

Coordinating Improvements

Bus Stop Inventory and Maintenance Application

Overview

- Introductions
- Background of Project
- New Approach

Project Team

- Rob Gregg CUTR Deputy Director Transit Team
- Bill Morris, CUTR Transit Team
- Justin Begley, CUTR Transit Team
- Martin Catala, CUTR GIS Team
- Martin Akerman, CUTR GIS Team

- Polk TPO
- Florida DoT District 1
- City of Lakeland

Background

- Bus Stop Inventory Data Collection Effort
 - GPS and Photo of each stop
 - 1500 points of data with 25 fields of data
- Multiple transit agencies
 - Coordination of data difficult


Polk County Bus Stop Data

- History
 - Collected rich resource of data 2005

Back to Search		Status/Location		Land Use			
Stop ID:	6	County:	Lake Alfred		X	Industrial:	X
Old Stop ID:	R1017060	Municipality:	Lake Alfred		X	Medical:	X
Verified?:	✓	Location Other:			✓	Senior Center:	X
System:	LAMTD	Cross Streets:	US 1792 & WEST ECHO		X	Other Land Use:	X
Status:		Location:		Scoring			
Speed Limit:	45	Position:	NEARSIDE	Premium:	No (+0 Points)	School:	No (+0 Points)
				Intermodal:	No (+0 Points)	Multi-purpose Trail:	No (+0 Points)
				Traffic Potential:	High (+10 Points)	Score:	10
				Sprinkle Rank:	4	TPO Rank:	777
Amenities							
Route Sign:	✓	Bench:	No Bench				
Display:	X	Shelter:	No Shelter				
Advertising:	X	Bike Rack:	X				
Newspaper:	X	Trash:	No Trash Can Present				
Payphone:	X	Lighting:	✓				

Result?

- Stop Inventory tool
 - Query
 - Edit
 - Add
- Dormant application
- Insufficient application
 - How useful is it?

Back to Search	Status/Location		
Stop ID:	13	County:	
Old Stop ID:	R10114067	Municipality:	Winter Haven
Verified?:	✓	Location Other:	
System:	LAMTD	Cross Streets:	US 17 & AVE Z NW
Status:		Location:	
Speed Limit:	45	Position:	NEAR SIDE
Routes Served			
Usage			
Stop Type:		Avg. Activity:	0
Routes Served	0	Activity Ranking:	101+ Ranking
Amenities			
Route Sign:	✓	Bench:	No Bench
Display:	X	Shelter:	No Shelter
Advertising:	X	Bike Rack:	X
Newspaper:	X	Trash:	No Trash Can Present
Payphone:	X	Lighting:	✓
Connectivity			
Adjacent Land Use:	N	Nearest Crosswalk:	N
Nearest Intersection:	N	Other Connectivity:	N
Infrastructure			
Pavement Edge:	Grass Edge	Sidewalk Width:	
Drainage:	Other Drainage	Sidewalk Condition:	No Sidewalk
Curb Ramp:	1	Pedestrian Crossing:	X
ADA Pad:	X	ROW Owner:	
Land Use			
SF Residential:	X	Industrial:	X
MF Residential:	✓	Medical:	X
Commercial:	X	Senior Center:	X
Institutional:	X	Other Land Use:	X

Multiple Iterations of Data

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD				
1	UID	ROUTE	CL	Seq	Stop	On Street	AO	Placement	Shelter	Bench	Trash	Can	Area	Light	Nearby	Phone	Parking	Info	Kiosk	Subway	Loading	Pat	Club	Out	ADA	Trees	Lat	Long	Misc	Notes	Int	Update	Update
14	4	13	30012		30012	Lake Martha Dr	Ave E	Nearside	0	0	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	Not Accessible	No	28 0272	-81 7185			15/2009	Down	Sunt
15	4	14	30013		30013	Lake Martha Dr	Ave B	Nearside	0	0	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Not Accessible	No	28 02427168	-81 71867788			15/2009	Down	Sunt
16	4	15	30014		30014	Lake Martha Dr	Central Ave	Nearside	0	1	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Not Accessible	Yes	28 02281601	-81 71882077			15/2009	Down	Sunt
17	4	16	30015		30015	6th St	Central Ave	Nearside	1	1	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	Yes	Accessible	No	28 02191601	-81 71888022			15/2009	Down	Sunt
18	4	17	30016		30016	6th St	Ave A	Nearside	0	0	No	Yes	No	No	No	No	No	No	No	No	No	No	No	Yes	Not Accessible	Yes	28 02134515	-81 71970482			15/2009	Down	Sunt
19	4	18	30017		30017	6th St	Ave C	Nearside	0	0	No	Yes	No	No	No	No	No	No	No	No	No	No	No	Yes	Accessible	No	28 01881768	-81 71982002			15/2009	Down	Sunt
20	4	19	30018		30018	6th St	Ave E	Nearside	0	0	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	Not Accessible	No	28 01881642	-81 71982178			15/2009	Down	Sunt
21	4	20	30019		30019	6th St	Ave G	Nearside	0	1	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Not Accessible	Yes	28 015283	-81 71986092			15/2009	Down	Sunt
22	4	21	30020		30020	6th St	Ave K	Nearside	0	0	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	Not Accessible	Yes	28 0116581	-81 71971695			15/2009	Down	Sunt
23	4	22	30021		30021	Ave K	5th St	Nearside	0	0	No	Yes	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Accessible	No	28 01141253	-81 72038788			15/2009	Down	Sunt
24	4	23	30022		30022	Ave K	5th St	Med Block	0	1	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Accessible	No	28 01132883	-81 72164348			15/2009	Down	Sunt
25	4	24	30023		30023	Ave K	4th St	Nearside	0	0	No	Yes	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Accessible	No	28 01326623	-81 7229838			15/2009	Down	Sunt
26	4	25	30024		30024	Ave K	2nd St	Nearside	0	0	No	Yes	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Accessible	No	28 01132328	-81 72465032			15/2009	Down	Sunt
27	4	26	30025		30025	1st St	Center State Bank	Med Block	0	0	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Accessible	Yes	28 0108493	-81 72694645			15/2009	Down	Sunt
28	4	27	30026		30026	3rd St	Ave D	Nearside	0	0	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Not Accessible	No	28 0271902	-81 72424263			15/2009	Down	Sunt
29	4	28	30029		30029	Walnut	Cypress Gardens Blvd	Med Block	0	0	No	Yes	No	No	Yes	No	No	No	No	No	No	No	No	No	Not Accessible	No	28 00463305	-81 72319375			15/2009	Down	Sunt
30	4	29	30027		30027	4th St	Ave D	Nearside	0	0	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Not Accessible	No	28 0239344	-81 722239			15/2009	Down	Sunt
31	4	30	30028		30028	Cypress Gardens Blvd	4th St	Nearside	0	0	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Not Accessible	No	28 0239344	-81 722239			15/2009	Down	Sunt
32	4	31	30029		30029	Central Ave	Central Ave	Nearside	0	0	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	Not Accessible	No	28 0272	-81 7185			15/2009	Down	Sunt
33	4	32	30030		30030	Central Ave	Central Ave	Nearside	0	0	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	Not Accessible	No	28 0272	-81 7185			15/2009	Down	Sunt
34	4	33	22002		22002	6th St	Ave A	Nearside	0	0	No	Yes	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Accessible	No	28 02099	-81 7333	12/9/2008	Down	Sunt		
35	4	34	22003		22003	6th St	Ave C	Nearside	0	0	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	Yes	Accessible	No	28 01915	-81 7334	12/9/2008	Down	Sunt		
36	4	35	22004		22004	6th St	5th St	Nearside	0	0	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	Yes	Accessible	Yes	28 01659	-81 7323	12/9/2008	Down	Sunt		
37	4	36	22005		22005	6th St	Ave K	Nearside	0	0	No	Yes	No	No	No	No	No	No	No	No	No	No	No	Yes	Accessible	No	28 01143	-81 731	12/9/2008	Down	Sunt		
38	4	37	22006		22006	6th St	Ave D	Nearside	0	0	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	Yes	Accessible	No	28 0078	-81 7309	12/9/2008	Down	Sunt		
39	4	38	22007		22007	6th St	Post Ave	Nearside	0	0	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	Yes	Accessible	No	28 00536	-81 7308	12/9/2008	Down	Sunt		
40	4	39	22008		22008	6th St	Ave R	Nearside	0	0	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	Yes	Accessible	Yes	28 00424	-81 7311	12/9/2008	Down	Sunt		
41	4	40	22009		22009	HWY 17	Stewey Ave	Nearside	0	1	No	Yes	Yes	No	No	No	No	No	No	No	No	No	Yes	Yes	Accessible	No	27 99377	-81 7401	12/9/2008	Down	Sunt		
42	4	41	22010		22010	HWY 17	3rd Ave	Nearside	0	0	No	Yes	No	No	No	No	No	No	No	No	No	No	No	Yes	Accessible	No	27 99357	-81 7397	12/9/2008	Down	Sunt		
43	4	42	22011		22011	HWY 540	HWY 540	Nearside	0	1	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	Yes	Accessible	No	27 98854	-81 7462	12/9/2008	Down	Sunt		
44	4	43	22012		22012	HWY 17	Gibbet St	Nearside	0	1	No	Yes	No	No	No	No	No	No	No	No	No	No	Yes	Accessible	No	27 98328	-81 751	12/9/2008	Down	Sunt			
45	4	44	22013		22013	HWY 17	Plance Ave	Nearside	0	0	No	Yes	No	No	No	No	No	No	No	No	No	No	No	Not Access	No	27 98008	-81 754	12/9/2008	Down	Sunt			
46	4	45	22014		22014	HWY 17	Eagle Ave	Nearside	0	0	No	Yes	No	No	No	No	No	No	No	No	No	No	No	Not Access	No	27 97845	-81 7521	12/9/2008	Down	Sunt			
47	4	46	22015		22015	HWY 17	Central Ave	Nearside	0	1	No	Yes	No	No	No	No	No	No	No	No	No	No	No	Not Access	No	27 97975	-81 7579	12/9/2008	Down	Sunt			
48	4	47	22016		22016	HWY 17	McLeod Ave	Nearside	0	0	No	No	No	No	No	No	No	No	No	No	No	No	No	Not Access	No	27 97734	-81 758	12/9/2008	Down	Sunt			
49	4	48	22017		22017	HWY 17	Eagle Lake Cemetery Rd	Nearside	0	0	No	No	No	No	No	No	No	No	No	No	No	No	No	Not Access	No	27 97371	-81 764	12/9/2008	Down	Sunt			
50	4	49	22018		22018	HWY 17	Lake Malibu Rd	Nearside	0	0	No	No	No	No	No	No	No	No	No	No	No	No	No	Not Access	No	27 96503	-81 7735	12/9/2008	Down	Sunt			
51	4	50	22019		22019	HWY 17	Transport Rd	Nearside	0	0	No	No	No	No	No	No	No	No	No	No	No	No	No	Not Access	No	27 96077	-81 7781	12/9/2008	Down	Sunt			
52	4	51	22020		22020	HWY 17	Bomber Rd	Nearside	1	1	Yes	No	No	No	No	No	No	No	No	No	No	No	No	Not Access	No	27 96071	-81 7805	12/9/2008	Down	Sunt			
53	4	52	22021		22021	HWY 17	Gate Rd	Nearside	0	0	No	No	No	No	No	No	No	No	No	No	No	No	No	Not Access	No	27 96271	-81 7876	12/9/2008	Down	Sunt			
54	4	53	22022		22022	HWY 17	Radford Rd	Nearside	0	0	No	No	No	No	No	No	No	No	No	No	No	No	No	Not Access	No	27 94868	-81 7923	12/9/2008	Down	Sunt			
55	4	54	22023		22023	HWY 17	Orfin Rd	Nearside	1	1	Yes	No	No	No	No	No	No	No	No	No	No	No	Yes	Not Accessible	No	27 94418	-81 7985	12/9/2008	Down	Sunt			
56	4	55	22024		22024	HWY 17	Access from Durak	Med Block	0	0	No	No	No	No	No	No	No	No	No	No	No	No	No	Not Access	No	27 9399	-81 805	12/9/2008	Down	Sunt			
57	4	56	22025		22025	HWY 17	1st St	Nearside	0	0	No	No	No	No	No	No	No	No	No	No	No	No	No	Not Access	No	27 93864	-81 8078	12/9/2008	Down	Sunt			
58	4	57	22026		22026	HWY 17	Crossover Rd	Nearside	0	0	No	No	No	No	No	No	No	No	No	No	No	No	No	Not Access	No	27 93383	-81 8142	12/9/2008	Down	Sunt			
59	4	58	22027		22027	HWY 17	Access from Barlow Water Plant Entrance	Nearside	0	0	No	Yes	No	No	No	No	No	No	No	No	No	No	No	Not Access	No	27 92865	-81 8189	12/9/2008	Down	Sunt			
60	4	59	22028		22028	HWY 17	Access from MGP	Nearside	0	0	No	No	No	No	No	No	No	No	No	No	No	No	No	Not Access	No	27 91347	-81 8209	12/9/2008	Down	Sunt			
61	4	60	22029		22029	HWY 17	Access from Barlow Water Plant Entrance	Nearside	0	0	No	Yes	No	No	No	No	No	No	No	No	No	No	No	Not Access	No	27 92868	-81 8199	12/9/2008	Down	Sunt			
62	4	61	22030		22030	HWY 17	Access from MGP	Nearside	0	0	No	Yes	No	No	No	No	No	No	No	No	No	No	No	Not Access	No	27 91347	-81 8209	12/9/2008	Down	Sunt			
63	4	62	22031		22031	HWY 17	Access from Barlow Water Plant Entrance	Nearside	0	0	No	Yes	No	No	No	No	No	No	No	No	No	No	No	Not Access	No	27 92868	-81 8199	12/9/2008	Down	Sunt			
64	4	63	22032		22032	HWY 17	Access from MGP	Nearside	0	0	No	Yes	No	No	No	No	No	No	No	No	No	No	No	Not Access	No	27 91347	-81 8209	12/9/2008	Down	Sunt			
65	4	64	22033		22033	SR 60	Walnut Entrance	Nearside	0	0	No	Yes	No	No	No	No	No	No	No	No	No	No	No	Not Access	No	27 90427	-81 8348	12/9/2008	Down	Sunt			
66	4	65	22034		22034	SR 60	Wilson Ave	Nearside	0	0	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	Not Access	No	27 90418	-81 8409	12/9/2008	Down	Sunt			
67	4	66	22035																														

What went wrong?

- Needed broad based approach
 - More stakeholders
- One dimensional application
 - Editing and updating but then what?

New Approach

- Include more data stakeholders
- Understand data relevancy
 - Why is this data important?
 - What can we do with this data?
- Make Better Decisions?

Better Decision Making

- Prioritize Improvements
 - Based on Demand
 - ADA Policy Decisions
 - Grant Requirements
 - State Dollars to State Roads
 - Municipal Sidewalk improvements

Stop Improvement Program

- Improvements Based on Stops with highest needs
 - Stops with high needs are:
 - Stops with high ridership (Top 10%)
 - With little or no passenger amenities
 - Stops with Sidewalks but NO landing pad
- Minimum of information
- Scalable with more data

“Scoring”

DATA FIELDS:	Top 15% (0)	Sidewalk System (20)	5’x8’ Landing (15)	No Stop Hazard (10)	No improvement Request(15)
	16% - 50% (10)	No Curbcuts (-5)	5’ Min Sidewalk (5)	Shelter (2)	
	51% - 75% (15)	No Connector (-10)	Detectable Warning (5)	Bench (2)	
	Bottom 25% (20)			Trash (2)	
				Lighting (2)	
				Route Info (2)	
EVALUATION CRITERIA:	Boardings	Connectivity	ADA Accessibility	Safety	Improvement Request
VALUE:	20%	20%	25%	20%	15%
TOTAL SCORE	100%	(65% Stop Area Attributes / 35% Demand)			

How will rankings be presented?

- Lowest Stop Score (0 pts) = Highest Ranked for Improvement
 - A stop with a hazard, improvement request, lacking infrastructure and within top 15% of all boardings
- Highest Stop Score (100 pts) = Lowest Ranked for Improvement
 - A safe stop, with infrastructure, without an improvement request and little ridership

Query Interface (Preview)

- Filter and Query of data to access Ranked Stops

Filters

Filter by improvement need: »

Advanced Filters

Bench Present at Stop: »

Sign Present at Stop: »

Shelter Present at Stop: »

Trash Can Present at Stop: »

Servicing Route(s): »

Use Ctrl key to select
multiple routes

Select a Route...
Route 10
Route 11

Submit Query

Results (Preview)

Capital Improvement Interface - Overall Evaluation

Overall Score	Location of Stop	Additional Location Information	Placement Routes Served	System
2	Martin Luther King Jr. Ave. & W. 7th St.	SE corner	50,56	LAMTD
2	N. Lincoln Ave. & W. 10th St.	SE corner	50,56	LAMTD
2	N. Webster Ave. & W. 10th St.	SE corner	50,56	LAMTD
2	Martin Luther King Jr. Ave. & W. 10th St.	NW corner (Coney Funeral Home)	50,56	LAMTD
2	Martin Luther King Jr. Ave. & Pear St.	NW corner	50,56	LAMTD
2	Martin Luther King Jr. Ave. & Emma St.	SE corner	56	LAMTD
4	W. 10th St. & Providence Rd.	NW corner	42,56	LAMTD
4	Martin Luther King Jr. Ave. & W. Magnolia St.	SE corner	50,56	LAMTD
4	Martin Luther King Jr. Ave. & W. 5th St.	SE corner	50,56	LAMTD
4	Martin Luther King Jr. Ave. & Myrtle St.	NW corner	50,56	LAMTD
6	Martin Luther King Jr. Ave. & Silver St.	NW corner (In front of Coleman Bush Building)	50,56	LAMTD
8	200 North Florida Ave.	Lakeland Downtown Terminal	10,11,20,21,22L,30,31,40,41,42,50,51,52,53,56,57	LAMTD
12	Mall Hill Dr.	Entrance to Victory Church on eastside of st.	50,56	LAMTD
12	Martin Luther King Jr. Ave. & W. 8th St.	NW corner (800 block)	50,56	LAMTD
12	Martin Luther King Jr. Ave. & W. 6th St.	NW corner (600 block)	50,56	LAMTD
12	Martin Luther King Jr. Ave. & Parker St.	SE corner	56	LAMTD
12	W. 10th St. & Amos Ave.	NW corner	56	LAMTD
12	1045 W. 10th St.	Northside of the street	56	LAMTD
12	Kathleen Rd. & Montrose Ave.	NW corner	56	LAMTD

Interface (Preview)

ABOUT US

BOARDS & COMMITTEES

MEETINGS & EVENTS

PRESS RELEASES

PLANS & PROJECTS

POLK ROAD DATA

LONG RANGE PLANS

DOWNLOADS

GIS DATA AND MAPS

CONTACT US

Home » Stop Results

Bus Stop # 1179

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Polk Community College

Stop Amenities			
Sign	0	Bench	0
Shelter	0	Trash	0
Service			
Board	3	Alight	3
On Board	263	System	PCTS
Routes			
Serving Routes	30		
Scoring/Rank			
Overall Score	0	ADA Compliance Score	0
Safety Score	0	Demand Score	0
Improvement Score	0	Connectivity Score	0

Interface (preview)



Future Steps

- Evaluate Scoring
 - How realistic is the scoring values
- Perform User Interface Tests
- Develop Export and Import functions
- Develop user manual
- Launch site

Questions

Contact information

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