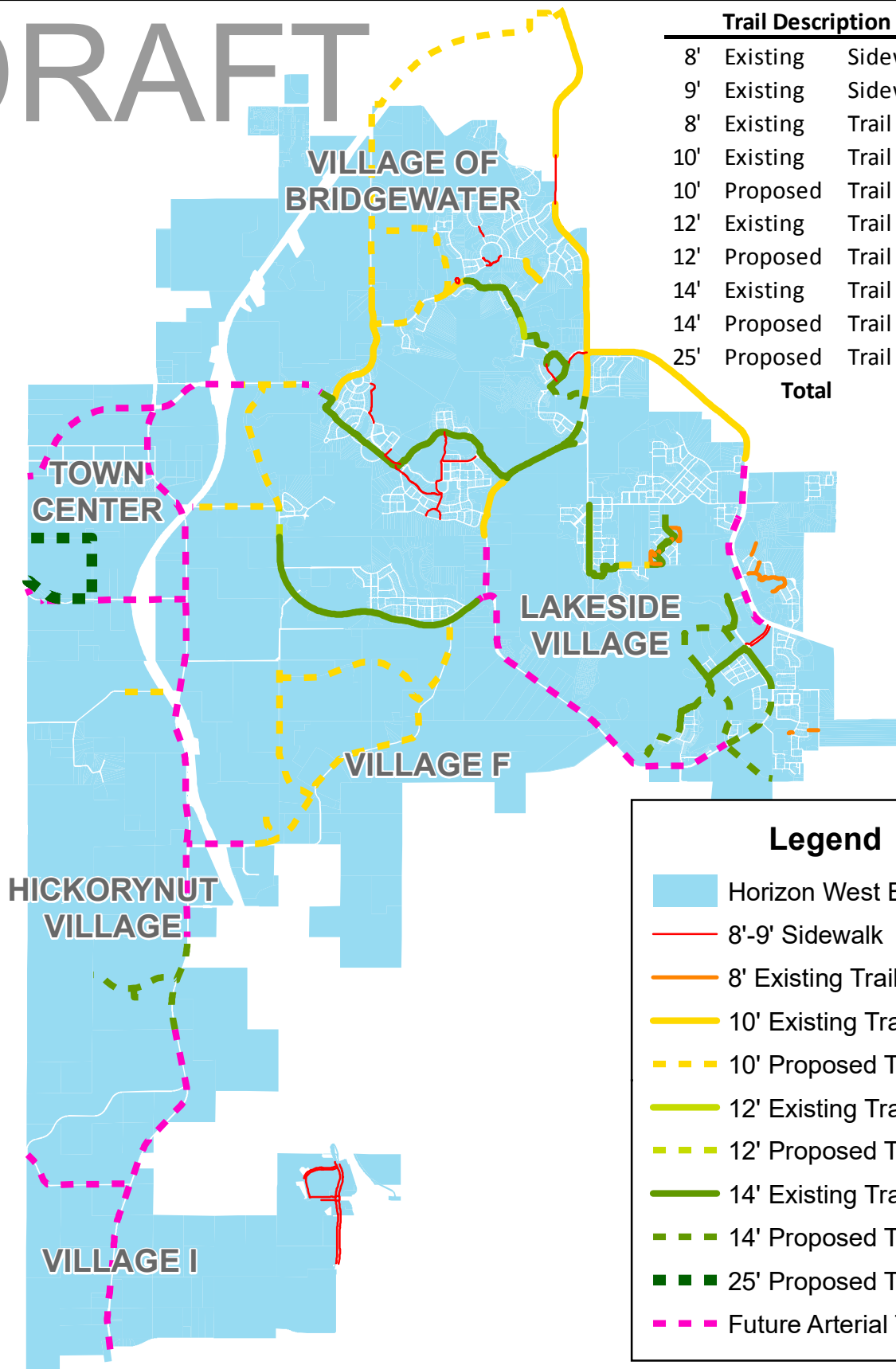
For existing trails that are less than 14', the County needs to decide if they want to upgrade these trails to meet the 14' standard. Of the existing trails within the arterial network, 6.2 miles are 10' wide and 3.3 miles are 14' wide. A large portion of the proposed trails in the arterial network are currently being designed at 10'. The County needs to determine if it is cost effective to try to amend the plans for the Seidel Road and CR 545 trails to conform to the arterial trail standard.

IV. Action Items

- VHB will update the trails maps to show the connections to Wellness Way and to show the existing trails that are currently shown as proposed.
- Bill Thomas and Matt Suedmeyer are coordinating a Senior Staff meeting to discuss how the County would like to approach the non-conforming trails within the Arterial Trails Network.
- Bill Thomas is coordinating with Diana Almodovar's group to schedule the next Staff Group Meeting about the construction and inspection processes.

cc: Attendees
VHB File #61785.03

DRAFT



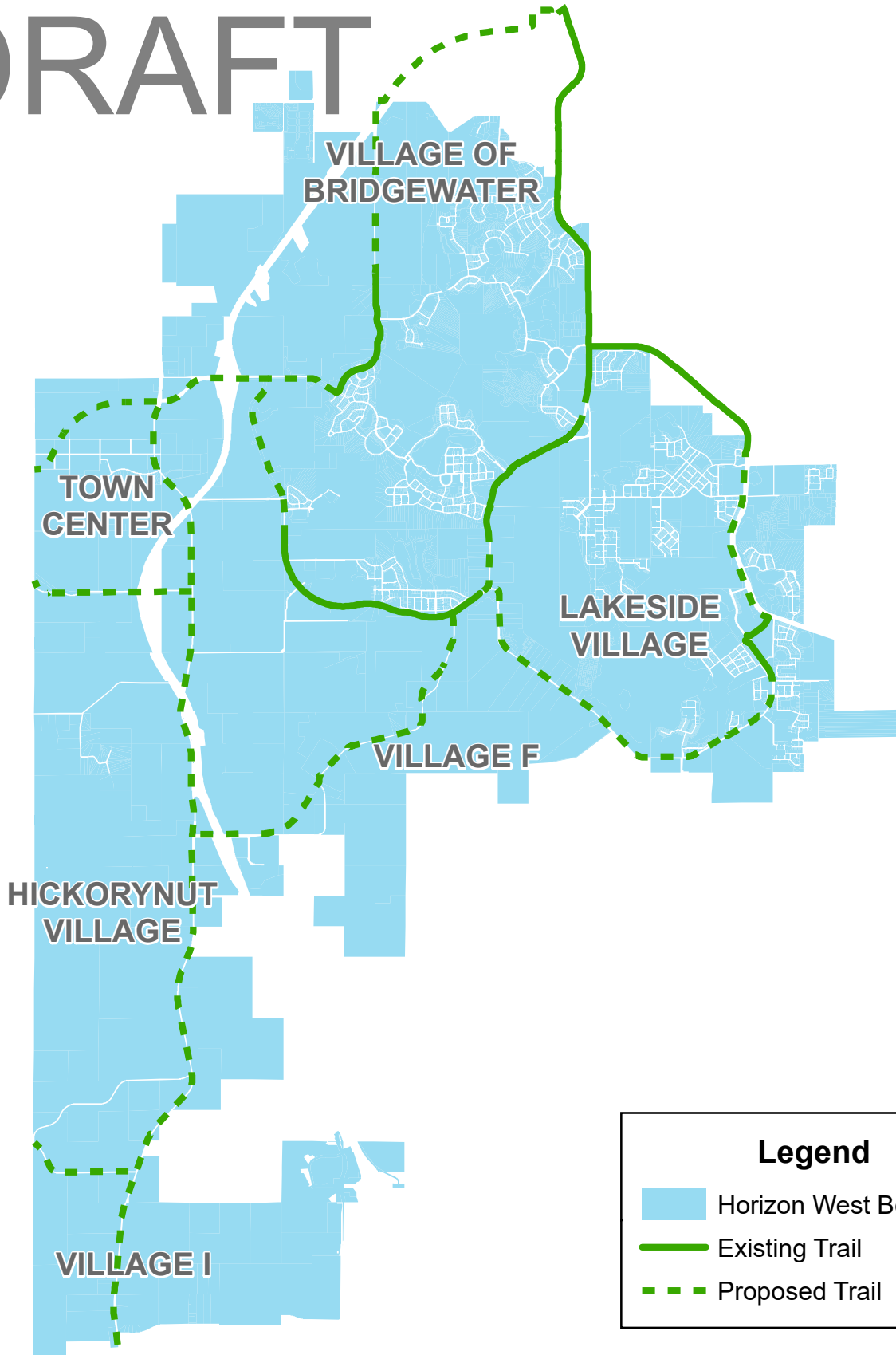
Trail Description			Total Length
8'	Existing	Sidewalk	6.7 miles
9'	Existing	Sidewalk	0.10 miles
8'	Existing	Trail	1.4 miles
10'	Existing	Trail	6.6 miles
10'	Proposed	Trail	13.8 miles
12'	Existing	Trail	0.14 miles
12'	Proposed	Trail	0.25 miles
14'	Existing	Trail	9.1 miles
14'	Proposed	Trail	6.3 miles
25'	Proposed	Trail	1.6 miles
Total			46 miles

Legend

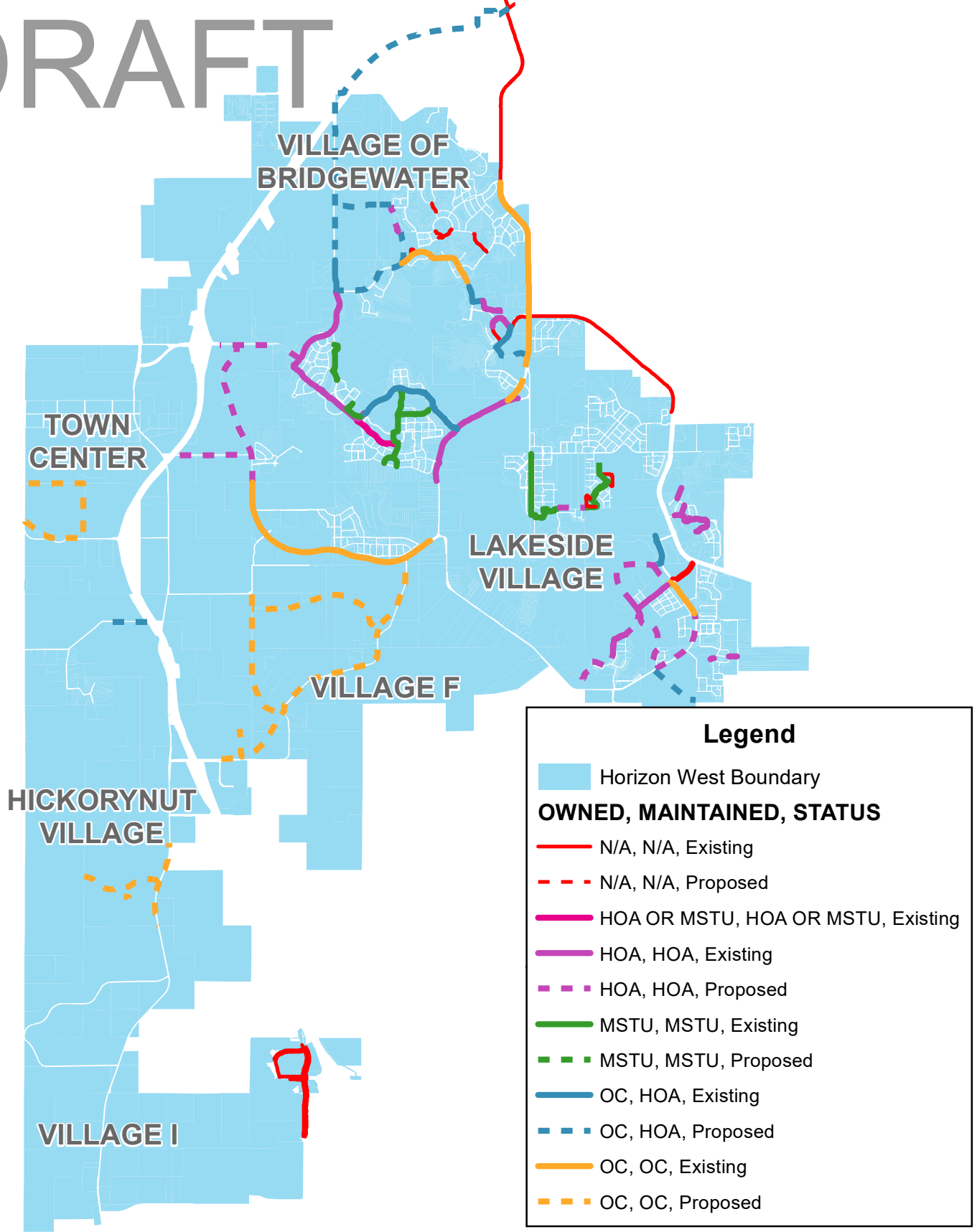
- Horizon West Boundary
- 8'-9' Sidewalk
- 8' Existing Trail
- 10' Existing Trail
- 10' Proposed Trail
- 12' Existing Trail
- 12' Proposed Trail
- 14' Existing Trail
- 14' Proposed Trail
- 25' Proposed Trail
- Future Arterial Trail




DRAFT



DRAFT






Horizon West Trails Plan

Presented to
Orange County – Staff Group Meeting #1

Presented by
Vanasse Hangen Brustlin, Inc.
February 11, 2014

Horizon West Trails Plan



Meeting Agenda

- I. Introductions and Project Background**
- II. Meeting Goals**
- III. Review of Scope Tasks**
- IV. Group Discussion of Project Issues**
- V. Next Steps**



Meeting Goals

- Obtain input from County departments regarding Arterial Trail system

- Identify key issues in existing development review process

- Identify next steps and additional staff coordination




Project Scope

- Task 1 – Data Assessment
- Task 2 – Trail Standards
- Task 3 – Dedication and Approval Process
- Task 4 – Meetings (PRAB, LPA, DRC, P&Z, BCC)
- Task 5 – Deliverables

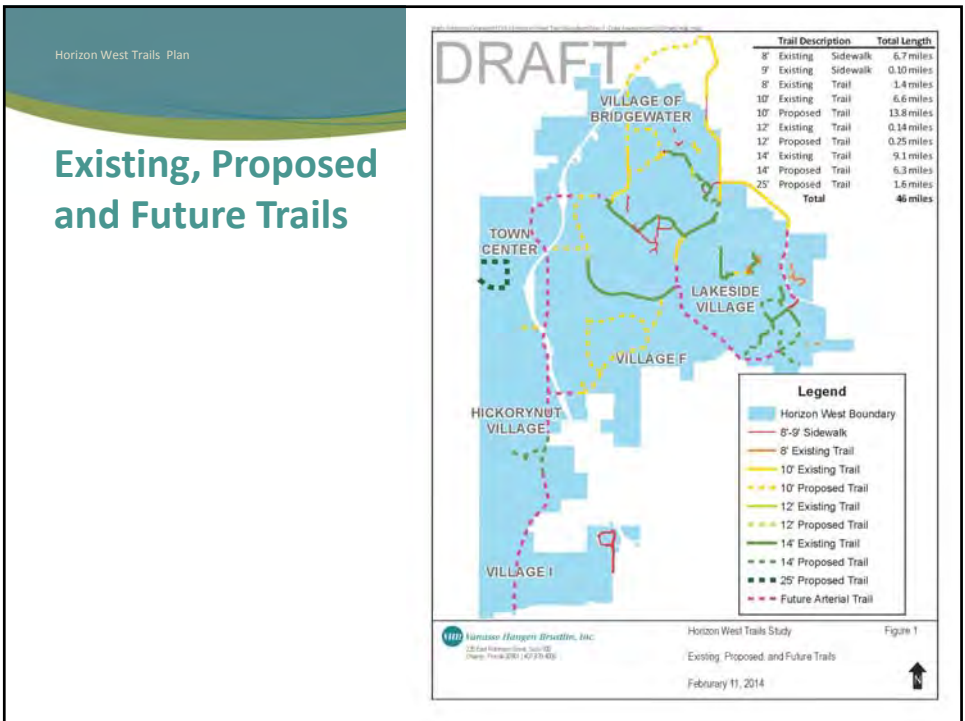
- Eight-week schedule – report draft by mid-March

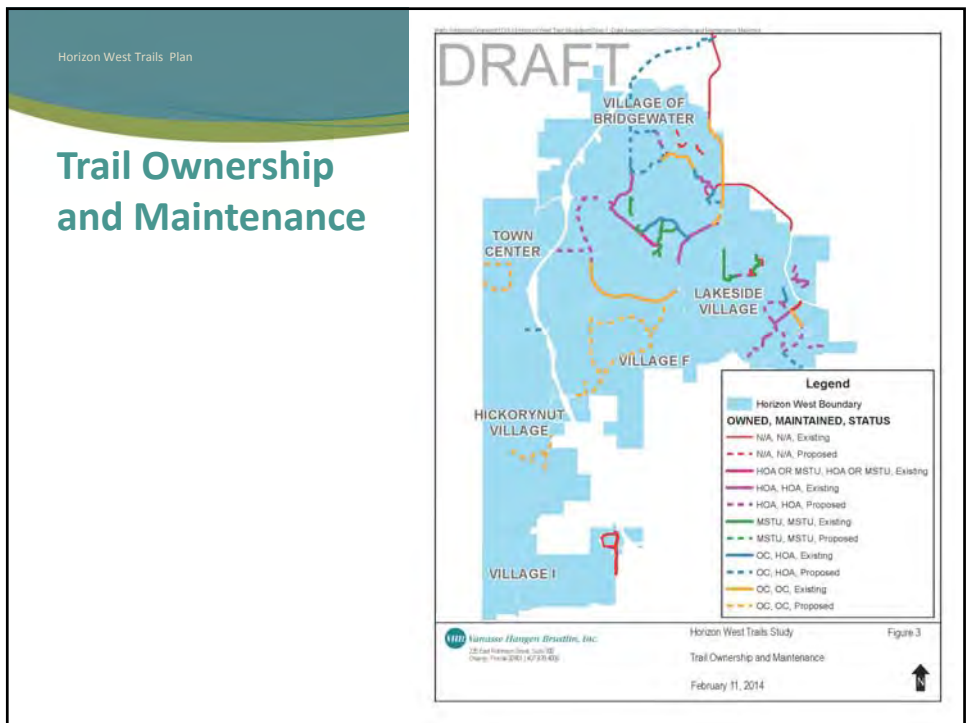
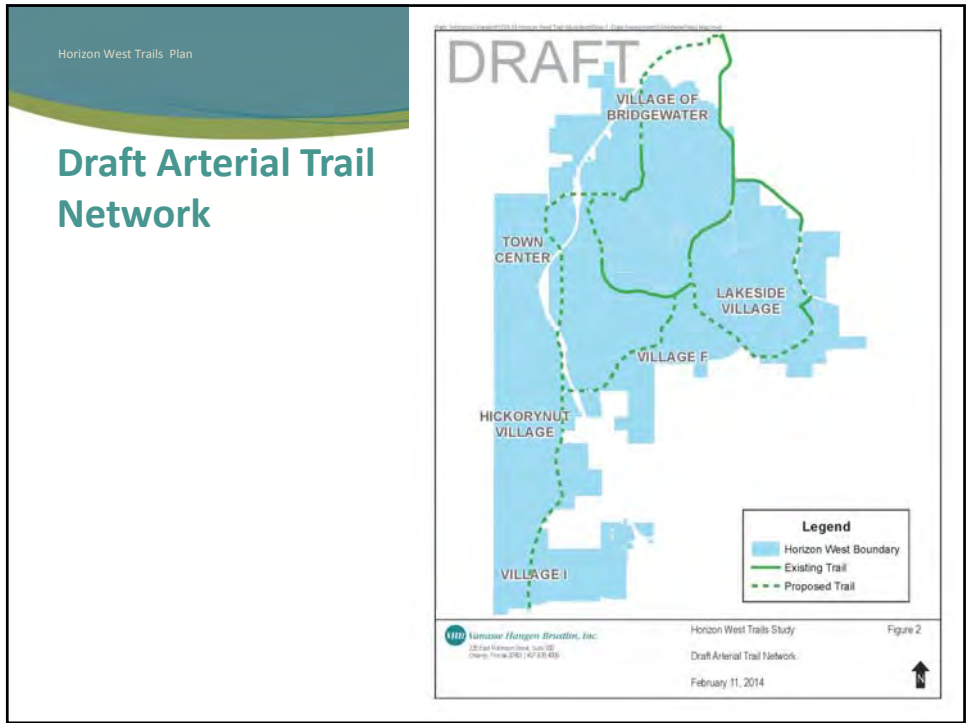
Horizon West Trails Plan




Task 1 – Data Assessment

- Inventory of existing and proposed/approved trails completed by Planning staff
 - Width, ownership, maintenance, APF Agreement number
 - GIS layer to be updated/maintained by staff
- Draft Arterial Trail Network identified by Parks staff
 - To be owned and maintained by County
 - Map to be adopted
- Local Trail Network
 - To be owned and maintained by HOA
 - No adopted map or alignments
 - Policies to be developed for filling in gaps
- Wide Sidewalks (8' – 9')






Horizon West Trails Plan



Task 1 – Questions for Group

- Additions or changes to Arterial Trail Network?
- Previous trails study completed by Public Works? (2007-8)




Legend

- Horizon West Boundary
- Existing Trail
- - - Proposed Trail

Horizon West Trails Study
Draft Arterial Trail Network
February 11, 2014

Horizon West Trails Plan



Task 1 – Questions for Group

- Information to include in GIS trails layer?
 - Name
 - Status
 - Notes
 - Miles
 - Width
 - Owned
 - Maintained
 - Master Plan
 - Agreement Type
 - Agreement Book
 - Agreement Page
 - DM Number
 - Year Built
 - Surface Type
 - Source



Task 1 – Questions for Group

- Input or suggestions for Local Trail policies?
 - Provide connectivity within Villages to schools and parks
 - Maintained by HOA
 - Some policy guidance through SAPs
 - Wide sidewalks vs. local trails?



Task 2 – Trail Standards

- Standards to apply to Arterial Trail Network
 - Width
 - Materials and design (depth, ribbon curbs, etc.)
 - Location relative to other land uses and connectivity

- Existing Parks and Recreation standards
 - 14' width
 - Asphalt with concrete ribbon curbs on each side
 - Concrete and boardwalks / bridges where necessary



Task 2 – Questions for Group

- Other County trail design standards? (besides Parks)
- Public Works policy for concrete-only trails within ROW?
- Are trails inspected after construction? If so, by whom?



Task 3 – Approval Process

- SAP Approval
 - Conceptual trail system
 - Policies regarding trail network
- PD Approval
 - Consistency with SAP
 - Trail location and width, but no materials
 - TRG/DRC review
- PSP Approval
 - Consistency with PD
 - Trail location and width, but no materials
 - TRG/DRC review



Task 3 – Approval Process

- Plat Review
 - Trail location and width, but no materials
 - Transfer of ownership for public ROW
- Construction
 - Materials specified



Task 3 – Questions for Group

- Parks is involved in RAC, TRG/DRC and Platting. Should Parks be involved in other parts of the review process?
- How are trail widths determined during the design and permitting process?
- Should local trails (maintained by HOA) be placed in County ROW or in a separate easement?
- If HOA fails to maintain local trail in ROW, who would be responsible for maintenance?
- How should non-conforming arterial trails (existing and proposed) be addressed?



Next Steps

- Staff Group Meeting #2 – Construction and Inspection
- Draft report in late March
- Meetings beginning in April
 - Parks and Rec Advisory Board
 - Development Review Committee
 - Local Planning Agency
 - Planning and Zoning
 - Board of County Commissioners



Horizon West Trails Plan

Presented to
Orange County – Staff Group Meeting #1

Presented by
Vanasse Hangen Brustlin, Inc.
February 11, 2014



HORIZON WEST TRAILS STUDY

Staff Group Meeting #1 – February 11, 2014 10:00am-12:00pm

Sign In Sheet

NAME	COMPANY/ORGANIZATION	EMAIL	PHONE
Melody Butler	VHB	mbutler@vhb.com	
Lawrence Lewis	VHB	llewis@vhb.com	
BRIAN SANDERS	OC CEDS TP	BRIAN.SANDERS@OCFL.NET	407-836-8022
Matt Svedmeyer	OCPR	Matt.Svedmeyer@ocfl.net	836-6202
Sara Forelle	OC Planning	Sara.Forelle@ocfl.net	836-5619
Brandy Driggers	Planning	brandy.driggers@ocfl.net	836-5615
MARK DANA	TRANS. PLANNING	MARK.DANA@OCFL.NET	407-836-0231
Dean Solmons	OC CEDS	dean.solmons@ocfl.net	407-88-5341
ROBERT GOFF	OCPR	ROBERT.GOFF@OCFL.NET	407-836-6234
Heather Brownlie	Transportation Planning	Heather.Brownlie@ocfl.net	407-836-8076
JIM HALL	VHB	JHALL@VHB.COM	407-839-4006
John Prusell	VHB	prusell@vhb.com	407-839-4006
Joel Prinsell	OC Attorney's Ofc.	joel.prinsell@ocfl.net	407-836-7333
Kathy Furey-Tran	OC Attorney's Ofc.	Kathleen.Tran@ocfl.net	407-836-7333
Olan D. Hill	Planning Div.	olan.hilla@ocfl.net	407-836-5373
Mark Bertanani	VHB	Mbertanani@vhb.com	407-839-4006



**Meeting
Notes**

Attendees: Melody Butler – VHB
Laurence Lewis – VHB
Brian Sanders – OC Transportation Planning
Matt Suedmeyer – OC Parks and Recreation
Sara Forelle – OC Planning
Mark Dana – OC Transportation Planning
Robert Goff – OC Parks and Recreation
Diana Almodovar – OC Public Works
Micah Massaquoi – OC Public Works
Joe Kunkel – OC Public Works
Bill Thomas – Orange County, Parks and Rec
Mark Massaro – OC Public Works
Alex Deus – OC Parks and Recreation/Planning

Date/Time: Tuesday, March 18, 2014
3:00 PM – 4:00 PM

Project No.: 61785.03

Place: Orange County Public Works Building

Re: Staff Group Meeting #2

Notes: Melody Butler
taken by:

These meeting minutes are VHB's attempt at capturing the key discussion points, decisions, action items, and resolutions discussed at the meeting. If you would like to clarify or comment on any point, please notify L. Lewis by phone or email within 48 hours of this email distribution. ***If no comments are received within 48 hours, these meeting records will be assumed to serve as the official meeting record.***

The following are the key topics discussed at the meeting:

I. Previous Meeting Recap

The first staff meeting provided insight into the County's Approval Process. The County agreed that trails 10 feet wide along arterial roadways would be maintained by Public Works and that trails greater than 10 feet wide would be maintained by Parks. The Horizon West Trails Network will consist of Arterial trails, which will be maintained by Orange County, and local trails that will either be maintained by HOAs or an MSTU/MSBU. The Arterial Trails will connect villages together. The local trails will connect amenities within each village and to the Arterial network. Orange County Parks and Recreation prefers that the arterial trails are 14 feet wide, but the trails along CR 545 and Seidel Road are currently designed as 10 feet wide. It was decided that Senior Staff would reconvene to discuss what should be done about the arterial trails that do not conform to Parks' ideal trail standard. This meeting is scheduled for April 10.

II. Meeting Goals

The goal of this second meeting was to go over the Construction and Inspection process. Many of the trails within Horizon West have been designed and constructed as less than 14 feet wide. Parks would like to gain a better understanding of where in the approval and construction process these trail widths were permitted. The ultimate goal of this project is to determine a design standard for the arterial trails and a method of ensuring that there is no deviation from this standard. This will promote the uniformity of the Horizon West Trails Network.

III. Questions for Staff

a. What are the steps of the current review process?

1. The applicant submits construction plans to the County.
2. Each department reviews their respective plans and submits comments.
3. Review goes back to the applicant for changes.
4. Applicant resubmits until all departments approve plans.
5. Preconstruction Conference

b. At what point of the review process is Parks involved?

Parks currently reviews projects that involve new driveway crossings or when new utilities and jack and bore are needed. Because final trail widths are determined in the plat review, Parks has generally not had the opportunity to challenge the narrower trail widths. After the arterial trail standard is determined from this study, Public Works will require this standard be applied to new trails in Horizon West. It is expected that there will no longer be deviations from the approved typical section, except in those areas where there are physical constraints. If there are circumstances that warrant a variance, Parks should be involved.

IV. Other Discussion Items

- The trail width is identified in the PD and confirmed as part of the PSP prior to the construction plan review. Parks would like to see the new standard typical section shown on the construction plans.
- For special scenarios, the material and depth of the trails will be analyzed by the Orange County Construction group to ensure the structural standard of the trail is met.
- Parks would like the arterial trail standard to be 12 feet of asphalt with a 1-foot wide concrete ribbon curb on either side. Public Works has recently constructed asphalt trails on Lakeside Village Lane and Summerlake Park Blvd. These trails can provide an example of how Orange County has constructed asphalt trails.
- The local trails should be narrower but use the same materials as the arterial trails so that the trail network is uniform. The current standard for 10-foot wide sidewalks in Horizon West is the same as regular sidewalks: 4 inch concrete, 6 inches at driveway crossings.
- Construction plans will need to include signing and marking for areas where the trails cross roadways.
- There needs to be a policy that states Orange County will not be responsible for maintaining local trails, other than those that the County is currently maintaining. The maintenance responsibilities for local trails will be funded either through the HOAs or an MSTU/MSBU.

V. Review of Project Timeline

The original schedule for this project was to have a draft report submitted by mid-March. VHB needs input from senior staff regarding the non-conforming trails and the feasibility of issuing an MSTU/MSBU for local trails before moving forward with the remainder of the scope. As of this meeting, the earliest completion date of the final report would be early May.

VI. Action Items

- Diana to provide approved materials list for special design cases.
- Diana to provide construction details for Lakeside Village Lane and Summerlake Blvd trails.
- Senior Staff meeting to discuss how the County would like to approach the non-conforming trails within the Arterial Trails Network.
- Determine a funding mechanism for maintaining local trails. Either the HOA will fund the maintenance or an MSTU/MSBU will be established.
- VHB will create a new map series that will outline which trails shall be maintained by Public Works and Parks.

cc: Attendees
VHB File #61785.03




Horizon West Trails Plan

Presented to
Orange County – Staff Group Meeting #2

Presented by
Vanasse Hangen Brustlin, Inc.
March 18, 2014

Horizon West Trails Plan



Meeting Agenda

- I. Introductions and Project Background**
- II. Previous Meeting Recap**
- III. Meeting Goals**
- IV. Questions for Staff**
- V. Review of Project Timeline**
- VI. Next Steps**



Previous Meeting Recap

- Discussed the GIS data compiled by the County and provided insight into any discrepancies shown on map exhibits
- Public Works will maintain trails that are 10' wide or less and associated with an adjacent roadway
- Parks will maintain trails that are greater than 10' wide
- Arterial trails will connect villages together
- Local trails will connect amenities within each village and to the Arterial network



Actions Items and Outstanding Issues

- Senior Staff meeting to discuss how the County will address the following:
 - Non-conforming trails within the Arterial Trail Network
 - Trails currently under design or construction (CR 545 and Seidel Road)
- Will an MSTU/MSBU be set up for Local trails?
- New Collector category for trails?




Meeting Goals

- Obtain input from County regarding the Construction and Inspection process
- Identify key issues in existing process
- Identify next steps




Questions for Staff

- What is the County's step-by-step process for CEI (construction, engineering and inspection)?
 - Are there specific milestones?
 - How is the approval process documented?
- Are there variations in this process?
 - Trails within public ROW vs. private easement
 - Trails maintained by Parks vs. Public Works
- Which departments are involved in the CEI process?
- What issues, if any, require amendments to previous approvals (Plat and/or PSP)?

Horizon West Trails Plan 

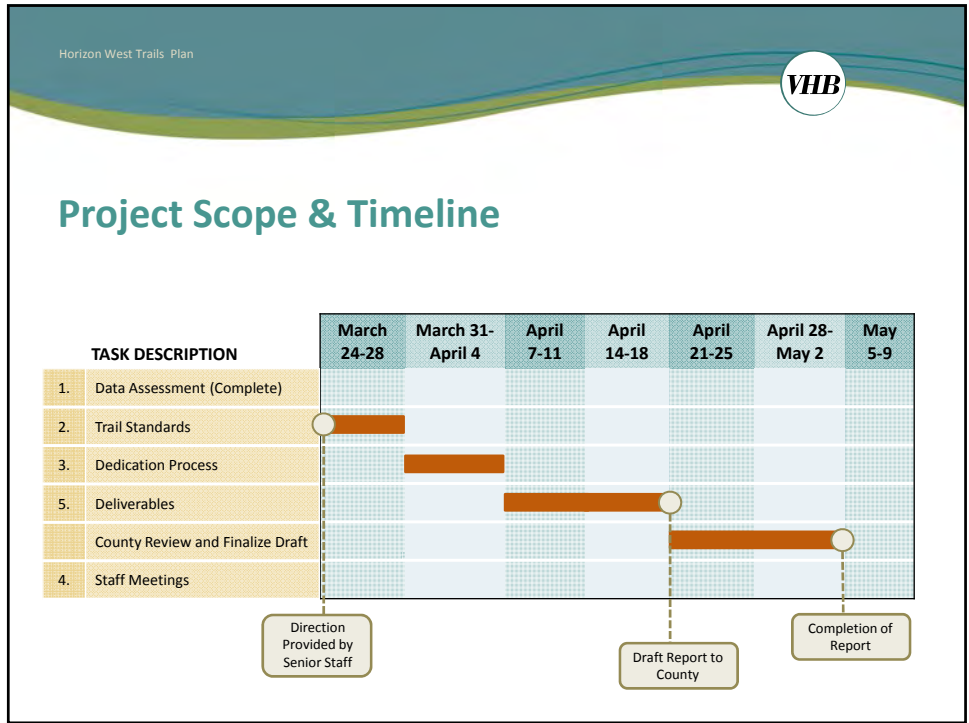
Project Scope & Timeline

- Task 1 – Data Assessment
- Task 2 – Trail Standards
- Task 3 – Dedication and Approval Process
- Task 4 – Meetings (PRAB, LPA, DRC, P&Z, BCC)
- Task 5 – Deliverables

Horizon West Trails Plan 

Project Scope & Timeline

- Originally an 8-week schedule with draft to be complete by mid-March
- Need input from senior staff to move forward with the schedule
- Scope is currently 50% complete



- Horizon West Trails Plan 
- ## Next Steps
- Draft report in early May pending direction from Senior Staff
 - Meetings beginning in May
 - Parks and Recreation Advisory Board
 - Local Planning Agency
 - Development Review Committee
 - Planning and Zoning Board
 - Board of County Commissioners



Horizon West Trails Plan

Presented to
Orange County – Staff Group Meeting #2

Presented by
Vanasse Hangen Brustlin, Inc.
March 18, 2014



HORIZON WEST TRAILS STUDY

Staff Group Meeting #2 – March 18, 2014 3:00pm-4:00pm
Sign In Sheet

NAME	COMPANY/ORGANIZATION	EMAIL	PHONE
Bob Goff	OCPR	ROBERT.GOFF@OCFL.NET	407-836-6234
Matt Svedmeyer	OCPR	Matt.Svedmeyer@ocfl.net	(407) 836-6202
Joe Kunkel	OCPW	joe.kunkel@ocfl.net	(407) 836-7972
BRIAN SANDERS	OC CEDS TP	BRIAN.SANDERS@OCFL.NET	407-836-8022
Bill Thomas	Parks & Rec.	Bill.Thomas@ocfl.net	407-836-6231
MARK DANA	OC CEDS TP	MARK.DANA@OCFL.NET	407-836-0231
Laurence Lewis	VHRB	llewis@vhrb.com	
Melody Butler	VHRB	mbutler@vhrb.com	
Micah Massaguer	OC PW	Micah.Massaguer@ocfl.net	407-836-7907
Sara Forelle	OC Planning	Sara.forelle@ocfl.net	407-836-5619
Alex Oeur	Parks & Rec/Planning	alex.oeur@ocfl.net	
Diana M. Almodovar	OC PW/Dev. Eng.	diana.almodovar@ocfl.net	407-836-7974
Mark Messera (on phone)			



C. Maintenance Responsibilities

Table C-1 - Parks and Recreation Maintained Trails

OBJECT ID	Status	Width (feet)	Surface Type	Within ROW?	Maintenance Party	Length (miles)
1	Existing Local Trail	8	Concrete	N	Parks and Recreation	0.005008
115	Existing Local Trail	10	Asphalt	N	Parks and Recreation	0.214887
117	Existing Local Trail	8	Concrete	N	Parks and Recreation	0.272454
118	Existing Local Trail	14	Asphalt	N	Parks and Recreation	0.138433
119	Existing Local Trail	14	Asphalt	N	Parks and Recreation	0.017367
120	Existing Local Trail	8	Concrete	N	Parks and Recreation	0.016543
121	Existing Local Trail	8	Concrete	N	Parks and Recreation	0.017001
122	Existing Local Trail	14	Asphalt	N	Parks and Recreation	0.151958
123	Existing Local Trail	14	Asphalt	N	Parks and Recreation	0.032193
124	Existing Local Trail	8	Asphalt	N	Parks and Recreation	0.017195
125	Existing Local Trail	8	Asphalt	N	Parks and Recreation	0.017213
126	Existing Local Trail	14	Concrete	N	Parks and Recreation	0.110444
127	Existing Local Trail	8	Concrete	N	Parks and Recreation	0.229267
128	Existing Local Trail	14	Asphalt	N	Parks and Recreation	0.919713
129	Existing Local Trail	8	Asphalt	N	Parks and Recreation	0.158868
130	Existing Local Trail	8	Asphalt	N	Parks and Recreation	0.094878
131	Existing Local Trail	8	Asphalt	N	Parks and Recreation	0.007307
136	Existing Local Trail	9	Asphalt	N	Parks and Recreation	0.088299
138	Existing Local Trail	14	Asphalt	Y	Parks and Recreation	0.084702
174	Existing Arterial Trail	14	Asphalt	N	Parks and Recreation	0.396559
180	Existing Local Trail	8	Concrete	N	Parks and Recreation	0.278186
189	Existing Local Trail	14	Asphalt	Y	Parks and Recreation	0.050405
193	Existing Local Trail	14	Asphalt	Y	Parks and Recreation	0.39883
198	Existing Arterial Trail	14	Asphalt	N	Parks and Recreation	0.195661
202	Existing Arterial Trail	14	Asphalt	Y	Parks and Recreation	2.099479
212	Existing Arterial Trail	10	Asphalt	Y	Parks and Recreation	0.358647
218	Existing Local Trail	5	Concrete	N	Parks and Recreation	0.028788
232	Existing Arterial Trail	10	Asphalt	Y	Parks and Recreation	0.170506
255	Existing Local Trail	8	Concrete	N	Parks and Recreation	0.183267
258	Existing Arterial Trail	5	Concrete	N	Parks and Recreation	0.314151
259	Existing Arterial Trail	14	Asphalt	N	Parks and Recreation	0.329368
269	Existing Local Trail	10	Asphalt	Y	Parks and Recreation	0.171831
270	Existing Arterial Trail	5	Concrete	N	Parks and Recreation	0.126514
281	Existing Local Trail	8	Concrete	N	Parks and Recreation	0.199392
282	Existing Local Trail	8	Concrete	N	Parks and Recreation	0.486222
Existing Trails Total						8.381536
200	Proposed Arterial Trail	14	Concrete	N	Parks and Recreation	0.262004
207	Proposed Local Trail	14	Concrete	N	Parks and Recreation	0.184506
209	Proposed Local Trail	14	Concrete	N	Parks and Recreation	1.587235
219	Future Local Trail	10	Concrete	N	Parks and Recreation	0.804324
220	Future Local Trail	10	Concrete	N	Parks and Recreation	0.841478
224	Future Local Trail	10	Concrete	N	Parks and Recreation	2.312911
225	Future Local Trail	10	Concrete	N	Parks and Recreation	0.712861
236	Future Local Trail	10	Concrete	N	Parks and Recreation	0.992155
238	Future Local Trail	14	Concrete	N	Parks and Recreation	0.355802

OBJECT ID	Status	Width (feet)	Surface Type	Within ROW?	Maintenance Party	Length (miles)
245	Proposed Local Trail	10	Concrete	N	Parks and Recreation	1.22579
246	Proposed Local Trail	10	Concrete	N	Parks and Recreation	1.311366
256	Future Local Trail	14	Concrete	N	Parks and Recreation	0.298739
263	Future Arterial Trail	10	Concrete	N	Parks and Recreation	0.144733
264	Future Arterial Trail	10	Concrete	N	Parks and Recreation	0.08759
Proposed Trails Total						11.121494
TOTAL						19.50303

Table C-2 - Public Works Maintained Trails

OBJECT ID	Status	Width (feet)	Surface Type	Within ROW?	Maintenance Party	Length (miles)
132	Existing Local Trail	8	Concrete	Y	Public Works	0.165914
133	Existing Local Trail	8	Concrete	Y	Public Works	0.113597
134	Existing Local Trail	8	Concrete	Y	Public Works	0.004275
135	Existing Arterial Trail	10	Concrete	Y	Public Works	1.723959
137	Existing Local Trail	8	Concrete	Y	Public Works	0.613194
140	Existing Local Trail	8	Concrete	Y	Public Works	0.021612
141	Existing Local Trail	8	Concrete	Y	Public Works	0.398906
142	Existing Local Trail	8	Concrete	Y	Public Works	0.430817
143	Existing Local Trail	8	Concrete	Y	Public Works	0.029231
144	Existing Local Trail	8	Concrete	Y	Public Works	0.903459
145	Existing Local Trail	8	Concrete	Y	Public Works	0.029741
146	Existing Local Trail	8	Concrete	Y	Public Works	0.022474
147	Existing Local Trail	8	Concrete	Y	Public Works	0.349623
148	Existing Local Trail	8	Concrete	Y	Public Works	0.014807
149	Existing Local Trail	8	Concrete	Y	Public Works	0.0147
150	Existing Local Trail	8	Concrete	Y	Public Works	0.028201
151	Existing Arterial Trail	8	Concrete	Y	Public Works	0.247295
152	Existing Arterial Trail	8	Concrete	Y	Public Works	0.223077
153	Existing Local Trail	8	Concrete	Y	Public Works	0.192842
154	Existing Arterial Trail	8	Concrete	Y	Public Works	0.39681
155	Existing Arterial Trail	10	Concrete	Y	Public Works	1.245146
181	Existing Local Trail	8	Concrete	Y	Public Works	0.380087
182	Existing Local Trail	5	Concrete	Y	Public Works	0.095118
183	Existing Local Trail	8	Concrete	Y	Public Works	0.290092
184	Existing Local Trail	8	Concrete	Y	Public Works	0.093907
187	Existing Local Trail	8	Concrete	Y	Public Works	0.218341
192	Existing Local Trail	10	Concrete	Y	Public Works	0.187624
199	Existing Arterial Trail	10	Concrete	Y	Public Works	1.296041
229	Existing Arterial Trail	5	Concrete	Y	Public Works	0.449176
234	Existing Arterial Trail	5	Concrete	Y	Public Works	0.863356
237	Existing Local Trail	7	Concrete	Y	Public Works	1.872915
254	Existing Local Trail	8	Concrete	Y	Public Works	0.252641
257	Existing Arterial Trail	5	Concrete	Y	Public Works	0.08333
260	Existing Arterial Trail	5	Concrete	Y	Public Works	0.067891
266	Existing Local Trail	14	Concrete	Y	Public Works	0.174207
268	Existing Arterial Trail	5	Concrete	Y	Public Works	0.30275
271	Existing Arterial Trail	10	Concrete	Y	Public Works	0.334231
273	Existing Arterial Trail	7	Concrete	Y	Public Works	0.654985
274	Existing Local Trail	8	Concrete	Y	Public Works	0.228626
275	Existing Local Trail	7	Concrete	Y	Public Works	0.632228
277	Existing Local Trail	8	Concrete	Y	Public Works	0.264287
278	Existing Local Trail	8	Concrete	Y	Public Works	0.246015
Existing Trails Total						16.157528
210	Proposed Arterial Trail	14	Concrete	Y	Public Works	0.773093
221	Future Local Trail	10	Concrete	Y	Public Works	1.577611

OBJECT ID	Status	Width (feet)	Surface Type	Within ROW?	Maintenance Party	Length (miles)
222	Future Local Trail	10	Concrete	Y	Public Works	0.081547
223	Proposed Local Trail	10	Concrete	Y	Public Works	1.740375
226	Future Arterial Trail	14	Concrete	Y	Public Works	2.5933
227	Future Arterial Trail	10	Concrete	Y	Public Works	4.432735
228	Future Arterial Trail	10	Concrete	Y	Public Works	2.081276
230	Future Arterial Trail	10	Concrete	Y	Public Works	1.340918
231	Future Arterial Trail	10	Concrete	Y	Public Works	0.567855
235	Future Local Trail	10	Concrete	Y	Public Works	0.643037
247	Proposed Arterial Trail	10	Concrete	Y	Public Works	1.868365
248	Proposed Arterial Trail	10	Concrete	Y	Public Works	0.46208
249	Proposed Arterial Trail	10	Concrete	Y	Public Works	0.197839
250	Proposed Arterial Trail	10	Concrete	Y	Public Works	0.253752
251	Proposed Local Trail	10	Concrete	Y	Public Works	0.264042
261	Future Arterial Trail	10	Concrete	Y	Public Works	1.03082
262	Future Arterial Trail	10	Concrete	Y	Public Works	0.180598
265	Future Arterial Trail	10	Concrete	Y	Public Works	0.558248
285	Proposed Local Trail	10	Concrete	Y	Public Works	0.888095
Proposed Trails Total						21.535586
TOTAL						37.693114

Table C-3 - HOA Maintained Trails

OBJECT ID	Status	Width (feet)	Surface Type	Within ROW?	Maintenance Party	Length (miles)
116	Existing Local Trail	8	Concrete	N	HOA	0.068937
139	Existing Local Trail	14	Concrete	N	HOA	0.06656
157	Existing Local Trail	10	Asphalt	N	HOA	0.26486
158	Existing Local Trail	10	Concrete	N	HOA	0.143417
159	Existing Local Trail	10	Concrete	N	HOA	0.39372
160	Existing Arterial Trail	10	Concrete	Y	HOA	0.099826
161	Existing Arterial Trail	10	Concrete	Y	HOA	0.276222
162	Existing Local Trail	14	Asphalt	Y	HOA	0.099316
165	Existing Local Trail	14	Asphalt	N	HOA	0.268083
168	Existing Local Trail	14	Asphalt	N	HOA	0.108629
172	Existing Local Trail	14	Asphalt	N	HOA	0.204081
175	Existing Local Trail	14	Asphalt	N	HOA	0.346327
177	Existing Local Trail	8	Concrete	N	HOA	0.395289
178	Existing Arterial Trail	10	Asphalt	N	HOA	0.537994
179	Existing Arterial Trail	10	Concrete	Y	HOA	0.787252
185	Existing Local Trail	14	Asphalt	N	HOA	0.879028
186	Existing Arterial Trail	14	Asphalt	N	HOA	0.526961
188	Existing Local Trail	10	Concrete	Y	HOA	0.704456
190	Existing Local Trail	14	Asphalt	N	HOA	0.137578
194	Existing Local Trail	12	Asphalt	Y	HOA	0.140406
195	Existing Local Trail	14	Asphalt	Y	HOA	0.252846
196	Existing Local Trail	14	Concrete	Y	HOA	0.244167
197	Existing Arterial Trail	10	Asphalt	Y	HOA	0.250084
201	Existing Local Trail	14	Asphalt	N	HOA	1.113742
203	Existing Arterial Trail	10	Asphalt	N	HOA	0.103224
204	Existing Local Trail	8	Concrete	N	HOA	0.111104
206	Existing Arterial Trail	10	Asphalt	Y	HOA	1.081323
213	Existing Local Trail	8	Concrete	N	HOA	0.170948
214	Existing Local Trail	8	Concrete	N	HOA	0.16891
215	Existing Local Trail	8	Concrete	N	HOA	0.207966
216	Existing Local Trail	8	Concrete	Y	HOA	0.048779
217	Existing Local Trail	5	Concrete	N	HOA	0.062161
240	Existing Arterial Trail	10	Asphalt	Y	HOA	0.350366
242	Existing Local Trail	14	Asphalt	N	HOA	0.229268
244	Existing Arterial Trail	10	Concrete	Y	HOA	0.434566
252	Existing Local Trail	14	Asphalt	Y	HOA	0.094146
253	Existing Local Trail	14	Asphalt	N	HOA	0.046759
267	Existing Local Trail	5	Concrete	N	HOA	0.04102
276	Existing Local Trail	8	Concrete	N	HOA	0.214902
279	Existing Local Trail	8	Concrete	N	HOA	0.108834
280	Existing Local Trail	8	Concrete	Y	HOA	0.406883
Existing Trails Total						12.19094
156	Proposed Local Trail	10	Concrete	N	HOA	0.285959
163	Proposed Local Trail	14	Asphalt	N	HOA	0.142184
164	Proposed Local Trail	14	Concrete	N	HOA	0.333971

166	Proposed Local Trail	14	Asphalt	N	HOA	0.039021
167	Proposed Local Trail	14	Concrete	N	HOA	0.695301
169	Proposed Arterial Trail	14	Concrete	Y	HOA	0.68404
170	Proposed Local Trail	14	Concrete	N	HOA	0.125899
171	Proposed Local Trail	14	Concrete	N	HOA	0.094859
173	Proposed Local Trail	14	Concrete	N	HOA	0.212781
176	Proposed Local Trail	14	Concrete	N	HOA	0.620744
191	Proposed Arterial Trail	10	Concrete	Y	HOA	2.233902
205	Proposed Local Trail	10	Concrete	N	HOA	0.249306
208	Proposed Local Trail	14	Concrete	N	HOA	0.411892
211	Proposed Local Trail	10	Concrete	Y	HOA	0.39059
239	Future Local Trail	10	Concrete	Y	HOA	0.486541
241	Proposed Local Trail	14	Concrete	N	HOA	0.39043
243	Proposed Arterial Trail	10	Concrete	Y	HOA	0.403783
Proposed Trails Total						7.801203
TOTAL						19.992143