

From: Ken Fischer
To: Chumley, John
Date: 3/28/2012 8:08 AM
Subject: Recently Passed Bus Bench Legislation
Attachments: New Legislation Regarding Bus Benches.docx

Gif,

Please find attached portions of Florida HB 599 pertaining to bus benches.

Ken

Ken Fischer
General Manager
Votran
950 Big Tree Road
South Daytona, FL 32119
(386) 756-7496, ext. 4126
kfischer@co.volusia.fl.us

337.408 Regulation of bus stops, benches, transit 2493 shelters, street light poles, waste disposal receptacles, and 2494 modular news racks within rights-of-way.- 2495

(1) Benches or transit shelters, including advertising 2496 displayed on benches or transit shelters, may be installed 2497 within the right-of-way limits of any municipal, county, or 2498 state road, except a limited access highway, provided that such 2499 benches or transit shelters are for the comfort or convenience 2500 of the general public or are at designated stops on official bus 2501 routes and provided that written authorization has been given to 2502 a qualified private supplier of such service by the municipal 2503 government within whose incorporated limits such benches or 2504 transit shelters are installed or by the county government 2505 within whose unincorporated limits such benches or transit 2506 shelters are installed. A municipality or county may authorize 2507 the installation, without public bid, of benches and transit 2508 shelters together with advertising displayed thereon within the 2509 right-of-way limits of such roads. All installations shall be in 2510 compliance with all applicable laws and rules, including, 2511 without limitation, the Americans with Disabilities Act. 2512 Municipalities and counties that authorize or have authorized a 2513 bench or transit shelter to be installed within the right-of-way 2514 limits of any road on the State Highway System shall be 2515 responsible for ensuring that the bench or transit shelter 2516 complies with all applicable laws and rules, including, without 2517 limitation, the Americans with Disabilities Act, or shall remove 2518 the bench or transit shelter. The department shall have no 2519 liability for any claims, losses, costs, charges, expenses, 2520 ☐ ENROLLED

CS/CS/CS/HB 599, Engrossed 2 2012 Legislature CODING: Words stricken are deletions; words underlined are additions. hb0599-06-er Page 91 of 188 FLORIDA HOUSE OF REPRESENTATIVES

damages, liabilities, attorney fees, or court costs relating to
2521 the installation, removal, or relocation of any benches or
2522 transit shelters authorized by a municipality or county. On
and 2523 after July 1, 2012, a municipality or county that
authorizes a 2524 bench or transit shelter to be installed within
the right-of-way 2525 limits of any road on the State Highway
System must require the 2526 qualified private supplier, or any
other person under contract 2527 to install the bench or transit
shelter, to indemnify, defend, 2528 and hold harmless the
department from any suits, actions, 2529 proceedings, claims,
losses, costs, charges, expenses, damages, 2530 liabilities,
attorney fees, and court costs relating to the 2531 installation,
removal, or relocation of such installations, and 2532 shall
annually certify to the department in a notarized signed 2533
statement that this requirement has been met. The certification
2534 shall include the name and address of each person responsible
2535 for indemnifying the department for an authorized
installation. 2536 Municipalities and counties that have authorized
the 2537 installation of benches or transit shelters within the
right-of-2538 way limits of any road on the State Highway System
must remove 2539 or relocate, or cause the removal or relocation
of, the 2540 installation at no cost to the department within 60
days after 2541 written notice by the department that the
installation is 2542 unreasonably interfering in any way with the
convenient, safe, 2543 or continuous use of or the maintenance,
improvement, extension, 2544 or expansion of the State Highway
System road. Any contract for 2545 the installation of benches or
transit shelters or advertising 2546 on benches or transit shelters
which was entered into before 2547 April 8, 1992, without public
bidding is ratified and affirmed. 2548 ☐ ENROLLED CS/CS/CS/HB 599,

Engrossed 2 2012 Legislature CODING: Words stricken are deletions; words underlined are
additions. hb0599-06-er Page 92 of 188 FLORIDA HOUSE OF REPRESENTATIVE
S

Such benches or transit shelters may not interfere with right-of-way preservation and maintenance. Any bench or transit shelter located on a sidewalk within the right-of-way limits of any road on the State Highway System or the county road system shall be located so as to leave at least 36 inches of clearance for pedestrians and persons in wheelchairs. Such clearance shall be measured in a direction perpendicular to the centerline of the road.

(4) The department has the authority to direct the immediate relocation or removal of any bus stop, bench, transit shelter, waste disposal receptacle, public pay telephone, or modular news rack that endangers life or property or that is otherwise not in compliance with applicable laws and rules, except that transit bus benches that were placed in service before April 1, 1992, are not required to comply with bench size and advertising display size requirements established by the department before March 1, 1992. Any transit bus bench that was in service before April 1, 1992, may be replaced with a bus bench of the same size or smaller, if the bench is damaged or destroyed or otherwise becomes unusable. The department may adopt rules relating to the regulation of bench size and advertising display size requirements. If a municipality or county within which a bench is to be located has adopted an ordinance or other applicable regulation that establishes bench size or advertising display sign requirements different from requirements specified in department rule, the local government requirement applies within the respective municipality or county. Placement of any bench or advertising display on the

□ **ENROLLED CS/CS/CS/HB 599, Engrossed 2 2012**
Legislature CODING: Words stricken are deletions; words underlined are additions. hb0599-06-er Page 93 of 188 FLORIDA HOUSE OF REPRESENTATIVES

National Highway System under a local ordinance or regulation 2577 adopted under this subsection is subject to approval of the 2578 Federal Highway Administration. 2579

(5) A bus stop, bench, transit shelter, waste disposal 2580 receptacle, public pay telephone, or modular news rack, or 2581 advertising thereon, may not be erected or placed on the right-2582 of-way of any road in a manner that conflicts with the 2583 requirements of federal law, regulations, or safety standards, 2584 thereby causing the state or any political subdivision the loss 2585 of federal funds. Competition among persons seeking to provide 2586 bus stop, bench, transit shelter, waste disposal receptacle, 2587 public pay telephone, or modular news rack services or 2588 advertising on such benches, shelters, receptacles, public pay 2589 telephone, or news racks may be regulated, restricted, or denied 2590 by the appropriate local government entity consistent with this 2591 section. 2592

From: Jim Dorsten
To: Fischer, Ken
Date: 4/17/2012 8:08 AM
Subject: business plan
Attachments: votran business plan.doc

Ken
Attached is the plan
Jim

Votran

Business Review

February 2012

Revenues

1.Fixed Route

Fare box is running at 7.4% over Budget which coincides with the increase in ridership

The Fare Box recovery rate is 20.4% of Fixed Route cost.

The Fares that have increase the most over last year are Fare Box cash fares is up 4.6%, 1day passes are up 5.9%, 31 day pass is up 6.2%.

2. Para Transit

Fare box is running at 4.6% over Budget. Ridership is up over Budget by 1.8%

The Fare Box recovery rate for Para Transit is 7.5%.

3.Other

Van Pool is down in revenue by 60%

Waverly had come in with \$10,000 more in advertising revenue than budgeted.

Operating Results

1.Operations and Maintenance

Operations and Maintenance are under budget by 5.7%.

The cost per total hour is down 14%

The cost per Revenue hour is up 1.9%

The increase in fuel has not impacted this yet because in February we were still paying prices at what the budget was set.

Facility maintenance supply cost is down 24%

Overtime Fixed Route Drivers Last Year Avg. 6.6% This year Avg. 4.62% Budget 4.25%

Maintenance Last Year Avg. 6.82% This year Avg. 3.94% Budget 5%

Para Transit Drivers Last Year Avg. 7.31% This year Avg. 7.39% Budget 4.50%

Fixed Route Clerical Last Year Avg. 10.07% This Year Avg. 7.51%
Budget 5%

Para Transit Clerical Last Year Avg. 3.82% This Year Avg. 3.05%
Budget 5%

Maintenance Clerical Last Year Avg. 15.38% This Year Avg. 11.69%
Budget 6%

2. Administration

There isn't any significant variance in Administration once you back out the claims expense budget that has not been used.

Administration Clerical Last Year 2.9% This Year 2.5% Budget 3.8%

3. Planning, Customer Service Marketing

Commuter vans over budget by 4.7%

Printing is under budget by 8%.

Advertising is under by 36%.

4. Human Resources

Legal expenses we are under budget by 30%

Medical (physicals) we are under by 15%.

Misc (plaques CDL Awards, etc) over 51%

Legal

1. Getting Contracts done on such things as GFI system, coming up West side facility

Procurement

1. GFI
2. West side facility

Technology

1. New fuel tracking system
2. Also bus stop inventory tracking system

Federal/State Grant Challenges

1. Keeping getting projects done to close out old grants.

From: Tura Schnebly
To: Suchsland, Elizabeth
CC: Chumley, John; Jennings, Jeaniene
Date: 5/16/2012 3:15 PM
Subject: Tindle Oliver consultants re: bus bench

Has a scope of work been completed for the vendor and is a written contract in place?

From: Elizabeth Suchsland
To: Schnebly, Tura
CC: Chumley, John; Jennings, Jeaniene
Date: 5/16/2012 3:24 PM
Subject: Tindle Oliver consultants re: bus bench

Votran staff is working with Tindale Oliver on completing the scope of work. A written contract is not yet in place.

Elizabeth Suchsland
Assistant General Manager of Operations and Maintenance
VOTRAN
950 Big Tree Road
South Daytona, FL 32119
Telephone: 386-763-3727
Fax: 386-756-7487
Cell - 386-216-6983

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>>> Tura Schnebly 5/16/2012 3:15 PM >>>

Has a scope of work been completed for the vendor and is a written contract in place?

From: John Chumley
To: Fischer, Ken
CC: Schnebly, Tura; Tavano, Ann
Date: 6/21/2012 10:35 AM
Subject: Tindale Oliver Contract and ADA-Compliant Bus Bench Design
Attachments: Chumley, John.vcf

Ken,

Pursuant to our telephone conversation yesterday, please note that Objective 2.1.5. of the Transportation Element of Volusia County's Comprehensive Plan calls upon Volusia County and VOTRAN to provide, among other things, passenger amenities and accommodation of the special needs of the transportation disadvantaged. Policy 2.1.5.9. requires Volusia County to coordinate with VOTRAN to ensure that the transportation disadvantage population is adequately served. Policy 2.1.5.4. further calls upon Volusia County to coordinate with VOTRAN to provide passenger amenities along major public transportation corridors. Other similar policies may be found under Objective 2.1.5.

Insofar as we've contracted with Tindale Oliver to conduct field work and analysis to implement the County's planning program (i.e., the Comprehensive Plan) and develop policies and design guidelines consistent therewith (see Scope of Services for Contract No. 11-SQ-162SR), I do believe we should be able to provide Tindale Oliver with a task assignment under our present contract to provide the design guidelines for the RFP for ADA-compliant bus benches.

Best regards,

J. Giffin Chumley
Assistant County Attorney
Legal Department
County of Volusia
123 West Indiana Avenue
DeLand, Florida 32720-4613
Voice: (386) 736-5950
Fax: (386) 736-5990
e-mail: jchumley@co.volusia.fl.us

From: Jim Brown <jimb@waverlymedia.com>
To: Robert Davenport <rdavenport@co.volusia.fl.us>
CC: Elizabeth Suchsland <ESuchsland@co.volusia.fl.us>, Heather Blanck <HBlan...>
Date: 5/23/2012 12:08 PM
Subject: Re: 4 benches need to be moved-Orange City

Hello Bob,

As discussed, we will be approaching City Council in Orange City to remedy the problem. We have been dealing with Orange City staff, even meeting with the City Manager, and City Attorney in an effort to resolve the issue concerning these benches and others located in Unincorporated Volusia County, which are being claimed as part of Orange City's DPA. It is an unusual situation here, as these are all sites on our Volusia County list for which the County/Votran has been paid thousands of dollars in contractual commissions over the past few years. We will pursue a resolution as quickly as possible. Sorry we can't solve this one as promptly and efficiently as in the past. Personally, I find it somewhat discourteous the City Manager did not even respond to our last email to her, or schedule a follow up meeting, as we agreed to, in an effort to reach a mutually beneficial resolution.

Sincerely,

Jim Brown
Waverly Media, LLC

— On Wed, 5/23/12, Robert Davenport <rdavenport@co.volusia.fl.us> wrote:

From: Robert Davenport <rdavenport@co.volusia.fl.us>
Subject: 4 benches need to be moved-Orange City
To: jimb@waverlymedia.com
Cc: "Elizabeth Suchsland" <ESuchsland@co.volusia.fl.us>, "Heather Blanck" <HBlanck@co.volusia.fl.us>
Date: Wednesday, May 23, 2012, 11:36 AM

Jim: I have received direction that the four benches you have placed just north of Orange City on Volusia/Woodland/92 in the Volusia County Planning Zone need to be moved. I would appreciate it if your guys could extract them as soon as Possible. This is an Orange City request. They do have authority in this Planning Zone. As always, thanks for your help.

Robert Davenport
Customer Service Manager
VOTRAN
950 Big Tree Road
South Daytona, FL 32119-8815
Phone 386-756-7496 X 4119
Fax 386-756-7487
Rdavenport@co.volusia.fl.us

From: Elizabeth Suchsland
To: Fischer, Ken
Date: 5/23/2012 12:17 PM
Subject: Fwd: Re: 4 benches need to be moved-Orange City
Attachments: Re: 4 benches need to be moved-Orange City

Elizabeth Suchsland
Assistant General Manager of Operations and Maintenance
VOTRAN
950 Big Tree Road
South Daytona, FL 32119
Telephone: 386-763-3727
Fax: 386-756-7487
Cell - 386-216-6983

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From: "Jamie Croteau" <jcroteau@ourorangecity.com>
To: "Ken Fischer" <kfischer@co.volusia.fl.us>
Date: 5/23/2012 2:11 PM
Subject: FW: Request To Be Added To Agenda
Attachments: OC Letter Request To Council.docx; ATT61176.htm

Please call me.

Thanks,

Jamie

From: Anthony Pupello
Sent: Wednesday, May 23, 2012 1:52 PM
To: Jamie Croteau
Subject: Fwd: Request To Be Added To Agenda

Sent from my iPad

Begin forwarded message:

From: Jim Brown <jimb@waverlymedia.com>
Date: May 23, 2012 11:05:54 AM EDT
To: tlputka@ourorangecity.com, bcrippen@ourorangecity.com, mwright@ourorangecity.com, apupello@ourorangecity.com, tabraham@ourorangecity.com, rsaylor@ourorangecity.com
Subject: Request To Be Added To Agenda
Reply-To: jimb@waverlymedia.com

Dear Sirs:

The attached letter was mailed to you via the USPS on Monday 5/21/12 in care of the City Clerk's Office. In that letter we requested to be added to the agenda, at your earliest convenience to make our presentation showing how the City can earn revenue and acquire a service for it's Citizens.

We feel the reasons as set out in that letter, especially an added revenue stream for the City, along with a free service for the Citizens, offer compelling reasons to agenda the item and consider our presentation.

We have met personally with most of you, and as you know, we would appreciate the opportunity to work closely with you and the City in introducing a comprehensive bus stop amenities program, which earns the City revenue. If there are any questions, please do not hesitate to ask.

Sincerely,

Jim Brown

General Manager

Waverly Media, L.L.C.

4188 Dairy Ct., Ste. D

Port Orange, FL 32127

(386)322-3600

Visit us online at <http://www.ourorangecity.com>

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May 21st, 2012

Dear Mr. Mayor and City Council Members:

Re: Adding Revenue for the Budget

Please review this request, and allow us to prove how private enterprise can partner with the City to achieve a substantial stream of revenue as well as a totally cost free bus bench and shelter program for Orange City residents.

Seventeen months ago, a presentation was made to Council by Staff. According to the Minutes there did not appear to be a consensus as to how to proceed with a bus stop amenities program, or not. Sadly, there was also little attention paid to the revenue which would be generated for the City's budget. For those reasons, and others set out below, we request the topic be revisited by City Council.

In that presentation to Council concerns were also voiced about how a program with a private company would work. We noted Staff thought it might be difficult to deal with rewriting the applicable ordinances as well as controlling the advertising content on the signs due to recent freedom of speech enactments. Both of those concerns are easily complied with.

As you are likely aware, the County, when confronted with the same issue, simply left all their existing sign rules in place, and added one sentence to the appropriate statute granting an exception to the sign rules where they related to advertising on bus benches and bus shelters in the FDOT right of way. That proved a very simple, efficient, and effective solution. No slippery slope there.

With respect to sign content and freedom of speech concerns that were also raised; frankly speaking, we have over 600 bench signs in place throughout Volusia County and not once in over four years have a private party or municipal entity ever lodged a complaint about the ad content. We use a common sense, self-regulatory approach, and it seems to work. Thus, the City faces no potential liability.

One item we noted which was never brought up concerning the bus bench advertising was how cost effective it is for local businesses in a tough economic climate. Our local advertisers find their bus bench ads to be some of the best and most effective promotional activity they undertake. So, please consider the fact, this will be a benefit to local business concerns that make up almost 70% of the tax base. You would perhaps be surprised to know how many calls we receive from the Orange City business community pleading with us to undertake the program in partnership with Orange City! We're ready if you are.

Therefore, based on the following issues:

1. The revenue which would be generated for the City,
2. Support for the business community,
3. Self- regulation of sign content,
4. Easy to adapt sign ordinance, and
5. Saves the City further revenue.

We respectfully submit that a way to make the City money on one hand, and save the City money on another, that the citizens of Orange City would be well served by having the bus stop amenities program examined by City Council. We are at your disposal. Thank you.

Sincerely,

Jim Brown
Waverly Media, LLC
4188 Dairy Ct., Ste. D
Port Orange, FL 32127
(386)322-3600



BROWN, GARGANESE, WEISS & D'AGRESTA, P.A.

Attorneys at Law

111 N. Orange Ave., Suite 2000
P.O. Box 2873
Orlando, Florida 32802-2873
Phone (407) 425-9566
Fax (407) 425-9596

William E. Reischmann, Jr.

wreischmann@orlandolaw.net

August 7, 2012

Mr. Jim Brown
Waverly Media
3624 South Atlantic Avenue
Daytona Beach Shores, Florida 32118

RE: ***Bus Benches in the City of Orange City.***

Dear Mr. Brown:

Please be advised that notwithstanding the efforts between your company and the City regarding the bus benches, with their advertisements, which Waverly improperly, illegally, and without permission placed in the City's rights of ways, the City, at this time, advises that if these benches, as reflected on Exhibit "A", are not removed on or before August 31, 2012, then the City shall remove them.

In such event, please be advised that these benches will be stored at the Orange City Public Works facility located at 1100 South Thorpe Avenue, after they are removed by the City. Should these benches not be removed by you prior to the aforementioned date, and/or the City fails to hear from you with regard to the City's disposition of these benches, they will be discarded.

Please feel free to contact the undersigned should you have any questions, concerns, or responses to this correspondence.

Sincerely,

William E. Reischmann, Jr., Esquire
City Attorney

cc: Jamie Croteau, City Manager
Jim Kerr

Exhibit A
Waverly Bus Bench Signs

Bus Bench Signs for Route 20 DeLand - Orange City			
	Bench/Sign Location	Address Location	Sign Advertisement on Bench
	In front of Days Inn	2501 North Volusia Avenue	Blue Springs Auto Wash
	In front of Blue Springs Realty	1995 North Volusia Avenue	Bench with no Sign
	In front of Wells Fargo Bank	2502 Enterprise Road	Daves Fence
	In front of Applebees	2599 Enterprise Road	Total Realty
	North of Popeyes	2561 Enterprise Road	Melissa Stalzer
	Building North of Wisconsin	1120 North Volusia Avenue	Planet Fitness
	Front of Candlelight Mobile home park	2000 North Volusia Avenue	Daves Fence
	North of Dale's Ale	2400 North Volusia Avenue	Doran political election sign

Bus Bench Signs for Route 21 and 22 Deltona - Orange City			
	Bench/Sign Location	Address Location	Sign Advertisement on Bench
	North of Summerhaven Drive	2899 Enterprise Road	Hungry Howie
	North of Live Oak Center	2845 Enterprise Road	Action Transmission
	South of Commed Blvd	2734 Enterprise Road	Politis Insurance
	In front of Boulevard Tire	2788 Enterprise Road	Rue & Ziffra Attorneys
	Multi tenant Office	2836 Enterprise Road	Total Vision

Bus Bench Signs for Route 23 Deltona - Orange City			
	Bench/Sign Location	Address Location	Sign Advertisement on Bench
	Baldauff's Funeral Home	1295 Saxon Boulevard	Atlantic Septic
	In front of Quiznos	1270 Saxon Boulevard	Politis Insurance

Updated 7-10-12

From: Jamie Croteau <jcroteau@ourorangecity.com>
To: Ken Fischer <kfischer@co.volusia.fl.us>
Date: 8/13/2012 5:34 PM
Subject: FW: Orange City Bus Benches
Attachments: Orange City Reischman.pdf; ATT00001.htm

From: Debbie Renner
Sent: Monday, August 13, 2012 11:53 AM
To: Jamie Croteau
Subject: FW: Orange City Bus Benches

Deborah J. Renner, CMC, City Clerk
City of Orange City
205 E. Graves Avenue
Orange City, FL 32763
386/775-5403

From: Tom Abraham
Sent: Monday, August 13, 2012 11:33 AM
To: Debbie Renner
Cc: Gloria Thomas
Subject: Fwd: Orange City Bus Benches

A letter written to Tom the Mayor. Not me.
Public record. Staff mentioned, I don't know all the facts
Who is running all the shows ?

Sent from my iPad

Begin forwarded message:

From: "Jim Brown" <jimb@waverlymedia.com<mailto:jimb@waverlymedia.com>>
To: "Tom Laputka" <tlaputka@ourorangecity.com<mailto:tlaputka@ourorangecity.com>>
Cc: "whitel@cfl.rr.com<mailto:whitel@cfl.rr.com>" <whitel@cfl.rr.com<mailto:whitel@cfl.rr.com>>
Subject: Orange City Bus Benches
Hello Tom,

I trust this email finds you doing well. Please review the attached. We are completely blindsided by this and wondered if you were aware of staff's latest antics? Likely they will read this email before you do, as I have been made aware, they believe it is their duty to review Council's private emails!

Tom, when last we spoke about those benches which were inside the City limits you advised me to leave them there until the matter could come before Council. That meeting took place between yourself, Alan James, Jeff Allebach and myself. To date, I was not aware of any change of heart you may have had regarding this. If there is, please advise.

It has also come to my attention that staff tried to persuade you that I was less than totally honest with you concerning the request to remove those original 4 benches in question, made by then VOTRAN GM, Ken Fischer. In layman's language, that is all BS! Ken called me directly and stated very specifically the request had come direct from Orange City staff. Moreover, if FDOT had initiated the request, it would have come direct to me as we have a strong working relationship with Rick Snow at FDOT. He has called me directly each and every time there is a question or issue with any of the 600 benches we own Countywide. Especially those on State Roads like 17-92. To suggest that he, or anyone at FDOT, took such a circuitous route to contact us is fanciful, at best.

Tom, as I said at our previous meeting, if you want us to remove any of the benches within the City limits, let me know, and we will remove them. Those benches though which are not within Orange City's city limits, and are contractually covered by being in unincorporated Volusia County are ones we would not be willing to remove. Moreover, if the City were to remove those legally placed benches, then we would be forced into litigation to protect our business interests. I await your advise. Thank you Mr. Mayor!

Sincerely,

Jim Brown
Managing Member
Waverly Media, LLC
4188 Dairy Ct., Ste. D
Port Orange, FL 32127
(386)322-3600 p
(386)852-0556 c

Visit us online at <http://www.ourorangecity.com><<http://www.ourorangecity.com/>>

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BROWN, GARGANESE, WEISS & D'AGRESTA, P.A.

Attorneys at Law

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Orlando, Florida 32802-2873
Phone (407) 425-9566
Fax (407) 425-9596

William E. Reischmann, Jr.

wreischmann@orlandolaw.net

August 7, 2012

Mr. Jim Brown
Waverly Media
3624 South Atlantic Avenue
Daytona Beach Shores, Florida 32118

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Please feel free to contact the undersigned should you have any questions, concerns, or responses to this correspondence.

Sincerely,

William E. Reischmann, Jr., Esquire
City Attorney

cc: Jamie Croteau, City Manager
Jim Kerr

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Bus Bench Signs for Route 20 DeLand - Orange City			
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In front of Blue Springs Realty	1995 North Volusia Avenue	Bench with no Sign	
In front of Wells Fargo Bank	2502 Enterprise Road	Daves Fence	
In front of Applebees	2599 Enterprise Road	Total Realty	
North of Popeyes	2561 Enterprise Road	Melissa Stalzer	
Building North of Wisconsin	1120 North Volusia Avenue	Planet Fitness	
Front of Candlelight Mobile home park	2000 North Volusia Avenue	Daves Fence	
North of Dale's Ale	2400 North Volusia Avenue	Doran political election sign	

Bus Bench Signs for Route 21 and 22 Deltona - Orange City			
Bench/Sign Location	Address Location	Sign Advertisement on Bench	
North of Summerhaven Drive	2899 Enterprise Road	Hungry Howie	
North of Live Oak Center	2845 Enterprise Road	Action Transmission	
South of Commed Blvd	2734 Enterprise Road	Politis Insurance	
In front of Boulevard Tire	2788 Enterprise Road	Rue & Ziffra Attorneys	
Multi tenant Office	2836 Enterprise Road	Total Vision	

Bus Bench Signs for Route 23 Deltona - Orange City			
Bench/Sign Location	Address Location	Sign Advertisement on Bench	
Baldauff's Funeral Home	1295 Saxon Boulevard	Atlantic Septic	
In front of Quiznos	1270 Saxon Boulevard	Politis Insurance	

Updated 7-10-12

From: Nancy Prasse (Ken Fischer)
To: Steven Sherrer
Date: 8/15/2012 2:59 PM
Subject: Fwd: FW: Orange City Bus Benches
Attachments: Orange City Reischman.pdf; ATT00001.htm

Ken Fischer
(386) 756-7496, ext. 4103
kfischer@co.volusia.fl.us

>>> Jamie Croteau <jcroteau@ourorangecity.com> 8/13/2012 11:57 AM >>>

From: Debbie Renner
Sent: Monday, August 13, 2012 11:53 AM
To: Jamie Croteau
Subject: FW: Orange City Bus Benches

Deborah J. Renner, CMC, City Clerk
City of Orange City
205 E. Graves Avenue
Orange City, FL 32763
386/775-5403

From: Tom Abraham
Sent: Monday, August 13, 2012 11:33 AM
To: Debbie Renner
Cc: Gloria Thomas
Subject: Fwd: Orange City Bus Benches

A letter written to Tom the Mayor. Not me.
Public record. Staff mentioned, I don't know all the facts
Who is running all the shows ?

Sent from my iPad

Begin forwarded message:

From: "Jim Brown" <jimb@waverlymedia.com<mailto:jimb@waverlymedia.com>>
To: "Tom Laputka" <tlaputka@ourorangecity.com<mailto:tlaputka@ourorangecity.com>>
Cc: "whitel@cfl.rr.com<mailto:whitel@cfl.rr.com>" <whitel@cfl.rr.com<mailto:whitel@cfl.rr.com>>
Subject: Orange City Bus Benches
Hello Tom,

I trust this email finds you doing well. Please review the attached. We are completely blindsided by this and wondered if you were aware of staff's latest antics? Likely they will read this email before you do, as I have been made aware, they believe it is their duty to review Council's private emails!

Tom, when last we spoke about those benches which were inside the City limits you advised me to leave them there until the matter could come before Council. That meeting took place between yourself, Alan James, Jeff Allebach and myself. To date, I was not aware of any change of heart you may have had regarding this. If there is, please advise.

From: Patricia Northey
To: Jeaniene Jennings
CC: Darla Zakaluzny
Date: 8/29/2012 10:25 PM
Subject: Re: Waverly

What is the difference between this and the contract for bus shelters with 20/20 media? May I get that contract. Also, how much for the last 10 years by the year have we collected in revenue from either firm.
Thanks

WORKING FOR YOU
PATRICIA NORTHEY
Volusia County Council Member
District 5
County: 386-626-6632
Cell: 386-717-0505
Fax: 386-789-7501

>>> Jeaniene Jennings 7/31/2012 4:11 PM >>>
Pat,
As requested

Jeaniene Jennings, CPPB
Director of Purchasing and Contracts
County of Volusia
386-822-5789

From: Jeaniene Jennings
To: Northey, Patricia
CC: Dorsten, Jim; Orr, Rhonda; Sherrer, Steven; Zakaluzny, Darla
Date: 8/30/2012 1:48 PM
Subject: Re: Waverly

Pat,

I have researched this and we do not have a contract with 20/20 Media currently, and went back 10 years to see if one had expired, but no contract previously either. The only thing I can find is a P.O through community information for signing for the census. I do not have any information on the revenue as it does not come through this office it goes directly to Votran. I have copied Votran to provide any information I do not have.

Thank you,

Jeaniene

Jeaniene Jennings, CPPB
Director of Purchasing and Contracts
County of Volusia
386-822-5789

>>> Patricia Northey 8/29/2012 10:25 PM >>>

What is the difference between this and the contract for bus shelters with 20/20 media? May I get that contract. Also, how much for the last 10 years by the year have we collected in revenue from either firm.
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PATRICIA NORTHEY
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>>> Jeaniene Jennings 7/31/2012 4:11 PM >>>

Pat,

As requested

Jeaniene Jennings, CPPB
Director of Purchasing and Contracts
County of Volusia
386-822-5789



Florida Department of Transportation

**RICK SCOTT
GOVERNOR**

915 S. Clyde Morris Blvd.
Daytona Beach, FL 32114

**ANANTH PRASAD, P.E.
SECRETARY**

September 21, 2012

Jim Kerr, City Planner
City of Orange City
East 205 Graves Avenue
Orange City, Florida 32763

Re: Bus benches in State Right of Way- SR 15/600

Dear Mr. Kerr:

Pursuant to Rule Chapter 14-20, FAC, local government entities have permitting authority for the installation of bus shelters and benches within their respective jurisdictions; the Department generally retains compliance oversight.

There are two benches located on SR 15/600 (US 17-92/ Volusia Avenue): one near 1995 N. Volusia Avenue and one near 2400 North Volusia Avenue. It has been observed that the location of these benches do not comply with clear zone requirements as per FDOT Design Standard Index 700. If the City has permitted these benches, they need to be relocated out of the clear zone. If the City has not permitted these benches, they should be removed.

If you have any questions, please feel free to contact me at (386) 943-5774.

Sincerely,

Victor A. LoPiccolo
Resident Utility Coordinator



October 1, 2012

Votran/Volusia County
950 Big Tree Rd.
South Daytona, FL 32119

RE: Bus Benches

Dear Finance Department,

Please find monthly statements and payment for March, April, and May 2012 attached. We regrettably write to inform you we were required to remove several advertising benches within city limits by the government of Orange City. We were mistakenly coding, and paying the county the commission as if the benches were located in unincorporated Volusia County. The \$2188.88 overpayment to the county, for the months of January through present, has been deducted from the check attached. If you need further information please feel free to contact us.

Sincerely,

A handwritten signature in black ink that reads "Kim Was". The signature is fluid and cursive, with a long horizontal line extending from the end.

Kim Was
Account Manager

4188 Dairy Court Suite D Port Orange, FL 32127

Ph 386-322-3600

Fax 1-888-288-6241

Advertising Checks

\$1,878.46	4/19/2012
\$2,683.56	2/9/2012
\$7,983.56	2/7/2012
\$2,189.19	5/23/2011
\$3,110.52	8/18/2010
\$2,658.76	2/22/2010
\$1,328.95	9/30/2009
\$943.60	2009
\$362.60	2008
\$0.00	2007
\$0.00	2006
\$2,441.00	2005
\$416.62	2004
\$0.00	2003

416.62	+
2,441.00	+
362.60	+
943.60	+
1,328.95	+
2,658.76	+
3,110.52	+
2,189.19	+
7,983.56	+
2,683.56	+
1,878.46	+
011.....	
25,996.82	*

From: Marcy Zimmerman
To: Schnebly, Tura
Date: 10/3/2012 8:42 AM
Subject: Fwd: Public Records - Ordinance on Signs on Public Benches - Also Waverly Contract
Attachments: Public Records - Ordinance on Signs on Public Benches - Also Waverly Contract

Attached is an email regarding Reichmann's request.

Marcy Zimmerman
Deputy Clerk
County Manager's Office
County of Volusia
123 West Indiana Avenue
Suite 301
DeLand, Florida 32720
Phone: 386-736-5920 x12398
Fax: 386-822-5707

email: mzimmerman@volusia.org

****Florida has a very broad Public Records Law. Virtually all written communications to or from state and local officials and employees are public records available to the public and media upon request. Volusia County policy does not differentiate between personal and business emails. E-mail sent on the county system will be considered public and will only be withheld from disclosure if deemed confidential pursuant to state law.****

>>> Marcy Zimmerman 3/14/2012 2:59 PM >>>

I had a call from Melanie in Mr. Reichmann's office, today. Below is what I sent her (for your files)

Marcy Zimmerman
Deputy Clerk
County Manager's Office
County of Volusia
123 West Indiana Avenue
Suite 301
DeLand, Florida 32720
Phone: 386-736-5920 x2398
Fax: 386-822-5707
email: mzimmerman@co.volusia.fl.us

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From: Marcy Zimmerman
To: mkelly@orlandolaw.net
Date: 3/14/2012 10:52 AM
Subject: Public Records - Ordinance on Signs on Public Benches - Also Waverly Contract
Attachments: Ord 2010-03.pdf

Melanie: Per your request, attached is Volusia County Ordinance 2010-03.

Also, I did a search for "Waverly" on volusia.org and got the following hits. As discussed, you can view each of the items with attachments, but the signed documents are not attached. Once you find what you are looking for, I may be able to tell you where the signed document is.

04/10/2008 item-10-vc-1205267011818-a.pdf
02/10/2005 item-10-vc-1106600004419-a.pdf
02/18/2010 item-08-vc-1263243492531-a.pdf
06/16/2011 item-24-vc-1306180970316-a.pdf
07/16/2009 item-06-vc-1246476258535-a.pdf
09/08/2011 item-43-vc-1312924707363-a.pdf
09/22/2011 item-42-vc-1315314872968-a.pdf
07/07/2011 item-14-vc-1305739447507-a.pdf
04/10/2008 agenda.pdf
02/10/2005 agenda.pdf
07/16/2009 agenda.pdf
02/18/2010 agenda.pdf
06/16/2011 agenda.pdf
07/07/2011 agenda.pdf
09/08/2011 agenda.pdf
09/22/2011 agenda.pdf

Let me know if you need any further assistance.
Marcy

Marcy Zimmerman
Deputy Clerk
County Manager's Office
County of Volusia
123 West Indiana Avenue
Suite 301
DeLand, Florida 32720
Phone: 386-736-5920 x2398
Fax: 386-822-5707
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ORDINANCE NO. 2010-03

AN ORDINANCE OF THE COUNTY COUNCIL OF VOLUSIA COUNTY, FLORIDA, AMENDING THE ZONING ORDINANCE OF VOLUSIA COUNTY, FLORIDA; AMENDING CHAPTER 72 "LAND PLANNING," ARTICLE II "ZONING", DIVISION 8 "SUPPLEMENTARY REGULATIONS" BY AMENDING SECTION 72-298 "SIGN REGULATIONS;" PROVIDING FOR SIGNS ON PUBLIC TRANSPORTATION BENCHES AND SHELTERS; PROVIDING FOR SEVERABILITY; PROVIDING FOR CONFLICTING ORDINANCES; AND PROVIDING FOR AN EFFECTIVE DATE.

BE IT ORDAINED BY THE COUNTY COUNCIL OF VOLUSIA COUNTY, FLORIDA, AS FOLLOWS:

(Words in ~~strike-through~~ type are deletions; words in underscore type are additions.)

SECTION I: Chapter 72, article II, division 8, section 72-298 of the Code of Ordinances, County of Volusia is amended to read as follows:

Sec. 72-298. Sign regulations.

The following sign regulations shall apply within the unincorporated area of Volusia County, Florida, including areas with previously approved community development plans. For purposes of interpretation, the term "residential planned unit development, RPUD," shall include the term "community development plan, CDP".

...

(2) Prohibited signs: Except as otherwise provided in this article, the following signs are prohibited in all zoning classifications established in division 7 of this article:

- a. Signs erected on public property or public rights-of-way except those placed on public transportation benches or shelters as approved through a competitive selection process of the county.

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SECTION II: AUTHORIZING INCLUSION IN CODE - The provisions of this ordinance shall be included and incorporated into the Code of Ordinances of the County of Volusia, as additions or amendments thereto, and shall be appropriately renumbered to conform to the uniform numbering system of the code.

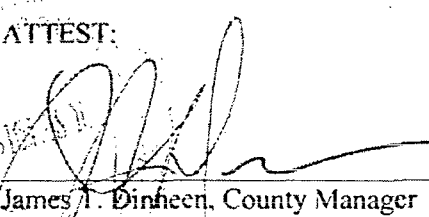
SECTION III: SEVERABILITY - Should any word, phrase, sentence, subsection or section be held by a court of competent jurisdiction to be illegal, void, unenforceable, or unconstitutional, then that word, phrase, sentence, subsection or section so held shall be severed from this ordinance and all other words, phrases, sentences, subsections, or sections shall remain in full force and effect.

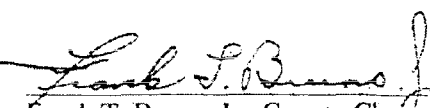
SECTION IV: CONFLICTING ORDINANCES - All ordinances, or part thereof, in conflict herewith are, to the extent of such conflict, repealed.

SECTION V: EFFECTIVE DATE - A certified copy of this Ordinance shall be filed with the Department of State by the County Manager within ten (10) days after enactment by the County Council and this Ordinance shall take effect upon filing with the Department of State.

ADOPTED BY THE COUNTY COUNCIL OF VOLUSIA COUNTY, FLORIDA, IN OPEN MEETING DULY ASSEMBLED IN THE COUNTY COUNCIL CHAMBERS AT THE THOMAS C. KELLY ADMINISTRATION CENTER, 123 WEST INDIANA AVENUE, DELAND, FLORIDA, THIS 18TH DAY OF FEBRUARY A.D., 2010.

ATTEST: COUNTY COUNCIL
COUNTY OF VOLUSIA, FLORIDA

 James T. Dinneen, County Manager

 Frank T. Bruno, Jr., County Chair

From: Marcy Zimmerman
To: Schnebly, Tura
Date: 10/3/2012 9:43 AM
Subject: Your Request - FDLE

Scott Peterka called on August 31, 2012.
Special Agenda
Florida Law Enforcement
321-299-4194

He wanted certified records/minutes on Waverly Media.

8/31/12 Mr. Peterka said he also spoke with Jeaniene Jennings who is researching and will make an appointment with him. I advised him he could search volusia.org minutes and agenda from 2001 forward. He also said another name to search is Ramara Garrett. He will get back with me - - he said Legal gave him my email address to forward a request.

8/31 I spoke with Jeaniene Jennings and told her of above. She is gathering info. I told her of the Feb. 2012 request for Waverly Media and it all went thru Community Info for various depts. to do research.

Marcy Zimmerman
Deputy Clerk
County Manager's Office
County of Volusia
123 West Indiana Avenue
Suite 301
DeLand, Florida 32720
Phone: 386-736-5920 x12398
Fax: 386-822-5707

email: mzimmerman@volusia.org

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From: Marcy Zimmerman
To: Schnebly, Tura
Date: 10/3/2012 8:37 AM
Subject: Fwd: RE: PRR-022812: Joel Shank (re contracts & council minutes re Waverly Media & 20/20 Media)

>>> Bernice Wendland 3/7/2012 12:22 PM >>>
Thank you for letting us know.

>>> Joel Shank <joel.shankfl@gmail.com> 3/7/2012 11:25 AM >>>
I apologize for some confusion on my part. It seems as though, based on what I can see that Waverly Media operates under three different names: Waverly Media, Maverick Bench, and Associated Marketing. Associated Marketing has a contract with Votran not the County. Thank you for your help again. This satisfies my RPR.

Joel Shank

-----Original Message-----

From: Bernice Wendland [<mailto:bwendland@co.volusia.fl.us>]
Sent: Wednesday, March 07, 2012 10:23 AM
To: joel.shankfl@gmail.com
Cc: Marcy Zimmerman; Pamela Renfro
Subject: PRR-022812: Joel Shank (re contracts & council minutes re Waverly Media & 20/20 Media)

Please see the attached comments by Marcy Zimmerman.

From: Charlene Weaver <cweaver@co.volusia.fl.us>
To: SSherrer@volusia.org
CC: DByron@volusia.org, TSchnebly@volusia.org, JJennings@volusia.org, ROrr@v...
Date: 10/23/2012 11:43 PM
Subject: Re: Information

Let's start with owned by Waverly. Any information you have on the cities that is readily available would be enlightening. I was not aware they had their own separate benches and contracts.

Sent from my iPad

On Oct 23, 2012, at 4:43 PM, "Steven Sherrer" <ssherrer@volusia.org> wrote:

> Charlene,
>
> Would you like me to provide you with the number of benches we currently have at ALL stops or just those benches owned by Waverly?
>
> There are a large number of benches that are owned by the various cities or their respective advertising contractors and this number could be quite challenging to acquire.
>
> Votran owns approximately 40 benches and these benches are only located at the major transfer points. (ITF, Votran Transfer Plaza, Swallowtail, Orange City transfer point). Votran does not own any benches out on routes.
>
> Thanks,
>
> Steve
>
> Steve Sherrer
> General Manager
> Votran
> 950 Big Tree Road
> South Daytona, FL 32119
> (t) 386-756-7496, x 4126
> (f) 386-756-7487
> ssherrer@co.volusia.fl.us
>
>
>>>> Charlene Weaver 10/23/2012 12:59 PM >>>
> Please provide the number of benches we currently have used by the public at stops, if we own them or if the contractor owns them, and a 10 year history (or less if you don't have 10) of the revenue earned. Need for our meeting. Thank you.
>
>

From: Elizabeth Suchsland
To: jimb@waverlyMedia.com
Date: 10/23/2012 4:58 PM
Subject: Inventory List

Good Afternoon Mr. Brown,

Please send me an updated bench inventory.

Thank you.

Liz

Elizabeth Suchsland
Assistant General Manager of Operations and Maintenance
VOTRAN
950 Big Tree Road
South Daytona, FL 32119
Telephone: 386-763-3727
Fax: 386-756-7487
Cell - 386-216-6983

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From: Jim Brown <jimb@waverlymedia.com>
To: Elizabeth Suchsland <esuchsland@volusia.org>
Date: 10/23/2012 5:07 PM
Subject: Re: Inventory List

Will get to work on it. This list covers only the stops where we have benches placed. Based on recent adjustments, it will change substantially.

--- On Tue, 10/23/12, Elizabeth Suchsland <esuchsland@volusia.org> wrote:

From: Elizabeth Suchsland <esuchsland@volusia.org>
Subject: Inventory List
To: jimb@waverlymedia.com
Date: Tuesday, October 23, 2012, 4:58 PM

Good Afternoon Mr. Brown,

Please send me an updated bench inventory.

Thank you.

Liz

Elizabeth Suchsland
Assistant General Manager of Operations and Maintenance
VOTRAN
950 Big Tree Road
South Daytona, FL 32119
Telephone: 386-763-3727
Fax: 386-756-7487
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From: Elizabeth Suchsland
To: jimb@waverlymedia.com
Date: 10/23/2012 5:19 PM
Subject: Re: Inventory List

Understood, thank you very much.

Elizabeth Suchsland
Assistant General Manager of Operations and Maintenance
VOTRAN
950 Big Tree Road
South Daytona, FL 32119
Telephone: 386-763-3727
Fax: 386-756-7487
Cell - 386-216-6983

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From: Steven Sherrer
To: Weaver, Charlene
CC: Byron, Dave; Jennings, Jeaniene; Orr, Rhonda; Schnebly, Tura
Date: 10/24/2012 8:52 AM
Subject: Re: Information

Charlene,

We requested this information from Waverly yesterday. I will forward it to you as soon as I receive it.

Steve

Steve Sherrer
General Manager
Votran
950 Big Tree Road
South Daytona, FL 32119
(t) 386-756-7496, x 4126
(f) 386-756-7487
ssherrer@co.volusia.fl.us

>>> Charlene Weaver <cweaver@co.volusia.fl.us> 10/23/2012 11:43 PM >>>

Let's start with owned by Waverly. Any information you have on the cities that is readily available would be enlightening. I was not aware they had their own separate benches and contracts.

Sent from my iPad

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> Steve Sherrer
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> ssherrer@co.volusia.fl.us
>
>

>>>> Charlene Weaver 10/23/2012 12:59 PM >>>

> Please provide the number of benches we currently have used by the public at stops, if we own them or if the contractor owns them, and a 10 year history (or less if you don't have 10)of the revenue earned. Need for our meeting. Thank you.

>

>

From: Steven Sherrer
To: Weaver, Charlene
CC: Byron, Dave; Jennings, Jeaniene; Orr, Rhonda; Schnebly, Tura
Date: 10/25/2012 9:21 AM
Subject: Re: Information
Attachments: 2011 Bench Locations Unincorporated Volusia County.xlsx

Charlene,

This is the most recent bus bench list we have from Waverly. We have requested another updated list and will forward it to you when we get it.

Steve Sherrer
General Manager
Votran
950 Big Tree Road
South Daytona, FL 32119
(t) 386-756-7496, x 4126
(f) 386-756-7487
ssherrer@co.volusia.fl.us

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>

>

Bus Stops Unincorporated Volusia County

Ormond By The Sea

1	A1A & Tropical Dr., ESR
2	A1A & Breezeway, ESR
3	A1A & Seaview Dr., ESR
4	A1A & Carol Rd., ESR
5	A1A & Roberta Rd., ESR
6	A1A & Sunrise Ave., ESR
7	A1A & Ocean Aire, ESR
8	A1A & Bass Dr., WSR
9	A1A & Seabridge Dr., WSR
10	A1A & Ocean Ave., WSR
11	A1A & Capistrano, WSR
12	A1A & Capri, WSR
13	A1A & Ocean Grove, WSR
14	A1A & Surfside, WSR
15	A1A & San Jose, WSR
16	A1A & Wisteria, WSR
17	A1A & Briggs Dr., WSR
18	A1A & Sunrise Ave., WSR
19	A1A & Ocean Breeze, WSR
20	A1A & Kathy Dr., WSR
21	A1A & Sunset, WSR
22	A1A @ Bicentennial Park, WSR
23	A1A & Seacrest, WSR
24	A1A & Carol Rd., WSR
25	A1A & Alamanda, WSR
26	A1A & Tropical Dr., WSR
27 Bench Being added	A1A & Seaview Dr., WSR

Wilbur By The Sea

28	S. Atlantic Ave. & Mallard, WSR
29	S. Atlantic Ave. & Egret, WSR
30	S. Atlantic Ave. & Toronita, WSR
31	S. Atlantic Ave. & Curlew, WSR
32	S. Atlantic Ave. & Major, WSR
33	S. Atlantic Ave. & Major, ESR
34	S. Atlantic Ave. & Curlew, ESR
35	S. Atlantic Ave. & Toronita, ESR
36	S. Atlantic Ave. & Egret, ESR
37	S. Atlantic Ave. & Mallard, ESR

Ormond Beach

38	US 1 & Wall Ave., ESR
39	US 1 & Ormond Lakes Blvd., ESR
40 Bench Being Added	US 1 & Lowndes Ave., ESR
41 Bench Being Added	US 1 & Hull Rd., ESR

Port Orange/Daytona Area

42	Clyde Morris & Old Kings Rd., ESR
43	Clyde Morris @ Morrisyown Apts., ESR
44	Clyde Morris S. of Big Tree, WSR
45	Clyde Morris N. of Big Tree, ESR
46	Clyde Morris N. of Big Tree, WSR
47	Nova & Beville, WSR
48	Nova N. of Big Tree, ESR
49	Clyde Morris S. of LPGA, WSR
50	Mason W. of Clyde Morris, IFO 7-11
Oak Hill Unincorporated	
51	US 1 WSR IFO Equipment Rental Bus.
52	US 1 & H.H. Birch St., ESR
New Smyrna Beach Area	
53	Saxon & Hiles
54	S. Atlantic, WSR, Across from Errol By The
55	S. Atlantic, S. of Silver Sands, N. of Hiles, WSR
56	S. Atlantic & Hiles, WSR
57	S. Atlantic & Sylvia Dr., WSR
NSB/PO Area	
58	US 1 & Bayshore Dr., ESR
59	US 1 & Bayshore Dr., WSR
60	US 1 @ Palm Shores Mobile Park, ESR
61	US 1 @ Spruce Creek Pk., WSR
62	US 1 Across from Spruce Creek Pk., ESR
Between DeLand & Daytona	
63	Hwy. 92, NSR, IFO Chevron
64	Hwy. 92 & 4th St., NSR
65	Hwy. 92, NSR Across from Birds Nest Motel
66	Red John Rd., ESR, Across from Stewart-Marchman ACT
67	Red John Rd., WSR, IFO Stewart-Marchman ACT
68	Hwy. 92 & Big John Rd., NSR
69	Hwy. 92 & West Pkwy., NSR
70	Hwy. 92, WSR, IFO Fred's Trucks
71	Hwy. 92 & Kepler Rd., NSR
72	Hwy. 92 & Oak St., NSR
73	Hwy. 92 & Oak St., SSR
74	Hwy. 92 & Keppler, SSR
75	Bench Bench Being Added Hwy. 92, SSR, IFO Speedway Family Practice
76	Hwy. 92 & West Pkwy., SSR
77	Hwy. 92 & Big John Rd., SSR
78	Hwy. 92 E. of 4th St., SSR
DeLand Area Unincorporated	
79	Hwy. 92 & Spring Garden, NSR
80	N. Spring Garden S. of 92, WSR
81	Stone Ave. & Orange, ESR
82	Stone Ave. S. of 92, ESR
83	S. Woodland & Vermont, WSR

84	S. Woodland & Orange Camp, ESR
Between DeLand & Orange City	
85	S. Woodland & I-4 Off Ramp, WSR
86	S. Woodland & Minnesota, WSR @ Days Inn
87	S. Woodland & St. Lawrence, WSR
88	S. Woodland & Wisconsin, ESR
89	S. Woodland, ESR, IFO Candlelight Mobile Home Pk.
90	S. Woodland W. of Minnesota Ave., ESR
DeLand through DeLeon Springs	
91	N. Woodland & Glenwood, ESR
92	N. Woodland & Robin Hood, ESR
93	N. Woodland & Melodie, ESR
94	N. Woodland, ESR, IFO Phoenix Estates
95	N. Woodland & E. Davis St., ESR
96 Bench Being Added	17-92, DeLeon Springs, IFO School, ESR
97	17-92 & 40, ESR
98	17-92 & 40, WSR
99 Bench Being Added	17-92 & Lake Winona Rd., WSR
100	17-92 & Spring Garden Ave., WSR
101 Bench Being Added	N. Woodland & W. Davis, WSR
102	N. Woodland & Mills Rd., WSR
103	N. Woodland & West Virginia Ave., WSR
104	N. Woodland & Robin Hood, WSR
105	N. Woodland & SR 11, WSR
106	N. Woodland, WSR, Across from Ardmore Farms

From: Elizabeth Suchsland
To: Sherrer, Steven
CC: Dorsten, Jim
Date: 10/30/2012 4:01 PM
Subject: Waverly

I spoke with Jim Brown today, the last updated list is the one from 2011. Since that list, he has removed benches from Wilbur by the Sea, and he is working to update the list to show additional benches, and the removal of the Orange City benches.

The 2012 list is not expected to be completed for another 2 to 3 weeks.

Elizabeth Suchsland
Assistant General Manager of Operations and Maintenance
VOTRAN
950 Big Tree Road
South Daytona, FL 32119
Telephone: 386-763-3727
Fax: 386-756-7487
Cell - 386-216-6983

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From: Jim Brown <jimb@waverlymedia.com>
To: <jkerr@ci.orange-city.fl.us>, <jcroteau@ourorangecity.com>, <jkerr@ouror...
Date: 11/2/2012 6:43 AM
Subject: Re: Waverly Bus Benches in Orange City

Good morning Elizabeth,

Thank you. Yes, the five benches in question were removed yesterday, as we discussed. Also, three benches in other parts of the County which were damaged in traffic accidents this past week are being replaced today. As always, a pleasure to work with you in an effort to serve the County, and VOTRAN riders.

Sincerely,

Jim Brown

— On Thu, 11/1/12, Elizabeth Suchsland <esuchsland@volusia.org> wrote:

From: Elizabeth Suchsland <esuchsland@volusia.org>
Subject: Waverly Bus Benches in Orange City
To: jkerr@ci.orange-city.fl.us, jcroteau@ourorangecity.com, jkerr@ourorangecity.com, "Heather Blanck" <HBlanck@volusia.org>, "Robert Davenport" <RDavenport@volusia.org>, "Steven Sherrer" <SSherrer@volusia.org>, jimb@waverlymedia.com
Date: Thursday, November 1, 2012, 6:42 PM

**** High Priority ****

Mr. Brown,

It is my understanding that you removed the five benches in question with Orange City today, a day ahead of schedule.

I appreciate your efforts and the removal of the benches.

Thank you very much.

Elizabeth

Mr. Brown,

Thank you for speaking with me this afternoon. It is my understanding that you will honor my request made under our contract to remove the five bus benches in question with Orange City by close of business day on Friday, November 2, 2012.

Sincerely,

Elizabeth

From: Heather Blanck
To: Traverso, Gerry
CC: Cotton, John; Davenport, Robert; Holmes, Mike; Sherrer, Steven; Such...
Date: 11/16/2012 9:40 AM
Subject: Re: VOTRAN Bus Route #20 thru SR 15 (US 17/92)
Attachments: 2008_Transit_Handbook 8 Rural and Urban Stop Basic Level.pdf

Good morning Gerry,

The project appears to be entirely within the city limits of DeLand. Votran is the transit agency, but we do not have any ownership of the bus stop improvements within the city. Bus stop improvement in the right of way must be authorized by the City of Deland. The benches with advertising belong to Waverly Media, under contract to the City of Deland (see Florida Administrative Code 14-20.0032 Placement of Benches).

You should be aware that:

1. Volusia TPO has a comprehensive review of all projects and studies being performed in the 17/92 corridor. This is known as US 17-92 Capital Improvement Program.
2. Votran has published the Transit Development Design guidelines <http://www.votran.org/VOTRAN%20Transit%20Design%20Guidelines.pdf>.
3. FDOT has a document "Accessing Transit" which is in the process of being updated to incorporate recent ADA and FDOT legislation (Section 337.408 F.S.)

We have the attached types of diagrams as guidelines for bus stops that were identified by FDOT in their publication "Accessing transit". It describes the ideal size of a bus pad as 10 by 30 feet. Of course there are many limitations that actually result in the bus boarding area being less than ideal. I hope this helps. For further guidance you should check directly with FDOT because guidelines and standards have been revised.

The most significant transit project in Deland at this time is the Intermodal Transit Facility that they will be constructing at Euclid and Woodland. If there are ADA compliance issues you have identified please be sure to let the city of Deland know about them. I have copied Mike Holmes from the City of Deland by way of introduction to you.

Good luck with your project, Heather

--
Heather Blanck
Assistant General Manager of Planning,
Marketing, and Customer Service
Votran
950 Big Tree Road, South Daytona, FL 32119-8815
386-756-7496 ext. 4112
fax 386-756-7487
<http://www.votran.org>

>>> On 11/6/2012 at 4:03 PM, in message
<019801cdbc62\$3d59bac0\$b80d3040\$@caribconsult.com>, "Gerry Traverso"
<gerrytraverso@caribconsult.com> wrote:
> Good Afternoon Heather;
>
>
>

- > We are working on a proposal for FDOT to mill and resurface, add bike lanes
- > and make some pedestrian improvements to SR 15 (US 17/92) from Taylor Rd/SR
- > 15A going north to Chelsea Street just north of Beresford Avenue.

>

>

>

- > During our field visit, we notice that VOTRAN has several bus stops within
- > the project limits and that some of the stops do not have benches. We also
- > notice several bus stops with benches that are not ADA accessible or
- > compliant.

>

>

>

- > We would love to discuss with you or any other VOTRAN personnel any plans
- > the agency might have (if any) for these bus stops (add benches to all the
- > stops, ADA ramps, etc) that might be coordinate in connection with this FDOT
- > project.

>

>

>

- > Thank you in advance for your time and help. Hope to hear from you soon.
- > Have a great day!

>

>

>

- > Gerry Traverso, PE, PMP

>

- > VP/Principal

>

- > Reg. in FL, GA, TN, IN, IL, PA,

>

- > MD, VA, NC, SC & PR

>

- > CCMG, Inc.: Overview | LinkedIn

- > <http://www.linkedin.com/company/ccmg-inc-?trk=tab_biz_home>

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- > CCMG, Inc.

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- > MBE/DBE Certified

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- > 11403 McMullen Loop, Riverview, FL 33569

>

- > Ph. 813-381-7878 Fax. 813-315-7879

>

- > Cell. 813-732-1122

>

- > www.caribconsult.com

>

From: Elizabeth Suchsland
To: jimb@waverlyMedia.com
Date: 11/23/2012 10:29 AM
Subject: List of Bench Locations
Attachments: Waverly Media Contract (1992).pdf

Happy Thanksgiving week Mr. Brown!

I have not yet received your updated list of bus bench placements.

The attachment is the contract that includes a section on records being available for inspection by Votran. Please forward the list.

If you have any questions, please contact me.

Elizabeth

Elizabeth Suchsland
Assistant General Manager of Operations and Maintenance
VOTRAN
950 Big Tree Road
South Daytona, FL 32119
Telephone: 386-763-3727
Fax: 386-756-7487
Cell - 386-216-6983

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From: Jim Brown <jimb@waverlymedia.com>
To: Elizabeth Suchsland <esuchsland@volusia.org>
CC: Ramara <garrettadvantage@realtor.com>, Jimmy <daytonaevents@aol.com>
Date: 11/23/2012 10:56 AM
Subject: Re: List of Bench Locations

Hello Elizabeth,

Thank you; and a happy holiday season to you and yours. Sorry I hadn't updated you in the past couple of weeks. Here's where we are: Earlier this week we finished mapping all 700 benches placed Countywide (I can send you the links to all those maps, if you wish). The final chore to complete is to separate out those bench sites in Unincorporated Volusia County and compile a list exclusive to those locations. Kim, our office manager who has been in charge of the project, is back from vacation Monday, December 3rd, and we plan to complete the list that week.

On another note, I have been working with Bill McCord the Transportation Manager for the City of Port Orange, to remedy a couple of concerns, which I believe he had touched base with you about. There does not appear to be anything there that can't be attended to next week as Bill and I have plans to meet Monday when I'm back in the office. I trust this timing works for you. Thanks again.

Sincerely,

Jim Brown
Waverly Media, LLC

— On Fri, 11/23/12, Elizabeth Suchsland <esuchsland@volusia.org> wrote:

From: Elizabeth Suchsland <esuchsland@volusia.org>
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From: Elizabeth Suchsland
To: jimb@waverlymedia.com
CC: Jimmy; Ramara
Date: 11/23/2012 11:31 AM
Subject: Re: List of Bench Locations

If we can get the list by the end of next week that works.

Thank you.

Elizabeth Suchsland
Assistant General Manager of Operations and Maintenance
VOTRAN
950 Big Tree Road
South Daytona, FL 32119
Telephone: 386-763-3727
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>>> Jim Brown <jimb@waverlymedia.com> 11/23/2012 10:56 AM >>>
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Sincerely,

Jim Brown
Waverly Media, LLC

— On Fri, 11/23/12, Elizabeth Suchsland <esuchsland@volusia.org> wrote:

From: Elizabeth Suchsland
To: jimb@waverlymedia.com
CC: Blanck, Heather
Date: 12/7/2012 12:27 PM
Subject: Re: List of Bench Locations

Jim -

I need the list draft, complete, as is.

Staff is working on a map to meet your needs, please send the list as is, marking it as a work in progress.

We will send the map as soon as we can.

Liz

Elizabeth Suchsland
Assistant General Manager of Operations and Maintenance
VOTRAN
950 Big Tree Road
South Daytona, FL 32119
Telephone: 386-763-3727
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>>> Jim Brown <jimb@waverlymedia.com> 12/6/2012 1:25 PM >>>
Hello Liz,

Working on the list as promised. Our challenge with finalizing the list is finding accurate County mapping. As we saw in the Orange City area, there are annexed areas not reflected on County maps (At least the ones on Volusia.org) even 2 years after the fact. Do you have a resource to direct me to where we can check some questionable locations? Thank you.

Sincerely,

Jim

— On Fri, 11/23/12, Elizabeth Suchsland <esuchsland@volusia.org> wrote:

From: Elizabeth Suchsland <esuchsland@volusia.org>
Subject: Re: List of Bench Locations
To: jimb@waverlymedia.com

Cc: "Jimmy" <daytonaevents@aol.com>, "Ramara" <garrettadvantage@realtor.com>
Date: Friday, November 23, 2012, 11:31 AM

If we can get the list by the end of next week that works.

Thank you.

Elizabeth Suchsland
Assistant General Manager of Operations and Maintenance
VOTRAN
950 Big Tree Road
South Daytona, FL 32119
Telephone: 386-763-3727
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Sincerely,

Jim Brown
Waverly Media, LLC

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From: Elizabeth Suchsland <esuchsland@volusia.org>

Subject: List of Bench Locations
To: jimb@waverlymedia.com
Date: Friday, November 23, 2012, 10:29 AM

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If you have any questions, please contact me.

Elizabeth

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Elizabeth Suchsland - County Bus Bench Locations

From: <kim@waverlymedia.com>
To: <esuchsland@volusia.org>
Date: 12/7/2012 2:44 PM
Subject: County Bus Bench Locations
Attachments: County Bus Benches.xlsx

Hi Liz,

Per Jim Brown, I have attached the bus bench locations located within county limits according to our records. If you have any questions, Jim or myself will be happy to help you.

Thank You,

Kim Was
Account Manager
Waverly Media
386-322-3600

Municipality County	Map ID	Description	Customer
Deland/ Daytona	38	Woodland S of Glenwood (ESR)	
	39	Woodland N of Robinhood (ESR)	
	40	Woodland Across Robinhood (WSR)	Rue Law
	41	Woodland N of Melodie (ESR)	Grace House
	42	Woodland @ Phonix Estate (ESR)	
	43	Woodland Across Phonix Estate (WSR)	Politis
	44	Woodland Across Mills Rd (WSR)	
	45	Woodland S of W Davis (WSR)	Politis
	46	Woodland N of W Davis (ESR)	Laundry Mat
	47	17-92 N of Baxter (ESR)	Politis
	65	17-92 S of Spring Garden (WSR)	Laundry
	66	17-92 S of Lake Winona(WSR)	Politis
	67	17-92 S of 40 (WSR)	
	68	17-92 N of 40 (ESR)	
	81	ISB E of Jacobs (SSR)	Rue Law
	82	ISB Across State Troopers Bldg (SSR)	Skydive Deland
	83	ISB IFO State Troopers Bldg (NSR)	Planet Fitness
	84	ISB W of Olympia/Oak (SSR)	
	85	ISB W of Olympia/Oak (NSR)	Noahs Ark
	86	ISB W of Kepler (NSR)	BFC Fence
	87	ISB E of Kepler (SSR)	
	88	ISB E of Mid FL Golf Carts (NSR)	Planet Fitness
	89	ISB W of West Parkway (SSR)	
	90	ISB W of West Parkway (NSR)	
	91	ISB W of Big John (NSR)	
	92	ISB E of Big John (SSR)	
	93	Red John N of IBS (ESR)	T Mott
	94	Red John N of IBS (WSR)	T Mott
	95	ISB E of Collin Kelly (SSR)	
	96	ISB E of Gen. Cluster (SSR)	
	97	ISB W of Gen. Custer (NSR)	Keiser
	98	ISB W of Roosevelt (NSR)	
	99	ISB E of Roosevelt (SSR)	
	100	ISB W of 4th St (SSR)	Fox Mat.
	101	ISB E of 4th St (SSR)	Keiser
	102	ISB E of 4th St (NSR)-	
	103	ISB @ Fire Tower Road (NSR)	
	104	ISB E of Fire Tower Rd (SSR)	
	105	ISB E of Educators (NSR)	
Port Orange	12	US 1 S of Nova (WSR) IFO Scoot Inn	
	13	US 1 S of 1st bridge (WSR)	JB Fish
	14	US 1 S of Spruce Creek Park (WSR)	Dr Lester
	15	US 1 S of Divito (WSR)	B Davenport

	16	US 1 Across from Spruce Creek Park (ESR)	
	17	US 1 @ Palm Shores Park (ESR)	Air Specialists
	18	US1 S of Magnolia (ESR)	
	95	Clyde Morris N of Big Tree (ESR) IFO BB&T	Family First
	96	Clyde Morris S of Pine (ESR)	
	97	Clyde Morris N of Pine (ESR)	
	98	Clyde Morris N of Sun Pointe Apts (ESR)	
	99	Clyde Morris N of Springwood Dr (ESR)	Do Shuttle
	100	Clyde Morris S of Springwood Dr (WSR)	Do Shuttle
	101	Clyde Morris IFO Ospray Landing (WSR)	
	102	Clyde Morris S of Georgetowne (WSR)	
	103	Clyde Morris IFO Morristown Apts. (WSR)	Planet Fitness
	104	Clyde Morris N of Big Tree (WSR) IFO Park	Family First
Ormond by the Sea	1	A1A N of Brooks (ESR) IFO Surfside North	Look Twice
	2	A1A @ Breezeway (ESR)	Keiser
	3	A1A across Seaside (ESR)	
	4	A1A across from Carol (ESR)	Cow
	5	A1A N of Roberta (ESR) IFO Beach Patrol	Bettys Café
	6	A1A across Sunrise (ESR)	Cow
	7	A1A S of Bass (WSR)	Politis
	8	A1A @ Seabridge (WSR)	Cow
	9	A1A @ Ocean Aire (ESR)	Politis
	10	A1A S of Ocean Aire (WSR)	Pig
	11	A1A S of Capistrano (WSR)	
	12	A1A S of Capri (WSR)	Cow
	13	A1A S of Ocean Grove (WSR)	Pig
	14	A1A S of Surfside (WSR)	
	15	A1A S of San Jose (WSR)	Cow
	16	A1A S of Wisteria (WSR)	
	17	A1A S of Briggs (WSR)	
	18	A1A S of Berkley (WSR)	Pig
	19	A1A S of Sunrise (WSR) IFO Sunrise Condo	Murrys
	20	A1A IFO Ocean House Condo (WSR)	Murrys
	21	A1A S of Kathy (WSR)	Pig
	22	A1A N of Sunset (WSR)	Keiser
	23	A1A IFO Bicentennial Park (WSR)	Daves Fence
	24	A1A N of Seacrest (WSR)	Ash-Lee
	25	A1A N of Carol (WSR)	Crime Stoppers
	26	A1A N of Seaside (WSR)	Keiser
	27	A1A IFO Stavros (WSR)	Keiser
	28	A1A S of Tropical IFO Citgo	Ash-Lee
Ormond Beach	86	US 1 N of Coquina (ESR)	Cow
	87	US 1 N of Iron Horse (ESR)	Politis
	88	US 1 across Adilac Concrete (ESR)	
	89	US1 across Hull (ESR)	

90	US1 N of Southland (ESR)	Cow
91	US1 S of Ormond Commerce Park (ESR)	Flooring Outlet
92	US1 Across Hawaiian Tropics (ESR)	Pig
93	US1 S of 95 (WSR) IFO McDonalds	Politis
94	US1 S of Southland (WSR)	
95	US1 @ Huli (WSR)	CM Custom
96	US1 IFO Hawaiian Tropics (WSR)	Pig

From: Jim Brown <jimb@waverlymedia.com>
To: <esuchslan@volusia.org>
Date: 12/10/2012 4:22 PM
Subject: Fw: County Bench Locations
Attachments: County Bus Benches.xlsx

Hi Liz,
Just making sure you received this. I had asked Kim to send it to you Friday.
Thank you,
Jim

— On Fri, 12/7/12, kimby15@aol.com <kimby15@aol.com> wrote:

From: kimby15@aol.com <kimby15@aol.com>
Subject: County Bench Locations
To: jimb@waverlymedia.com
Date: Friday, December 7, 2012, 1:39 PM

See attached

Municipality County	Map ID	Description	Customer
Deland/ Daytona	38	Woodland S of Glenwood (ESR)	
	39	Woodland N of Robinhood (ESR)	
	40	Woodland Across Robinhood (WSR)	Rue Law
	41	Woodland N of Melodie (ESR)	Grace House
	42	Woodland @ Phonix Estate (ESR)	
	43	Woodland Across Phonix Estate (WSR)	Politis
	44	Woodland Across Mills Rd (WSR)	
	45	Woodland S of W Davis (WSR)	Politis
	46	Woodland N of W Davis (ESR)	Laundry Mat
	47	17-92 N of Baxter (ESR)	Politis
	65	17-92 S of Spring Garden (WSR)	Laundry
	66	17-92 S of Lake Winona(WSR)	Politis
	67	17-92 S of 40 (WSR)	
	68	17-92 N of 40 (ESR)	
	81	ISB E of Jacobs (SSR)	Rue Law
	82	ISB Across State Troopers Bldg (SSR)	Skydive Deland
	83	ISB IFO State Troopers Bldg (NSR)	Planet Fitness
	84	ISB W of Olympia/Oak (SSR)	
	85	ISB W of Olympia/Oak (NSR)	Noahs Ark
	86	ISB W of Kepler (NSR)	BFC Fence
	87	ISB E of Kepler (SSR)	
	88	ISB E of Mid FL Golf Carts (NSR)	Planet Fitness
	89	ISB W of West Parkway (SSR)	
	90	ISB W of West Parkway (NSR)	
	91	ISB W of Big John (NSR)	
	92	ISB E of Big John (SSR)	
	93	Red John N of IBS (ESR)	T Mott
	94	Red John N of IBS (WSR)	T Mott
	95	ISB E of Collin Kelly (SSR)	
	96	ISB E of Gen. Cluster (SSR)	
	97	ISB W of Gen. Custer (NSR)	Keiser
	98	ISB W of Roosevelt (NSR)	
	99	ISB E of Roosevelt (SSR)	
	100	ISB W of 4th St (SSR)	Fox Mat.
	101	ISB E of 4th St (SSR)	Keiser
	102	ISB E of 4th St (NSR)-	
	103	ISB @ Fire Tower Road (NSR)	
	104	ISB E of Fire Tower Rd (SSR)	
	105	ISB E of Educators (NSR)	
Port Orange	12	US 1 S of Nova (WSR) IFO Scoot Inn	
	13	US 1 S of 1st bridge (WSR)	JB Fish
	14	US 1 S of Spruce Creek Park (WSR)	Dr Lester
	15	US 1 S of Divito (WSR)	B Davenport

	16	US 1 Across from Spruce Creek Park (ESR)	
	17	US 1 @ Palm Shores Park (ESR)	Air Specialists
	18	US1 S of Magnolia (ESR)	
	95	Clyde Morris N of Big Tree (ESR) IFO BB&T	Family First
	96	Clyde Morris S of Pine (ESR)	
	97	Clyde Morris N of Pine (ESR)	
	98	Clyde Morris N of Sun Pointe Apts (ESR)	
	99	Clyde Morris N of Springwood Dr (ESR)	Do Shuttle
	100	Clyde Morris S of Springwood Dr (WSR)	Do Shuttle
	101	Clyde Morris IFO Ospray Landing (WSR)	
	102	Clyde Morris S of Georgetowne (WSR)	
	103	Clyde Morris IFO Morristown Apts. (WSR)	Planet Fitness
	104	Clyde Morris N of Big Tree (WSR) IFO Park	Family First
Ormond by the Sea	1	A1A N of Brooks (ESR) IFO Surfside North	Look Twice
	2	A1A @ Breezeway (ESR)	Keiser
	3	A1A across Seaside (ESR)	
	4	A1A across from Carol (ESR)	Cow
	5	A1A N of Roberta (ESR) IFO Beach Patrol	Bettys Café
	6	A1A across Sunrise (ESR)	Cow
	7	A1A S of Bass (WSR)	Politis
	8	A1A @ Seabridge (WSR)	Cow
	9	A1A @ Ocean Aire (ESR)	Politis
	10	A1A S of Ocean Aire (WSR)	Pig
	11	A1A S of Capistrano (WSR)	
	12	A1A S of Capri (WSR)	Cow
	13	A1A S of Ocean Grove (WSR)	Pig
	14	A1A S of Surfside (WSR)	
	15	A1A S of San Jose (WSR)	Cow
	16	A1A S of Wisteria (WSR)	
	17	A1A S of Briggs (WSR)	
	18	A1A S of Berkley (WSR)	Pig
	19	A1A S of Sunrise (WSR) IFO Sunrise Condo	Murrays
	20	A1A IFO Ocean House Condo (WSR)	Murrays
	21	A1A S of Kathy (WSR)	Pig
	22	A1A N of Sunset (WSR)	Keiser
	23	A1A IFO Bicentennial Park (WSR)	Daves Fence
	24	A1A N of Seacrest (WSR)	Ash-Lee
	25	A1A N of Carol (WSR)	Crime Stoppers
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90	US1 N of Southland (ESR)	Cow
91	US1 S of Ormond Commerce Park (ESR)	Flooring Outlet
92	US1 Across Hawiian Tropics (ESR)	Pig
93	US1 S of 95 (WSR) IFO McDonalds	Politis
94	US1 S of Southland (WSR)	
95	US1 @ Hull (WSR)	CM Custom
96	US1 IFO Hawiian Tropics (WSR)	Pig

From: Elizabeth Suchsland
To: jimb@waverlymedia.com
Date: 12/10/2012 4:31 PM
Subject: Re: Fw: County Bench Locations

Yes, thank you very much.

Elizabeth Suchsland
Assistant General Manager of Operations and Maintenance
VOTRAN
950 Big Tree Road
South Daytona, FL 32119
Telephone: 386-763-3727
Fax: 386-756-7487
Cell - 386-216-6983

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>>> Jim Brown <jimb@waverlymedia.com> 12/10/2012 4:18 PM >>>

Hi Liz,

Just making sure you received this. I had asked Kim to send it to you Friday.

Thank you,

Jim

— On Fri, 12/7/12, kimby15@aol.com <kimby15@aol.com> wrote:

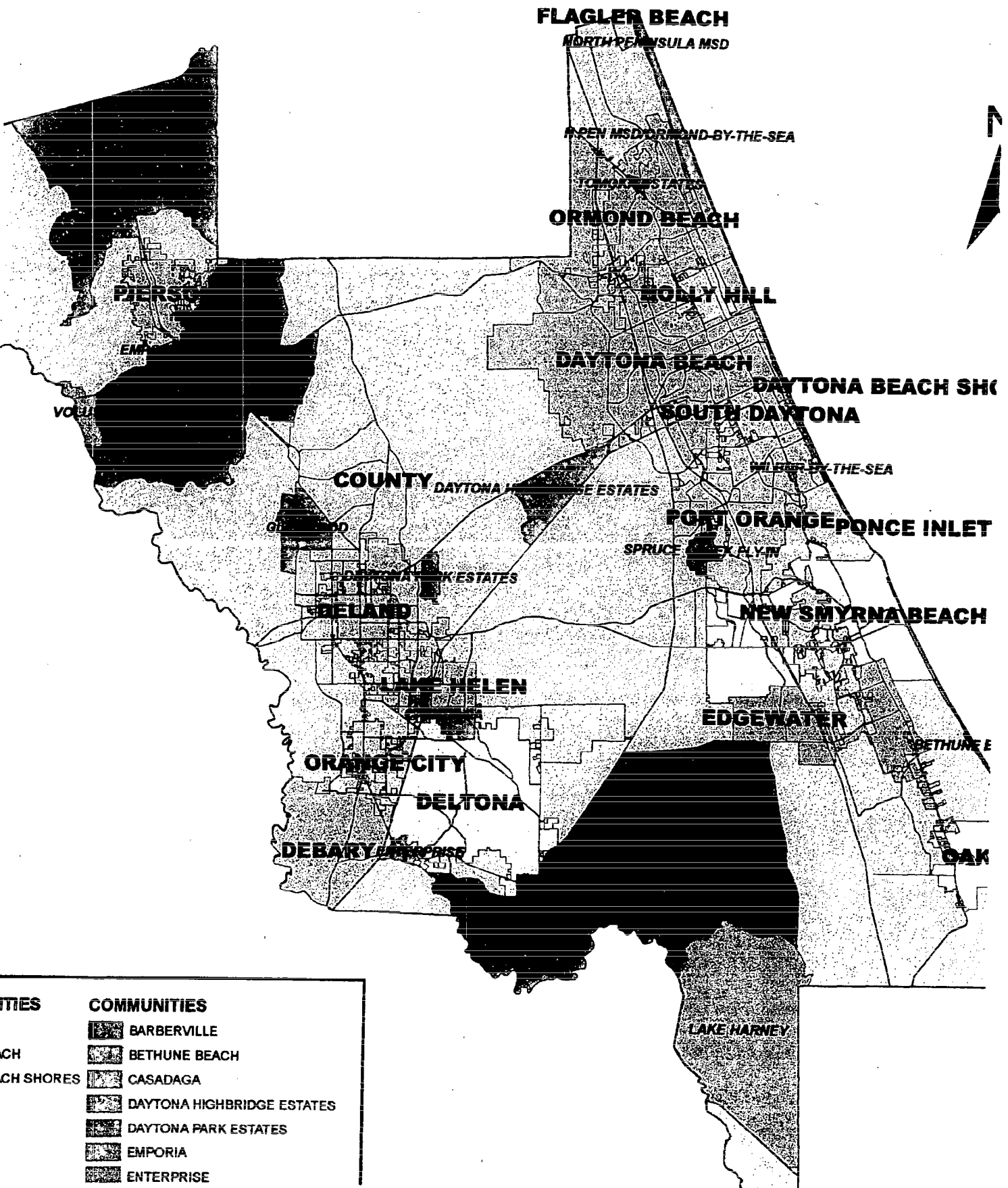
From: kimby15@aol.com <kimby15@aol.com>
Subject: County Bench Locations
To: jimb@waverlymedia.com
Date: Friday, December 7, 2012, 1:39 PM

See attached

From: Elizabeth Suchsland
To: jimb@waverlyMedia.com
Date: 12/11/2012 8:49 AM
Subject: County Map
Attachments: VCitiesComm121012.pdf

Orange City's Designated Planning Area and Wilbur by the Sea are being excluded.

Please let me know if you have any questions.



CITIES

COMMUNITIES

EACH

EACH SHORES

R

From: Jim Brown <jimb@waverlymedia.com>
To: Elizabeth Suchsland <esuchsland@volusia.org>
Date: 12/11/2012 9:59 AM
Subject: Re: County Map

Wilbur By The Sea is "being excluded" from what?

— On Tue, 12/11/12, Elizabeth Suchsland <esuchsland@volusia.org> wrote:

From: Elizabeth Suchsland <esuchsland@volusia.org>
Subject: County Map
To: jimb@waverlymedia.com
Date: Tuesday, December 11, 2012, 8:49 AM

Orange City's Designated Planning Area and Wilbur by the Sea are being excluded.

Please let me know if you have any questions.

From: Elizabeth Suchsland
To: jimb@waverlymedia.com
Date: 12/11/2012 10:21 AM
Subject: Re: County Map

Wilbur by the Sea are will not be included in areas for bus bench advertising.

Elizabeth Suchsland
Assistant General Manager of Operations and Maintenance
VOTRAN
950 Big Tree Road
South Daytona, FL 32119
Telephone: 386-763-3727
Fax: 386-756-7487
Cell - 386-216-6983

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>>> Jim Brown <jimb@waverlymedia.com> 12/11/2012 9:58 AM >>>
Wilbur By The Sea is "being excluded" from what?

— On Tue, 12/11/12, Elizabeth Suchsland <esuchsland@volusia.org> wrote:

From: Elizabeth Suchsland <esuchsland@volusia.org>
Subject: County Map
To: jimb@waverlymedia.com
Date: Tuesday, December 11, 2012, 8:49 AM

Orange City's Designated Planning Area and Wilbur by the Sea are being excluded.

Please let me know if you have any questions.

From: Jim Brown <jimb@waverlymedia.com>
To: Elizabeth Suchsland <esuchsland@volusia.org>
Date: 12/11/2012 10:28 AM
Subject: Re: County Map

Might I ask who is responsible for that decision?

— On Tue, 12/11/12, Elizabeth Suchsland <esuchsland@volusia.org> wrote:

From: Elizabeth Suchsland <esuchsland@volusia.org>
Subject: Re: County Map
To: jimb@waverlymedia.com
Date: Tuesday, December 11, 2012, 10:21 AM

Wilbur by the Sea are will not be included in areas for bus bench advertising.

Elizabeth Suchsland
Assistant General Manager of Operations and Maintenance
VOTRAN
950 Big Tree Road
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>>> Jim Brown <jimb@waverlymedia.com> 12/11/2012 9:58 AM >>>
Wilbur By The Sea is "being excluded" from what?

— On Tue, 12/11/12, Elizabeth Suchsland <esuchsland@volusia.org> wrote:

From: Elizabeth Suchsland <esuchsland@volusia.org>
Subject: County Map
To: jimb@waverlymedia.com
Date: Tuesday, December 11, 2012, 8:49 AM

Orange City's Designated Planning Area and Wilbur by the Sea are being excluded.

Please let me know if you have any questions.

From: Joette Enfinger
To: Sherrer, Steven
CC: Blanck, Heather; Byron, Dave; Cotton, John; Dorsten, Jim
Date: 12/12/2012 11:05 AM
Subject: Re: Bus Bench ADA Accessibility - right of way info

Hi Steven,

Clyde Morris and Red John Drive are the only County Roads on your list. Clyde Morris has 100 feet of deed right of way from Big Tree to Beville with an additional 10 feet on the east side from Big Tree north approx. 400 feet. Red John Drive is prescriptive. However, the County owns the property on the east side and there appears to be plenty of room on the west side. To determine exactly where the right of way line is, you would need to have it surveyed.

The remainder of the roads on the list are State roads. Pat Volz at FDOT in DeLand could provide you with right of way widths or put you in contact with someone who could. Her number is 943-5113.

If you have any questions, please feel free to contact me.

Joette

Joette W. Enfinger
Right of Way Manager
County of Volusia
123 W. Indiana Avenue, Rm 402
DeLand, FL 32720-4262
386-736-5967 ext. 12455
E-mail: jenfinger@volusia.org

>>> Steven Sherrer 12/11/2012 8:58 AM >>>

Joette,

Votran is in the process of analyzing the ADA accessibility of bus benches throughout the county. A good number of the benches placed by the current contractor are not ADA accessible and Votran is working to create a standard that can be used to get benches up to ADA requirements.

One of the challenges with bringing these benches up to ADA is determining the right of way available at the different locations to determine how much space we've got to work with when we start building pads and ramps etc... In a recent meeting with County Management and Legal it was suggested that I contact you for assistance once I received a current bus bench list from our contractor. I finally received an updated list which I have attached. Additionally, I have attached the final draft (which will become the final document very soon) of the document Tindale-Oliver document Votran will use as an attachment to the RFP for a new bus bench advertising contract.

Are you the person I need to talk to regarding right of way availability at stops and if so what additional information beyond the attached list will help you in gathering this information?

I appreciate any help you can provide.

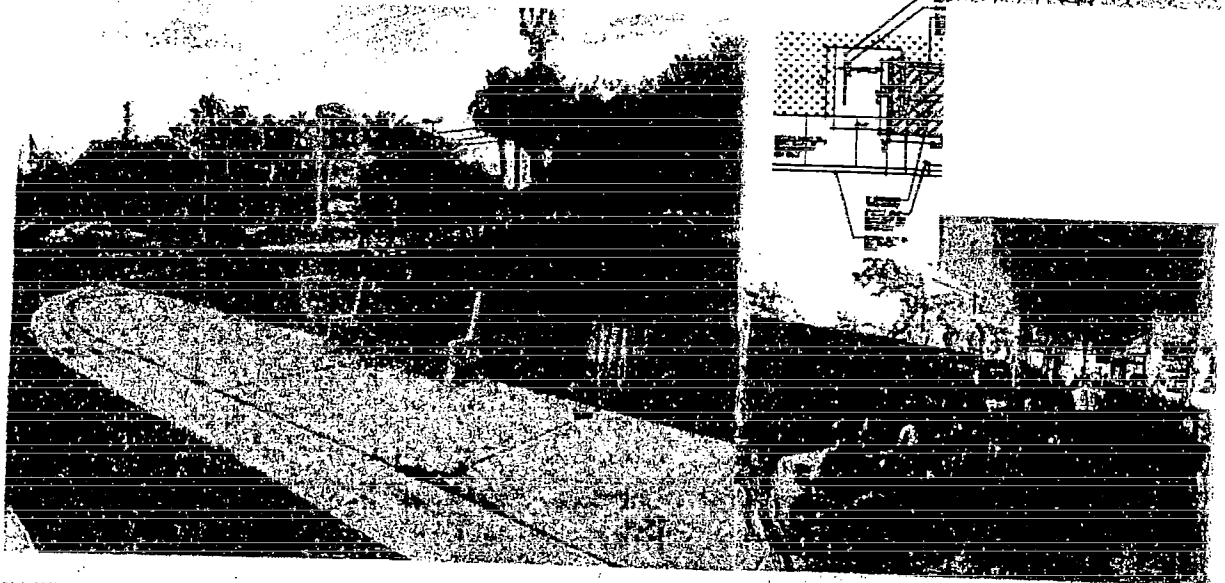
Steve Sherrer
General Manager
Votran
950 Big Tree Road
South Daytona, FL 32119
(t) 386-756-7496, x 4126
(f) 386-756-7487
ssherrer@co.volusia.fl.us

12/11/12 @ 2:30

65 approx. Unincorporated

Financr - CR

Municipality County	Map ID	Description	Customer
Deland/ Daytona	38	Woodland S of Glenwood (ESR)	
	39	Woodland N of Robinhood (ESR)	
	40	Woodland Across Robinhood (WSR)	Rue Law
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	45	Woodland S of W Davis (WSR)	Politis
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	81	ISB E of Jacobs (SSR)	Rue Law
	82	ISB Across State Troopers Bldg (SSR)	Skydive Deland
	83	ISB IFO State Troopers Bldg (NSR)	Planet Fitness
	84	ISB W of Olympia/Oak (SSR)	
	85	ISB W of Olympia/Oak (NSR)	Noahs Ark
	86	ISB W of Kepler (NSR)	BFC Fence
	87	ISB E of Kepler (SSR)	
	88	ISB E of Mid FL Golf Carts (NSR)	Planet Fitness
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	94	Red John N of IBS (WSR)	T Mott
	95	ISB E of Collin Kelly (SSR)	
	96	ISB E of Gen. Cluster (SSR)	
	97	ISB W of Gen. Custer (NSR)	Keiser
	98	ISB W of Roosevelt (NSR)	
	99	ISB E of Roosevelt (SSR)	
	100	ISB W of 4th St (SSR)	Fox Mat.
	101	ISB E of 4th St (SSR)	Keiser
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	14	US 1 S of Spruce Creek Park (WSR)	Dr Lester
	15	US 1 S of Divito (WSR)	B Davenport



TECHNICAL DESIGN STANDARDS FOR ACCESSIBLE BUS STOPS

PREPARED FOR
VOLUSIA COUNTY GOVERNMENT
VOTRAN PUBLIC TRANSIT SYSTEM
OCTOBER 2012



Tindale-Oliver
&
Associates, Inc.
Planning and Engineering

TECHNICAL DESIGN STANDARDS FOR ACCESSIBLE BUS STOPS

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TECHNICAL DESIGN STANDARDS FOR ACCESSIBLE BUS STOPS

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1.0 INTRODUCTION

1.1 OVERVIEW

The Volusia County's public transit system, Votran, is interested in improving access and control of bus stops established throughout its service area, as well as providing comprehensive guidance and standards for the placement, maintenance, and usability of related bus stop amenities to other entities that are allowed to place bus stops and amenities in the public right-of-way. This document will address the accessibility of bus stops and the placement of amenities at bus stops in accordance with applicable requirements of the ADAAG (Americans with Disabilities Act Accessibility Guidelines) as revised and published by the U.S. Access Board on July 26, 2004, and adopted as regulatory requirements by the U.S. Department of Transportation on November 29, 2006, as well as in consideration of the Florida Building Code, Chapter 11, 2012 Florida Accessibility Code (FAC) (effective March 15, 2012).

To ensure a consistent approach to siting, placing, maintaining, and meeting standards related to transit stops and amenities, these guidelines for the design and placement of bus stops have been developed. The standards and design templates included in this document have been developed with respect to the requirements of the ADAAG, the FAC, and, where applicable, those standards adopted by Florida Department of Transportation (FDOT) from the Public Rights-of-Way Accessibility Guidelines issued by the U.S. Access Board. These standards and requirements help address issues related to the accessibility of bus stop facilities when placed in the public right-of-way. The standards include the following categories:

- Pedestrian access pathways
- Wheelchair maneuvering clearances
- Design characteristics
- Placement characteristics for bus stop passenger access

The goal of this design document is to promote consistency in bus stop placement and design throughout the Votran transit service area and to encourage the use of the stops by the general public and individuals with disabilities.

This document is intended as a design guide to be used to meet Federal, FDOT, and local standards as they exist based on the date of issue.

Consideration of existing Votran bus stop design standards and operational guidelines as detailed in the August 29, 2007, "Votran Transit Development Design Guidelines" manual as it pertains to the placement and design of bus stops has not been incorporated in this document except where changes in code compliance have occurred to accommodate those materials previously used by Votran staff in the design, maintenance, repair, and placement of bus stops. It must be noted that the 2007 document references the FDOT Accessing Transit guidelines (March 2004) for design guidance. The Accessing Transit guidelines were updated in 2008 and, as of this writing, this handbook is undergoing another update to include the ADAAG and FAC code changes occurring since 2004, among other enhancements.

1.0 INTRODUCTION

1.2 DISCLAIMER

The guidelines included in this document are intended to provide general parameters for personnel and organizations when designing and placing bus stops and amenities in the public right-of-way. This document is not intended to be an engineering design manual, and it does not provide site-specific detailed public transit, engineering, architectural, construction, or legal information. Users of this document will need to adjust the information contained in the guidelines to site-specific needs, constraints, and applicable laws, regulations, and ordinances. If a user desires expert advice concerning any of the information in these guidelines, the user is encouraged to retain the services of an appropriate expert.

Some bus stops, public seating benches, and other amenities at bus stops currently in place in the public domain at existing Votran transit facilities are inconsistent with the goals and guidelines presented in this document. In some instances, bus stop conditions and placement are defined by the underdeveloped corridors or roads they serve. In these cases, application of the design guidelines in this document may be limited by a lack of right-of-way development, constraints due to the natural terrain, unimproved roadways with no infrastructure (e.g., curb, gutter, drainage, sidewalks, etc.), or because of the policies and standards of the jurisdiction in which the bus stop is located. Because of these conditions, Votran may not be able to improve the public right-of-way sufficient to support an accessible bus stop placement until such time as major improvements are planned and funded. The facilities can best be improved through a coordinated planning and design effort between Votran and the local agencies responsible for maintaining and upgrading the roadway and pedestrian rights-of-way.

Votran has a responsibility to ensure that bus stops and amenities are placed in a manner that provides access and use by individuals with disabilities and must, therefore, use non-discriminatory judgment when planning for the placement of bus stops for public use. This judgment may result in refusal by Votran to either place or allow placement of a bus stop at a desired location because site conditions prevent an accessible environment resulting in a non-accessible transit stop. Establishment of a new bus stop at a site where full access is afforded is mandated by the ADA.

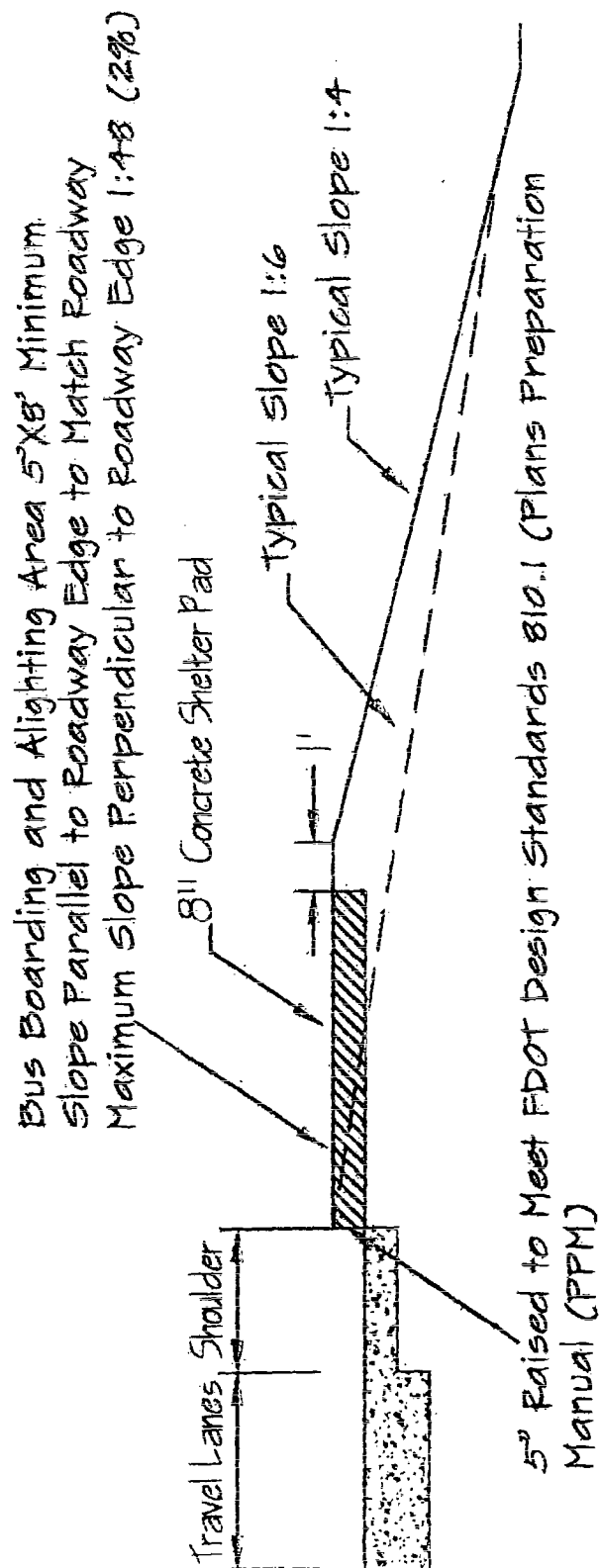
2.0 BUS STOP DESIGN PROTOTYPES

2.1 OVERVIEW

Successfully providing transit that is accessible to all individuals requires a balanced mix of local and state agency coordination and consideration regarding needs, costs, location, federal and state regulations, public relations, and transit-dependent populations. Better accessibility within the bus stop area ensures a comfortable and safe movement of passengers at a bus stop. Mobility aid users, older adults, individuals with disabilities, and passengers needing assistance (such as parents with strollers and shoppers with bags) will have less difficulty boarding and alighting the bus when there is a level and unobstructed area. ADA standards require all bus stops to have sufficient space for a boarding and alighting area that has a firm, stable, and slip-resistant surface to accommodate boarding and alighting at the stop.

The following section contains design prototypes for ADA-compliant bus stops, including the coordination of bus stop elements such as bus stop signs, benches, and shelters. Any contracted improvements at Votran bus stops in Volusia County are required to meet the design criteria specified in these prototypes.

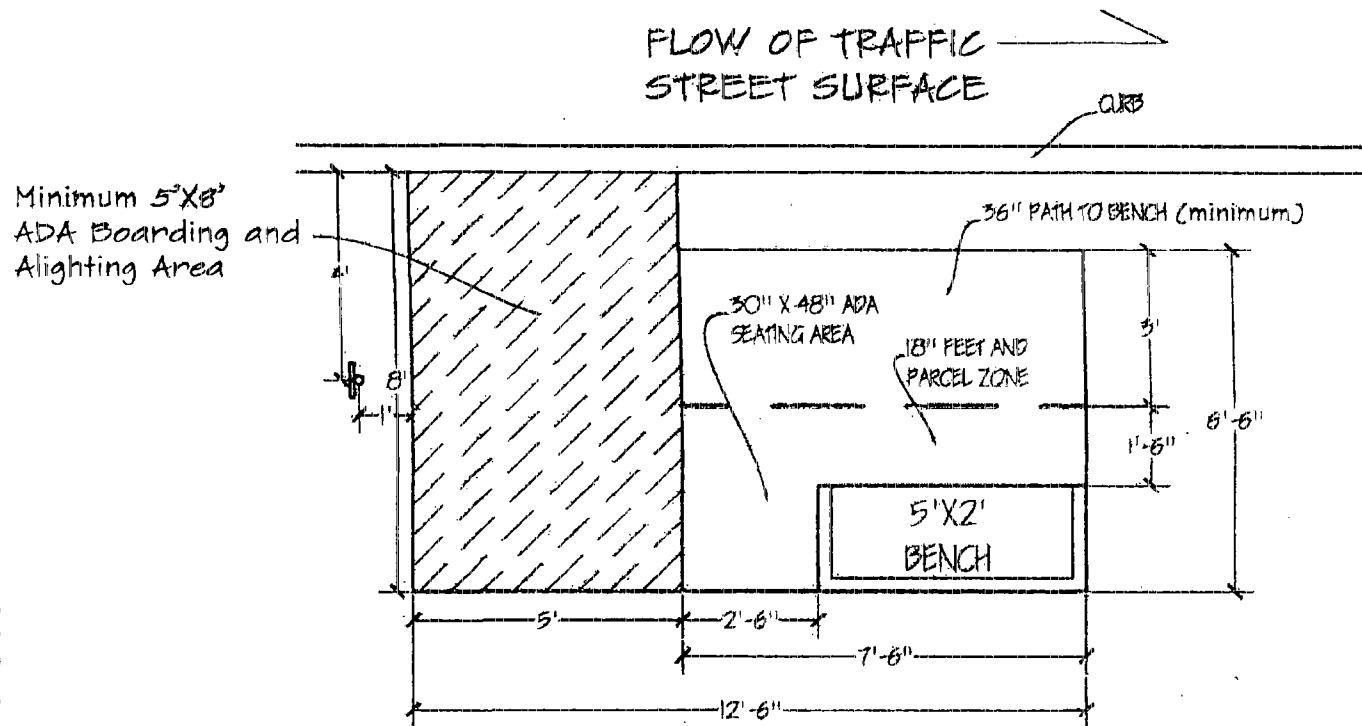
2.0 BUS STOP DESIGN PROTOTYPES



VOTRAN BUS STOP DESIGN
Basic Bus Stop Grade and Slopes
October 2012

2.2 Basic Bus Stop Grade and Slopes

2.0 BUS STOP DESIGN PROTOTYPES

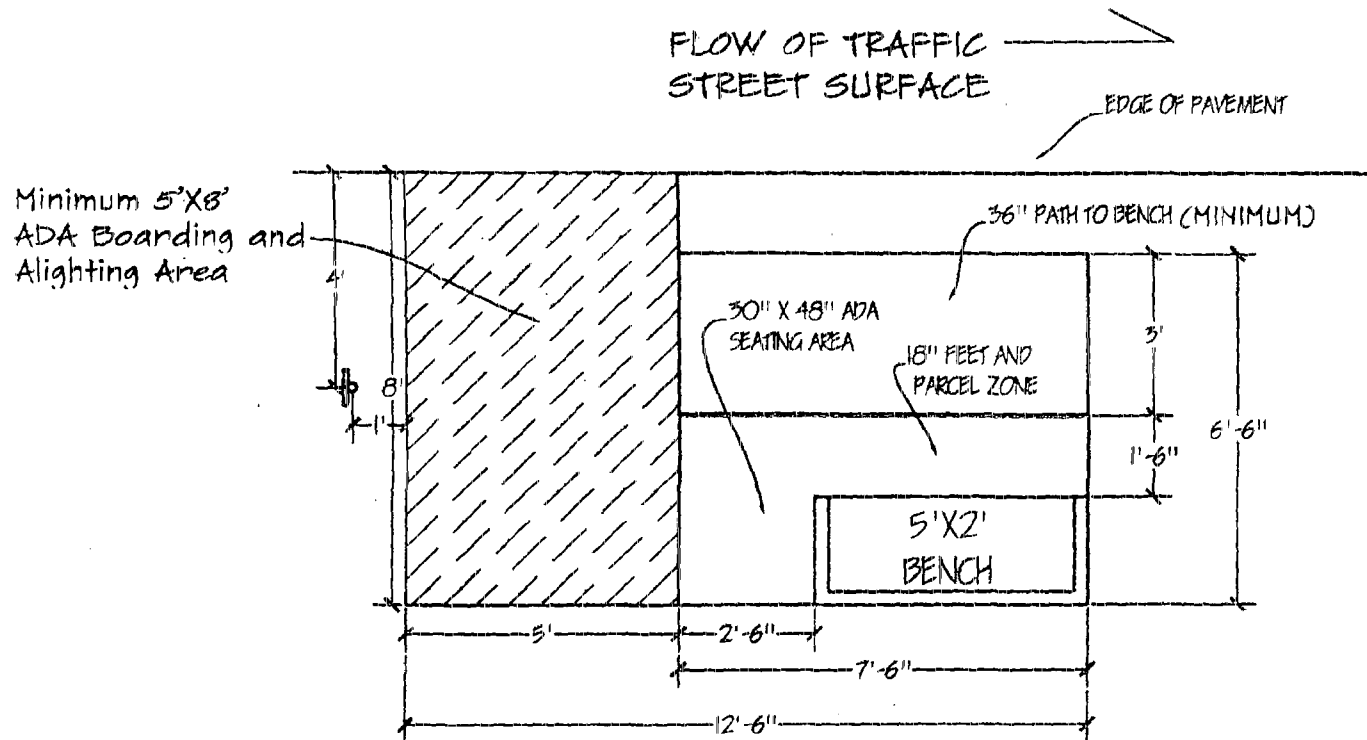


VOTRAN BUS STOP DESIGN

Bus Bench Pad: Curb without Sidewalk or Path
October 2012

Not to Scale

2.0 BUS STOP DESIGN PROTOTYPES

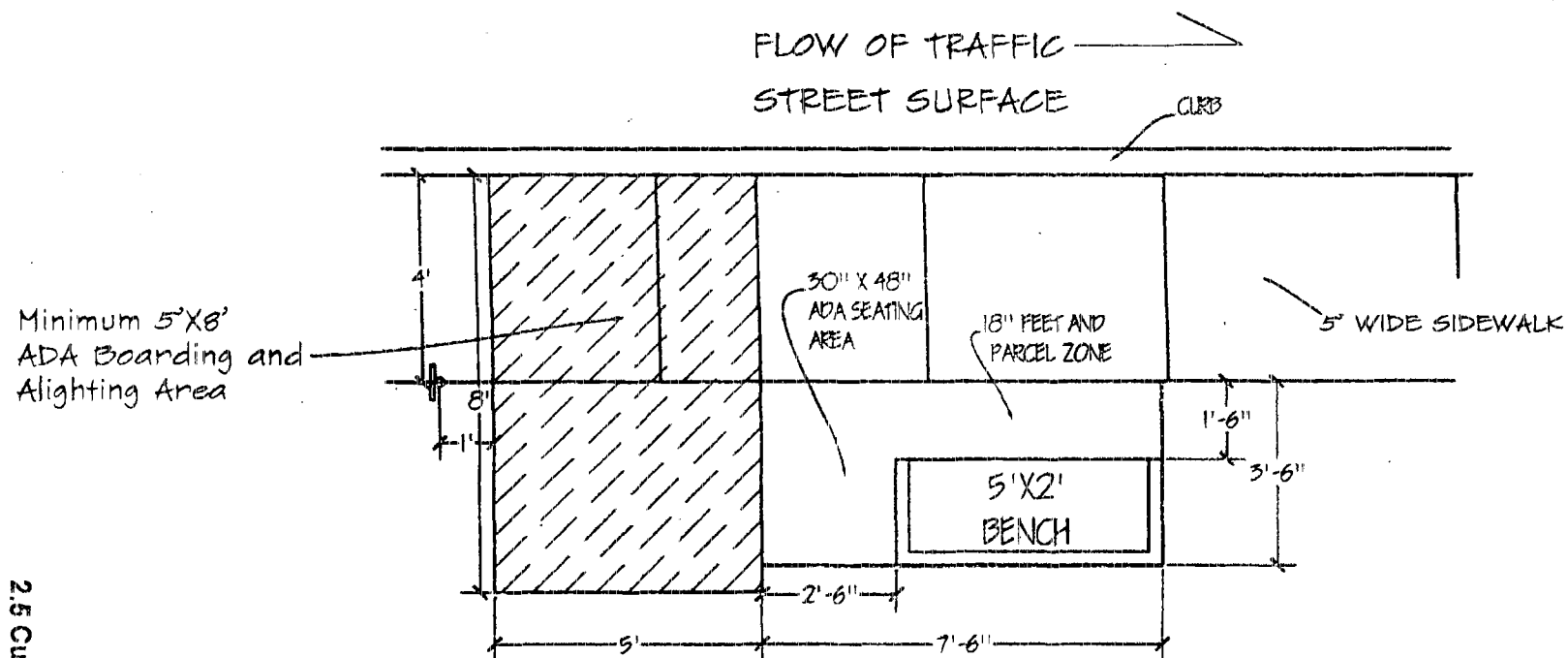


VOTRAN BUS STOP DESIGN

Bus Bench Pad: No Curb without Sidewalk on Path
October 2012

Not to Scale

2.0 BUS STOP DESIGN PROTOTYPES

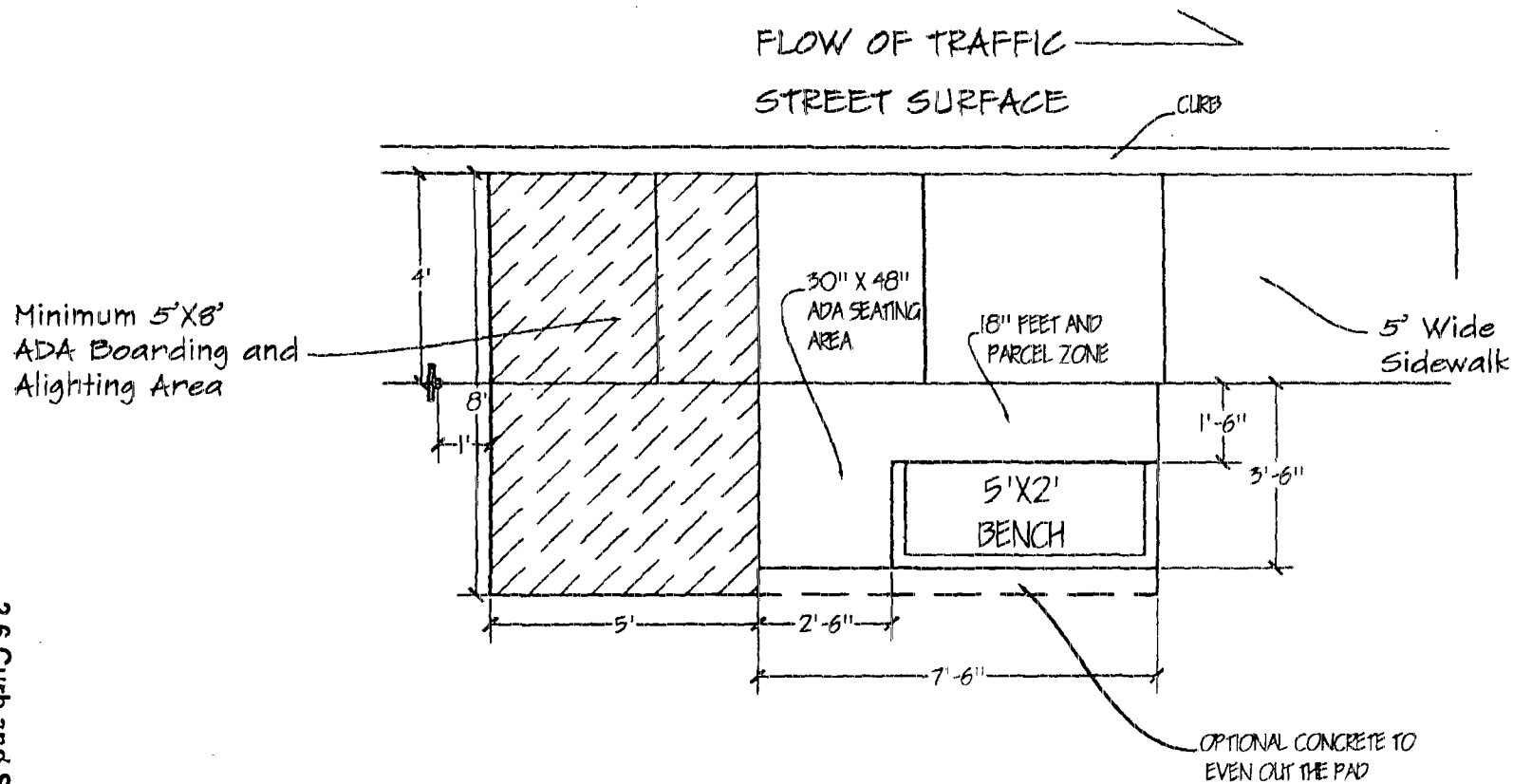


VOTRAN BUS STOP DESIGN
 Bus Bench Pad: curb sidewalk
 October 2012 Not to Scale

2.5 Curb and Sidewalk

VOTRAN

2.0 BUS STOP DESIGN PROTOTYPES



VOTRAN BUS STOP DESIGN
 Bus Bench Pad: Curb Sidewalk
 October 2012 Not to Scale

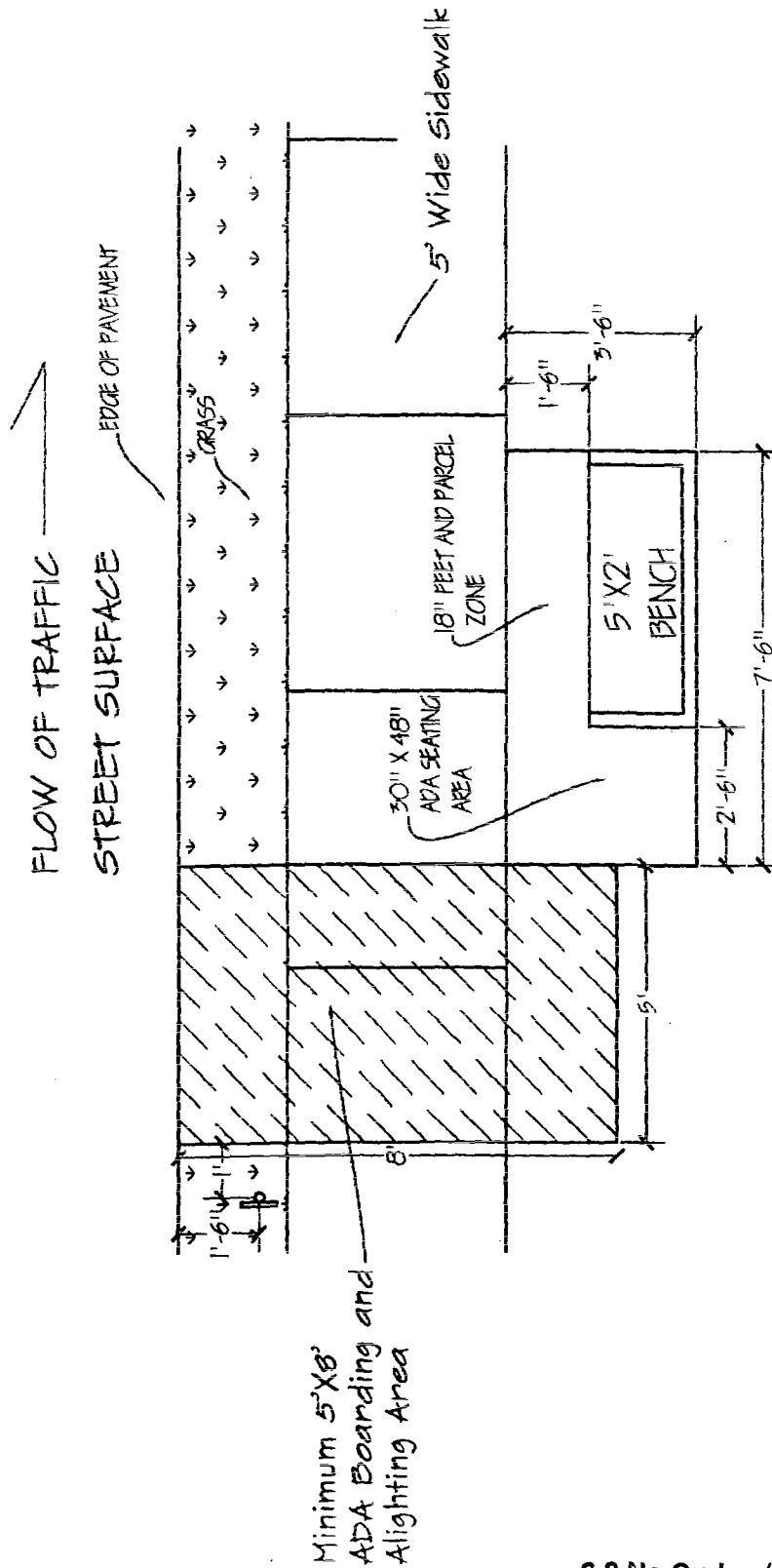
Wobran
ESTABLISHED 1882



Bus Bench Pad: Curb Grass Sidewalk or Path
Not to Scale
October 2012

2.7 Curb w/ Grass, Sidewalk, or Path

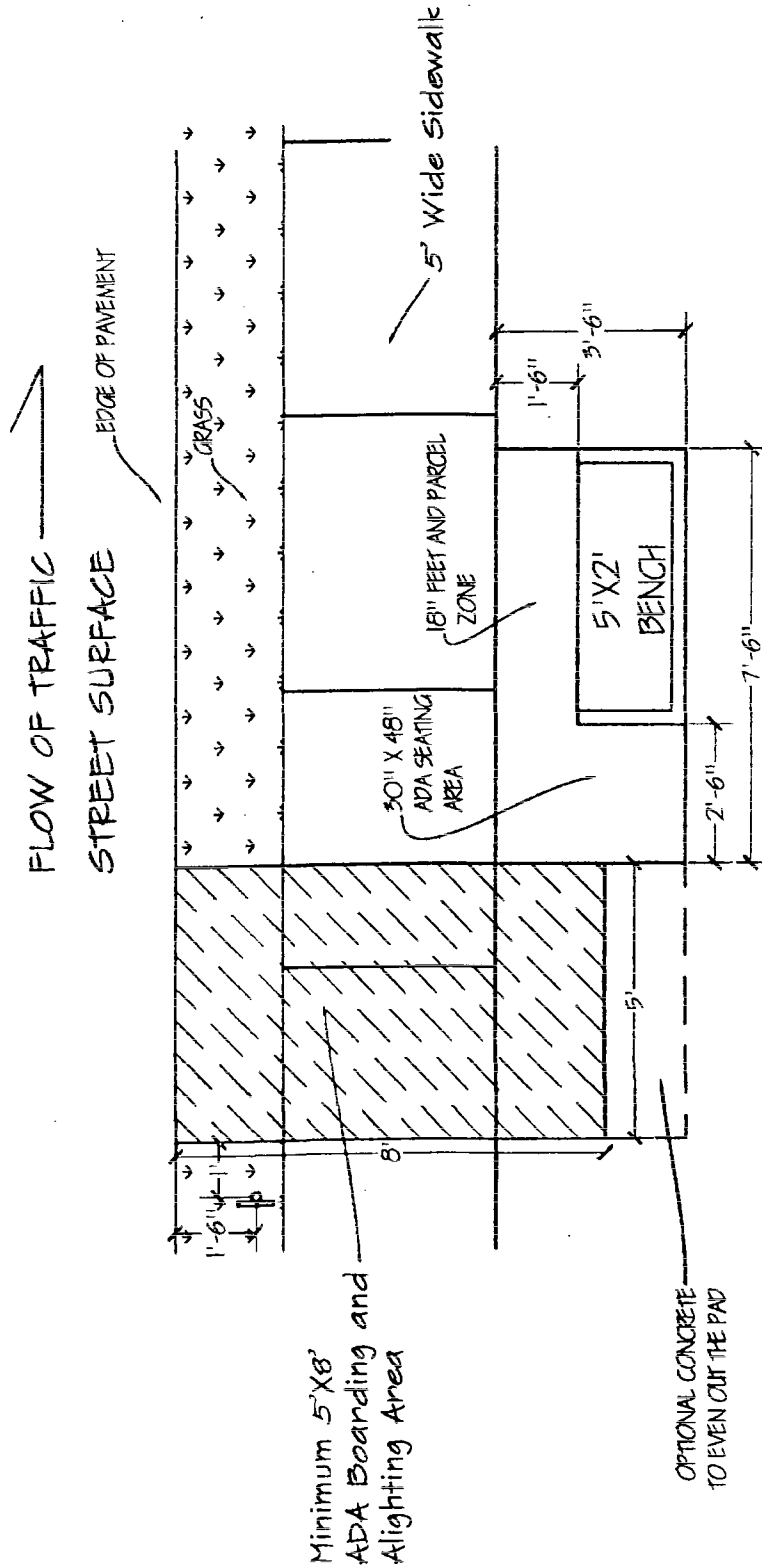
2.0 BUS STOP DESIGN PROTOTYPES



VOTRAN BUS STOP DESIGN
 Bus Bench Pad: No Curb Grass Sidewalk or Path
 October 2012
 Not to Scale

2.8 No Curb w/ Grass, Sidewalk, or Path

2.0 BUS STOP DESIGN PROTOTYPES



VOTRAN BUS STOP DESIGN

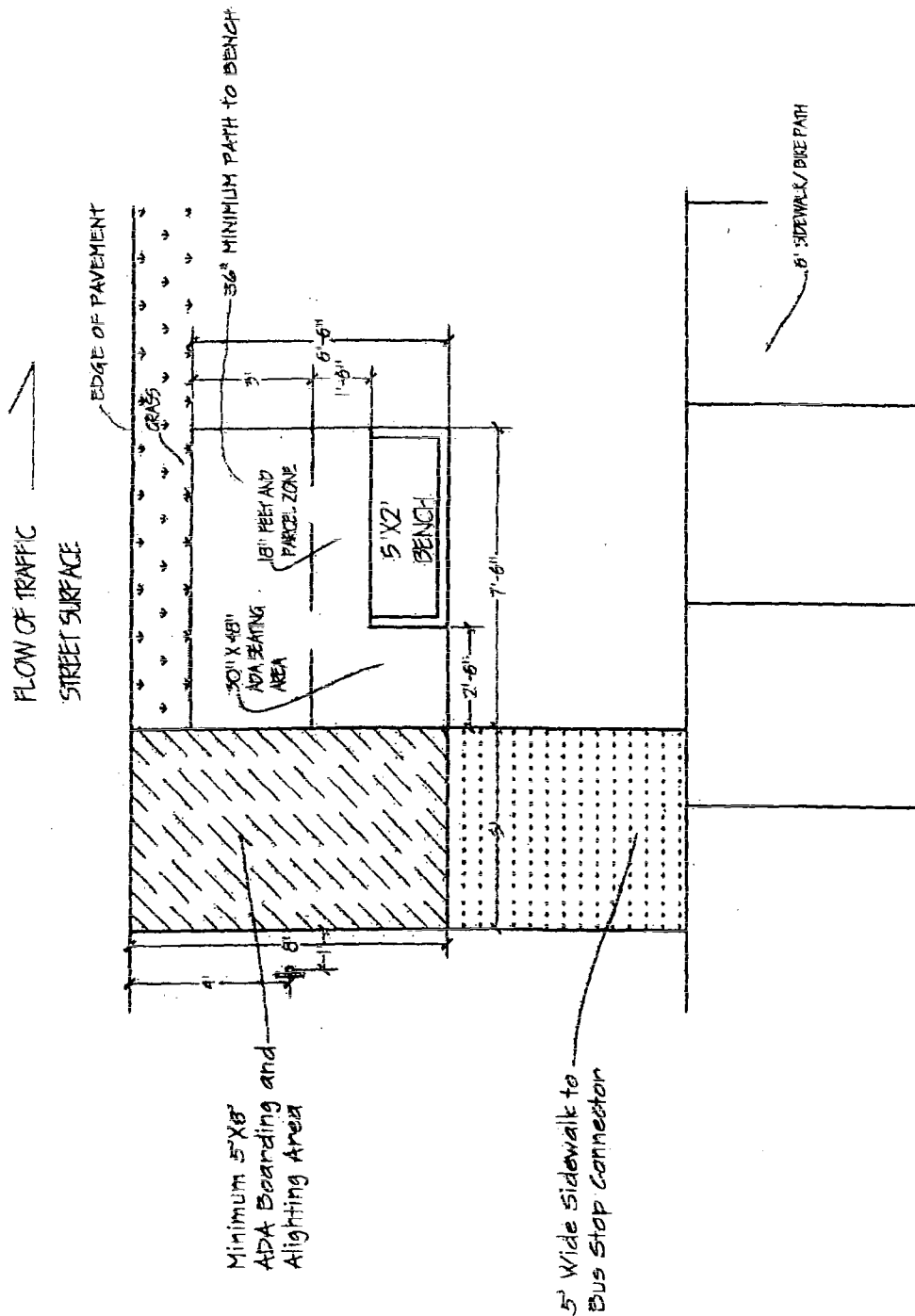
Bus Bench Pad: No Curb Grass Sidewalk or Path

October 2012

Not to Scale

2.9 No Curb w/ Grass, Sidewalk, or Path w/ Extension

2.0 BUS STOP DESIGN PROTOTYPES



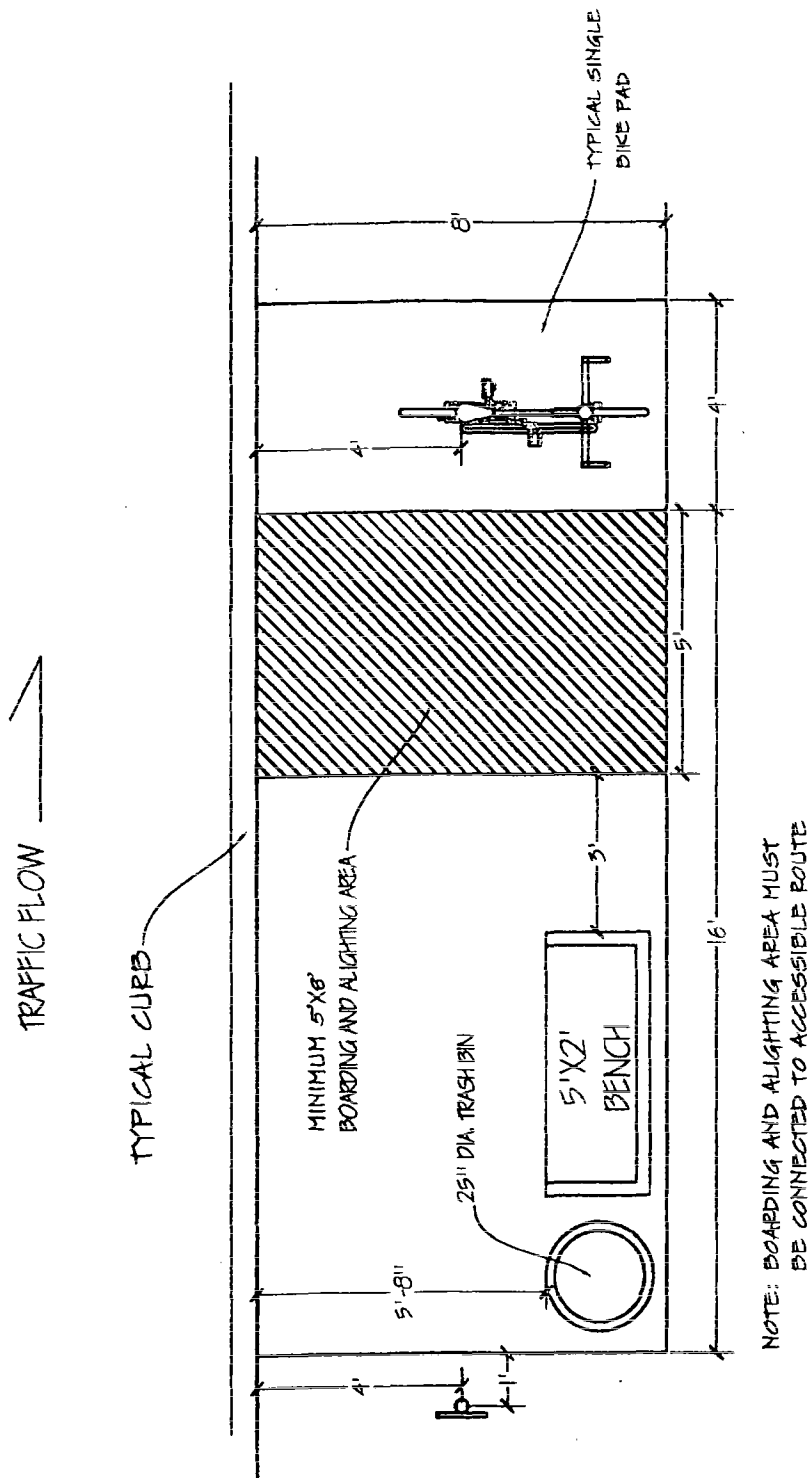
VOTRAN BUS STOP DESIGN

Bus Bench Pad: No Curb Grass Sidewalk w/ Connector
Not to Scale

October 2012

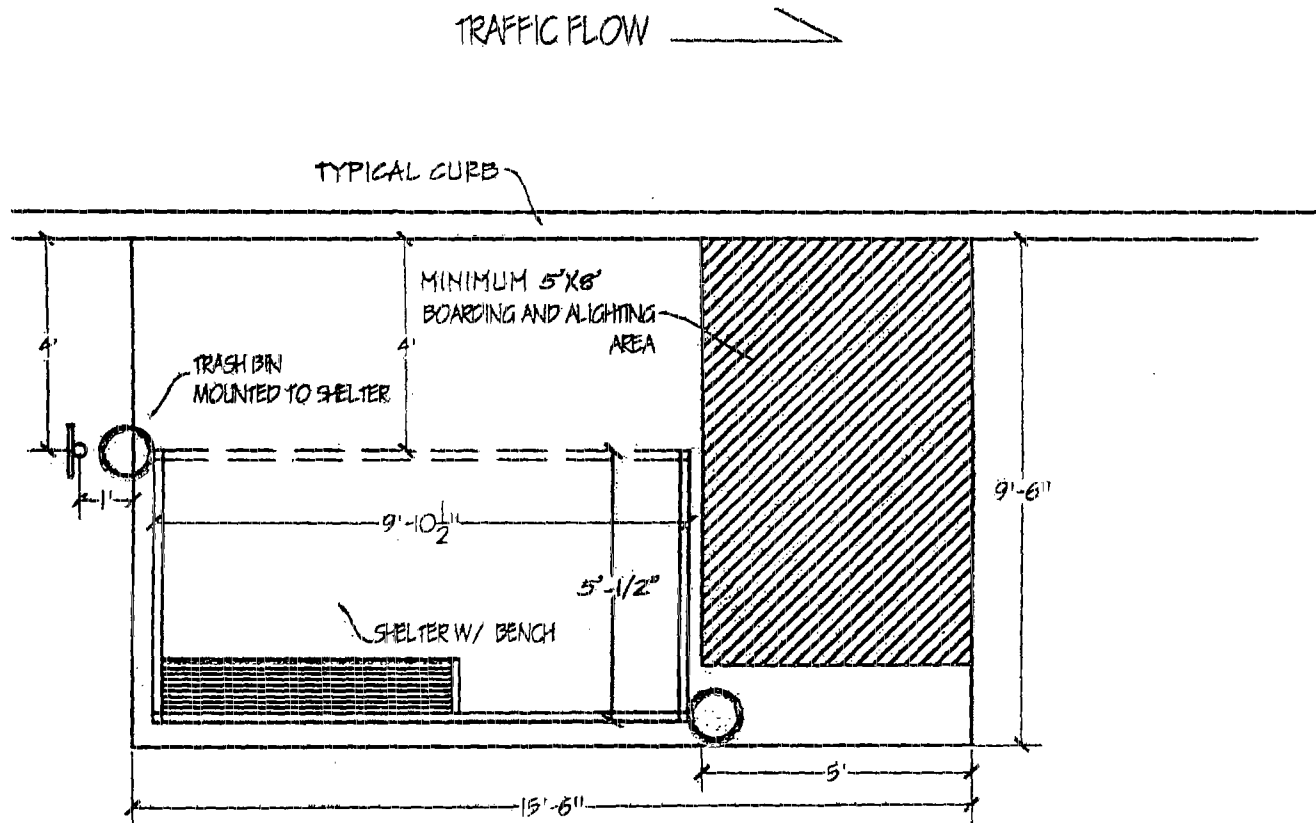
2.12 No Curb w/ Grass and Sidewalk w/ Connector

2.0 BUS STOP DESIGN PROTOTYPES



VOTRAN BUS STOP DESIGN
 Bus Bench Pad: Shelter w/ Bench, Trash Bin & Bike Rack
 October 2012
 Not to Scale

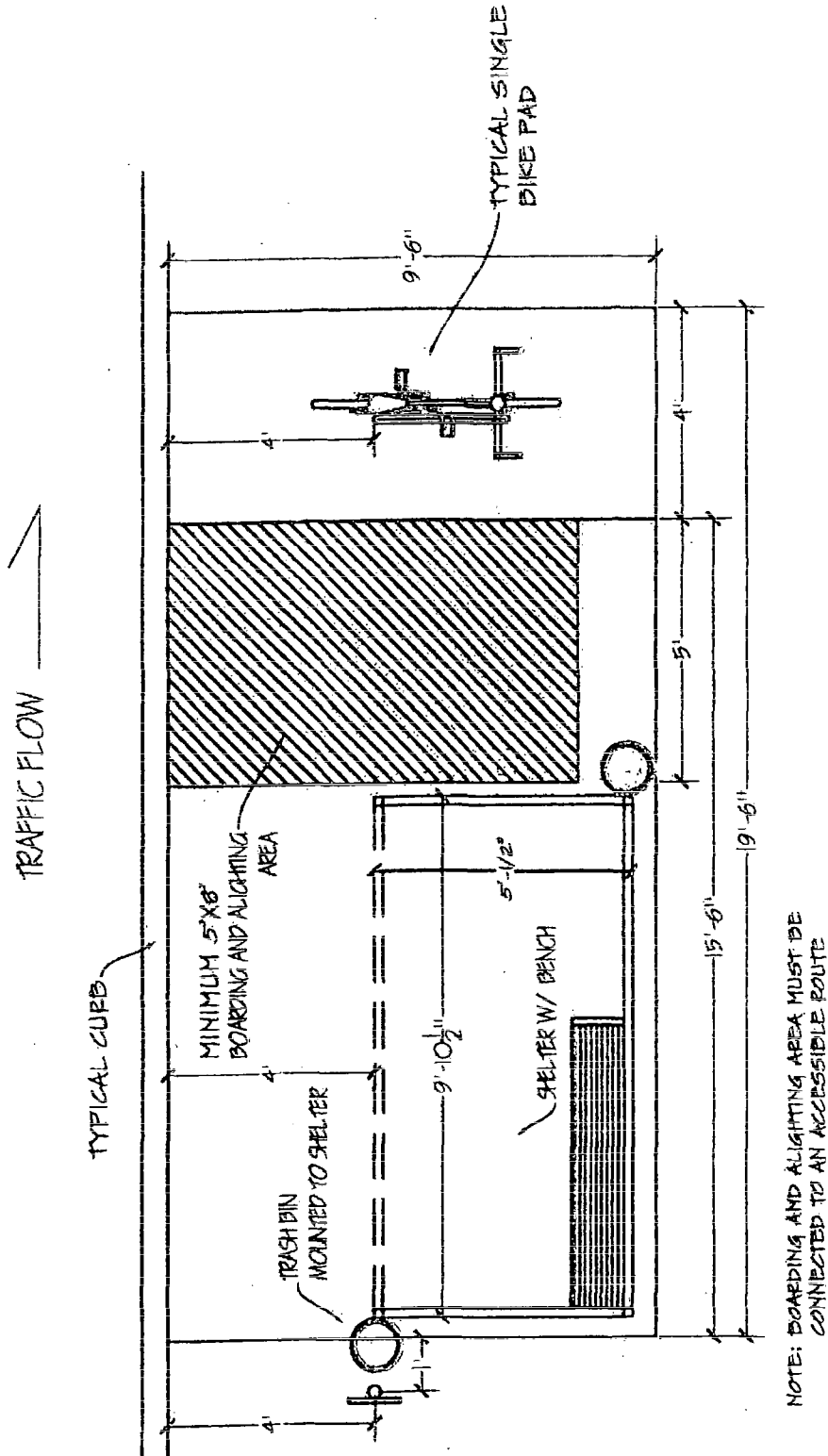
2.0 BUS STOP DESIGN PROTOTYPES



NOTE: BOARDING AND ALIGHTING AREA MUST BE CONNECTED TO AN ACCESSIBLE ROUTE

VOTRAN BUS STOP DESIGN
 Bus Bench Pad: Shelter w/ Trash Bin
 October 2012
 Not to Scale

2.0 BUS STOP DESIGN PROTOTYPES



VOTRAN BUS STOP DESIGN

Bus Bench Pad: Shelter w/ Bike Pad & Trash Bin

October 2012

Not to Scale

3.0 GENERAL ACCESSIBILITY GUIDELINES

3.1 ELEMENTS OF AN ACCESSIBLE ENVIRONMENT

Bus stops should be designed to make transit more convenient, accessible, and aesthetically appealing to transit users. These measures are necessary if public transportation is to compete effectively with other transportation modes. The proper design of bus stop zones and adjacent curbs can increase transit access and convenience by eliminating barriers, especially for those individuals with mobility limitations. The ADA mandates equal access to mass transit for every U.S. citizen, thereby requiring every new bus and bus stop to be wheelchair accessible to the maximum extent practicable. All elements, including benches, placed at or near bus stops for use by the public in conjunction with use of the transit system must also be fully compliant with the ADA provisions as adopted by the U.S. Department of Transportation.

Regulatory Requirements for Accessible Transportation Facilities are provided by the Federal and State governments. The ADAAG includes the Federal regulations governing accessible transportation facilities and is enforced by the U.S. Department of Transportation. The ADAAG provides the architectural specifics for the construction of new and alteration of existing transportation facilities.

The Florida State regulatory requirements are provided under the Florida Building Code, Chapter 11 FAC for Building Construction. The FAC generally mirrors the requirements of the ADAAG, but is somewhat more stringent in some areas such as accessible parking spaces and accessible restroom configurations.

The following information provides a general overview of the accessibility regulations requirements for bus stops and facilities that may affect the accessibility to or use of a bus stop and amenities placed at the bus stop. Not all of the ADAAG requirements are given here. Only those pertinent for the understanding of personnel responsible for bus stop siting and placement of amenities in an accessible manner are listed.

• Accessible Pedestrian Routes

- ◊ Must be 36" minimum width, continuous, and unobstructed path (note that the 2012 FAC requires a 48" clear accessible pathway which can be reduced to no less than 36" when approved by the Engineer).
- ◊ Must have a 32" minimum width at doorways.
- ◊ Must have 60" X 60" passing spaces at 200' intervals (if <60" wide).
- ◊ Running slope (direction of travel) must be equal to or less than 5 percent (1:20) (>5% = ramp / ramp slope cannot exceed 8.33%).
- ◊ Cross slope (perpendicular to direction of travel) must be equal to or less than 2 percent (1:48).

3.0 GENERAL ACCESSIBILITY GUIDELINES

- **Surfaces and Sidewalks**

- ◊ Surface must be firm, stable, and slip resistant (wet or dry).
- ◊ Changes in level between 1/4" and 1/2" must be beveled at 1:2 slope.
- ◊ Changes in level greater than 1/2" are not allowed or must be ramped.
- ◊ Gaps in gratings within the accessible pathway must be no greater than 1/2" wide and openings must be aligned perpendicular to travel.
- ◊ The maximum walkway cross slope permitted is 1:48 (2%).

- **Protruding Objects**

- ◊ Objects at 27" to 80" above grade must not be more than a 4" protrusion.
- ◊ Post or column-mounted objects must not be more than a 12" protrusion.
- ◊ Overhead clearance must be equal to or greater than 80" above the surface.

- **Curb Ramps**

- ◊ The maximum ramp running slope permitted is 1:12 (8.33%).
- ◊ The maximum ramp cross slope permitted is 1:48 (2%).
- ◊ Side flare (transition) slopes must be no greater than 1:12.
- ◊ Curb ramps must be 48" wide (FDOT Design Standards, Index 304 - width may be reduced to 36" as required by ADAAG in restricted conditions and as approved by the Engineer).
- ◊ Curb ramps must have detectable warning material the full width of ramp and 24" from back edge of curb.
- ◊ Curb ramps must have a 48" long landing at top of slope (FDOT Design Standards, Index 304).
- ◊ Curb ramps must have detectable warning in truncated domes with pattern and characteristics defined by regulations, including contrasting color.
- ◊ Detectable warning also required at landings and flush transitions at street crossings.

- **Bus Stops**

- ◊ Must be on or connect to an accessible route.
- ◊ Must have an accessible approach to the boarding and alighting area and all provided amenities.

3.0 GENERAL ACCESSIBILITY GUIDELINES

- ◇ The clear space of the boarding and alighting area must be equal to or no less than 60" parallel and 96" perpendicular to the curb or street/roadway edge and be connected to the accessible route.
- ◇ Slope of the boarding and alighting area perpendicular to the curb must be equal to or less than 1:48 (2%).
- ◇ The slope parallel to the curb of the boarding and alighting area should match the slope of the roadway.
- ◇ The boarding and alighting area must provide a firm, stable, and slip resistant surface.
- ◇ The bus stop site must be chosen to provide the greatest degree of accessibility practicable.
- ◇ If provided, the boarding and alighting area concrete pad must be located within the specified clear zone for the roadway environment being used according to FDOT Design Standards, Index Number 700.
- ◇ Bus stop amenities must be connected to the accessible route and allow accessible maneuvering space and be within 48" maximum reach range of all operating controls (FDOT requires a 42" reach range limit for pedestrian signal control buttons).
- ◇ If a shelter is provided, it must connect to the accessible route and allow a minimum space of 30" X 48" fully within shelter.
- ◇ If a bench is included within a shelter, it must allow minimum space of 30" X 48" resting/transfer space at one end of bench.

3.0 GENERAL ACCESSIBILITY GUIDELINES

3.2 SPECIFIC ADAAG REQUIREMENTS FOR BUS STOPS & FACILITIES

ADAAG Section 810—Requirements for Bus Stops

The following excerpt from the revised ADAAG (2004 published version adopted by the USDOT on November 29, 2006) provides the following specific requirements for bus stops.

810 Transportation Facilities

810.1 General. Transportation facilities shall comply with 810.

810.2 Bus Boarding and Alighting Areas. Bus boarding and alighting areas shall comply with 810.2.

Advisory 810.2 Bus Boarding and Alighting Areas. At bus stops where a shelter is provided, the bus stop pad can be located either within or outside of the shelter.

810.2.1 Surface. Bus stop boarding and alighting areas shall have a firm, stable surface.

810.2.2 Dimensions. Bus stop boarding and alighting areas shall provide a clear length of 96 inches (2,440 mm) minimum, measured perpendicular to the curb or vehicle roadway edge, and a clear width of 60 inches (1,525 mm) minimum, measured parallel to the vehicle roadway.

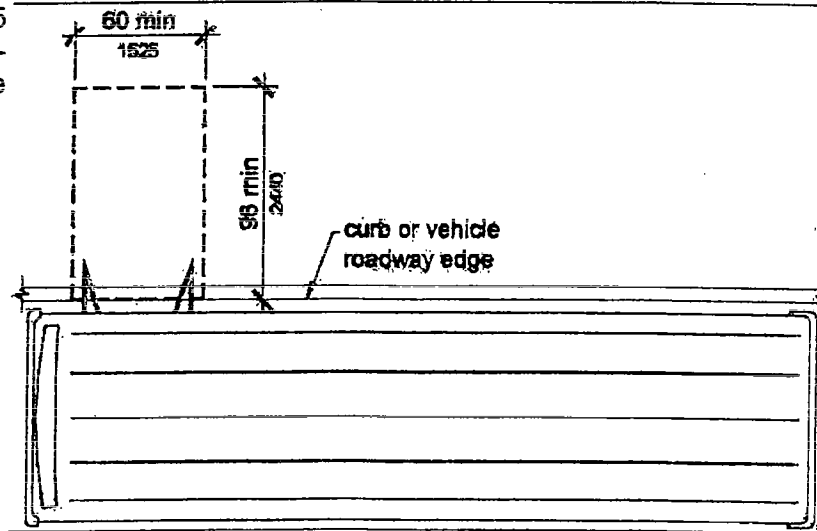


Figure 3.2.1
Dimensions of Bus Boarding and Alighting Areas
(Adapted from ADAAG Figure 810.2.2)

810.2.3 Connection. Bus stop boarding and alighting areas shall be connected to streets, sidewalks, or pedestrian paths by an accessible route complying with 402.

3.0 GENERAL ACCESSIBILITY GUIDELINES

810.2.4 Slope. Parallel to the roadway, the slope of the bus stop boarding and alighting area shall be the same as the roadway, to the maximum extent practicable. Perpendicular to the roadway, the slope of the bus stop boarding and alighting area shall not be steeper than 1:48.

810.3 Bus Shelters. Bus shelters shall provide a minimum clear floor or ground space complying with 305 entirely within the shelter. Bus shelters shall be connected by an accessible route complying with 402 to a boarding and alighting area complying with 810.2.

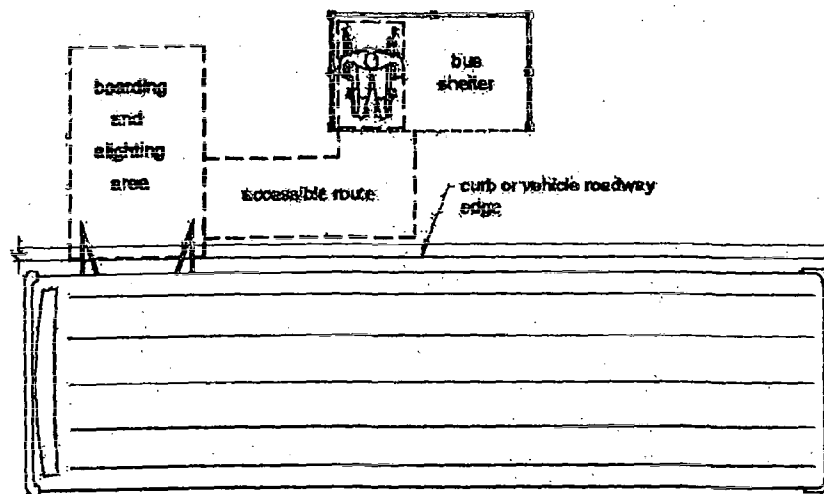


Figure 3.2.2
Bus Shelters
(Adapted from ADAAG Figure 810.3)

810.4 Bus Signs. Bus route identification signs shall comply with 703.5.1 through 703.5.4, and 703.5.7 and 703.5.8. In addition, to the maximum extent practicable, bus route identification signs shall comply with 703.5.5. These requirements include specifications for contrast, character height and spacing, style, etc.

EXCEPTION: Bus schedules, timetables, and maps that are posted at the bus stop or bus bay shall not be required to comply.

Figure 3.2.3 on the following page illustrates the dimensional characteristics of an accessible bus stop. Note that placement of a bench or other item at the transit site must be as an attached amenity and placed in a manner to ensure that those clear areas provided for accessibility are not obstructed.

3.0 GENERAL ACCESSIBILITY GUIDELINES

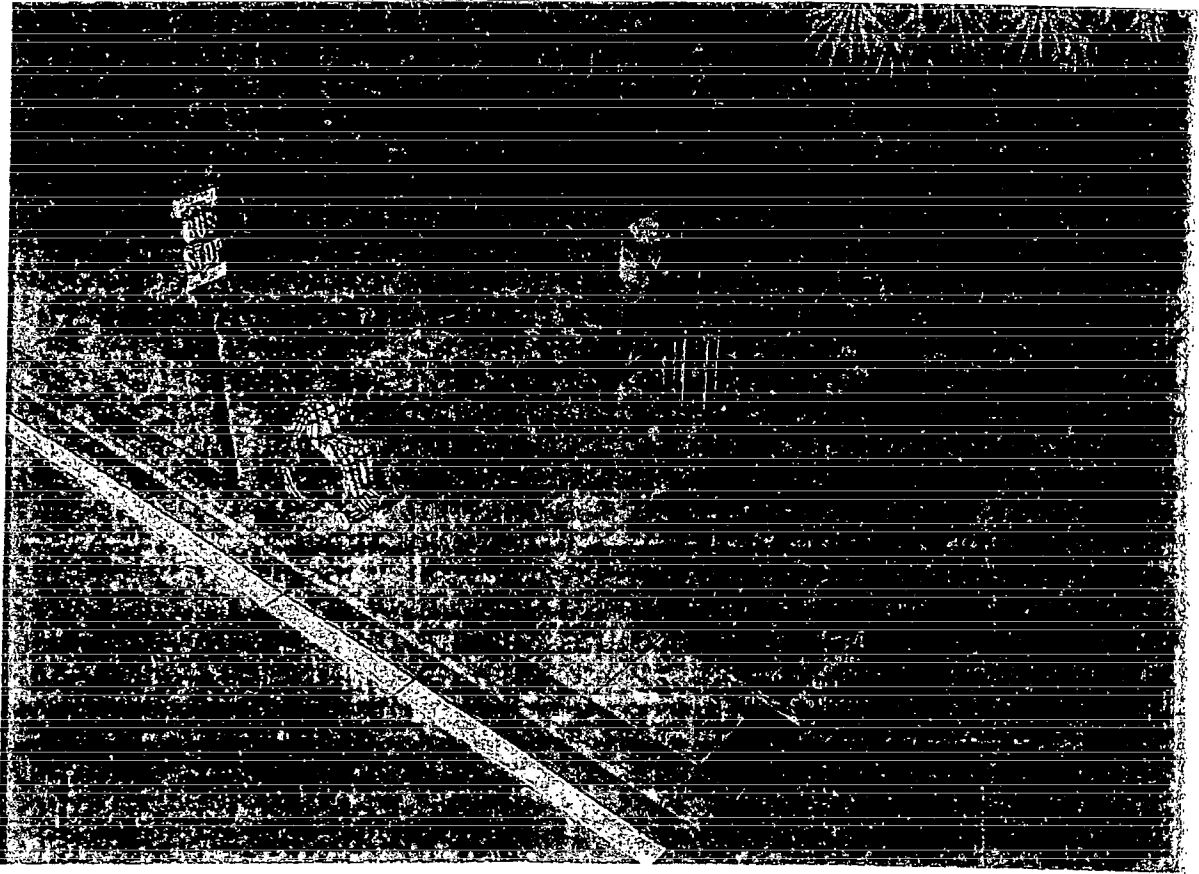


FIGURE 3.2.3 General Bus Stop Site Design Characteristics

4.0 RESEARCH & FINDINGS

4.1 CODE APPLICABILITY DISCUSSION FOR BENCH PLACEMENT AT BUS STOPS

The ADAAG contains specific requirements for benches in Section 903. However, the scoping provisions of the ADAAG indicate that Section 903 is only applicable to benches located in interior spaces such as dressing, fitting, and locker rooms (803.4), and in holding and housing cells (807.2.2).

Additionally, to reinforce agreement of the above comment, it is necessary to note that according to direct communication with U.S. Access Board technical staff, ADAAG Section 903 is not applicable to benches placed in the public right-of-way. However, the Public Rights-of-Way Accessibility Guidelines published by the Access Board (PROWAG are not enforceable regulations at the time of this writing) do specify accessibility guidelines for benches in the public right-of-way. PROWAG particularly emphasizes the need to consider the dimensions and use of pedestrian circulation routes when coordinating the placement of improvements, appurtenances, utilities, or street furniture (including benches). Comments from disability organizations and individuals have identified blocked or compromised pedestrian routes as a major barrier to independent travel.

FDOT has taken an aggressive posture concerning the placement of benches and other amenities within the public right-of-way, particularly at transit stops. Rule 14-20.0032, Placement of Transit Bus Benches, specifically addresses requirements for benches placed in the public right-of-way. This rule utilizes many of the requirements of ADAAG Section 903 and PROWAG R212.6 covering the placement and dimensional characteristics for benches. This Voltran Bus Stop Design standards document has been developed to incorporate the FDOT (PROWAG) and ADAAG requirements for benches and the applicable requirements are included on the following pages.

4.0 RESEARCH & FINDINGS

4.2 ADAAG SECTION 903 REQUIREMENTS

ADAAG SECTION 903

903 Benches

903.1 General. Benches shall comply with 903.

903.2 Clear Floor or Ground Space. Clear floor or ground space complying with 305 shall be provided and shall be positioned at the end of the bench seat and parallel to the short axis of the bench.

903.3 Size. Benches shall have seats that are 42 inches (1065 mm) long minimum and 20 inches (510 mm) deep minimum and 24 inches (610 mm) deep maximum.

903.4 Back Support. The bench shall provide for back support or shall be affixed to a wall. Back support shall be 42 inches (1065 mm) long minimum and shall extend from a point 2 inches (51 mm) maximum above the seat surface to a point 18 inches (455 mm) minimum above the seat surface. Back support shall be 2½ inches (64 mm) maximum from the rear edge of the seat measured horizontally.

903.5 Height. The top of the bench seat surface shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum above the finish floor or ground.

903.6 Structural Strength. Allowable stresses shall not be exceeded for materials used when a vertical or horizontal force of 250 pounds (1112 N) is applied at any point on the seat, fastener, mounting device, or supporting structure.

903.7 Wet Locations. Where installed in wet locations, the surface of the seat shall be slip resistant and shall not accumulate water.

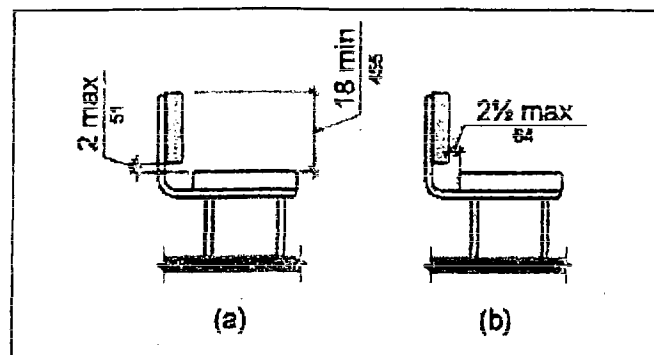


Figure 4.2.1
ADAAG Figure 903.4 Bench Back Support

4.0 RESEARCH & FINDINGS

4.3 PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES

The specific PROWAG guidelines relevant to accessible placement of benches follows. As of this writing, these guidelines are not enforceable requirements. A public review and comment period and a Notice of Proposed Rule Making are pending for the adoption and enforcement of the PROWAG.

R211 Street Furniture

Street furniture intended for use by pedestrians and installed on or adjacent to a pedestrian circulation path shall comply with R307.

Advisory R211 Street Furniture. This scoping applies usability and operability criteria to certain items intended for pedestrian use in the public right-of-way. Where multiple items of a single type are provided at a single location, only a proportion may be required to be accessible and to be located on a pedestrian access route. Types of street furniture for which usability and operational criteria are provided include elements such as drinking fountains; public telephones; public toilet facilities; and tables, counters, and benches in R211; parking meters in R308.6; bus stops and shelters in R212; and signage, including bus stop signage, in R210. Where applicable, usability and operability provisions shall be satisfied in the design and construction of other items installed on or along a public right-of-way for pedestrian use (see sections R307, R401, and R405).

Careful coordination is required between agencies and divisions authorized to install items on and along sidewalks in order to avoid inadvertent conditions that may constitute barriers. The U.S. Department of Justice ADA regulations required that the usability of accessible features be maintained (28 CFR §35.133 and §36.211).

R212 Bus Stops

Where provided, bus boarding and alighting areas shall comply with R410. Where provided, bus shelters shall comply with R410.2.

Advisory R212 Bus Stops. Where bus stops are marked along existing streets by the placement of signage, benches, or shelters, other features necessary to accessibility, such as surface improvements and curb ramps, will be subject to the program access requirements of the U.S. Department of Justice title II regulation at 28 CFR 35.151 or the U.S. Department of Transportation 504 regulation at 49 CFR Part 27. Transportation, public works, and transit agencies should consider including needed improvements in their transition plans and other program accessibility planning.

Furthermore, the placement of such items is subject to usability and protruding objects provisions that apply to street furniture. Bus stop benches and shelters shall not intrude into an existing pedestrian access route.

4.0 RESEARCH & FINDINGS

R307 Street Furniture

R307.1 General. Street furniture shall comply with R307.

Advisory R307.1 General. Elements are often placed on a sidewalk without coordination by different agencies or entities. Covered entities must ensure that the usability of the pedestrian access route is maintained.

Where items are added to an existing developed streetscape and the pedestrian walkway is not being replaced or altered within the scope of the project, locations should be carefully selected for minimum slope and cross slope and adequate width and maneuvering space to optimize usability.

R307.2 Clear Floor or Ground Space. Street furniture shall have clear space complying with R402 and shall be connected to the pedestrian access route.

R307.6 Tables, Counters, and Benches. Tables, counters, and benches shall comply with R307.6.

R307.6.3 Benches.

R307.6.3.1 Clear Space for Wheelchairs at Benches. Where benches without tables are provided at a single location, at least 50 percent, but no fewer than one*, shall provide clear space complying with R402 [30" X 48"] positioned at the end of the bench seat and located for shoulder-to-shoulder seating.

**This statement refers to a single seat position.*

R307.6.3.2 Benches. Where benches without tables are provided at a single location, at least 50 percent, but no fewer than one, shall have a seat height at the front edge of 43 cm (17 in) minimum and 49 cm (19 in) maximum above the ground or floor space.

Advisory R307.6.3.2 Benches. Benches will be most useful if they have full back support and armrests to assist in sitting and standing.

4.0 RESEARCH & FINDINGS

4.4 FLORIDA ACCESSIBILITY CODE: PLACEMENT OF TRANSIT BUS BENCHES

The requirements of the FAC are generally in concert with the Public Rights-of-Way Accessibility Guidelines and the ADAAG accessibility requirements. The following provides the text of FAC 14-20.0032 *Placement of Transit Bus Benches*. Note that the upcoming update of the FDOT Accessing Transit handbook will likely include requirements that are not currently included in Rule 14-20. Additionally, FDOT's ADA Coordinator has stated that an update to Rule 14-20 is also likely in the near future.

The Department allows placement and maintenance of transit bus benches on the right-of-way of a Federal-Aid highway or state highway pursuant to written approval by the appropriate city or county government within whose jurisdiction the bench is to be located. All bus benches shall be subject to the following:

- (1) Transit bus benches placed on the right-of-way shall not exceed 74 inches in length, 28 inches in depth, and 44 inches in height.
- (2) Any bench placed on any part of a sidewalk shall leave at least three feet clearance for pedestrian traffic between the bench and the nearest edge of the road.
- (3) Transit bus benches shall not be placed in the median of any divided highway or on limited access facilities.
- (4) Unless otherwise herein provided, transit bus benches shall be placed only at recognized transit stops. However, only the minimum number of benches necessary to accommodate the comfort and convenience of the general public shall be erected or maintained.
- (5) Benches may be placed at points of pedestrian convenience other than recognized transit bus stops, where, in the judgment of the appropriate city or county government, there exists a necessity for such seating or where such seating would otherwise serve the public interest and shall comply with all other requirements placed upon transit bus benches in Rule 14-20.0032, FAC. However, only the minimum number of benches necessary to accommodate the comfort and convenience of the general public shall be erected or maintained.
- (6) If the Department finds any bench in violation of any portion of this rule, except those determined to endanger life or property, the Department shall provide written notice of the violation to the owner of the bench, or the appropriate city or county government, who shall correct the violation or remove the shelter within 30 days after receipt of the notice. If the Department finds any bench to be a danger to life or property, the Department shall provide notice to the owner of the bench, or the appropriate city or county government, who shall take immediate steps to make the bench safe or remove the bench. If the condition or location of a bench is not corrected in accordance with the Department's notice, the Department will cause the bench to be removed and seek the cost of removal from the owner of the bench.
- (7) Commercial advertising shall be displayed upon a transit bus bench only on either the front or rear surface of the backrest area.
- (8) Advertising displayed on a transit bus bench shall not be greater than 72 inches in length nor greater than 24 inches in height, and no advertising displayed upon a bench shall be of

4.0 RESEARCH & FINDINGS

- (9) The transit bus bench location must meet the set back and minimum clear recovery zone requirements as detailed in the Florida Department of Transportation's *Roadway and Traffic Design Standards*, Index Number 700, entitled "Design Criteria Related to Highway Safety" (incorporated by reference in Rule 14-85.004, F.A.C).
- (10) Any transit bus bench that was in service prior to April 1, 1992, may be replaced with a bus bench of the same size or smaller, if the bench is damaged or destroyed or otherwise becomes unusable.
- (11) Any transit bus bench placed at points of public convenience which violates any portion of this rule shall be subject to removal upon 30 days notice if the violation is not corrected.
- (12) Whenever necessary for the construction, repair, improvement, maintenance, safe and efficient operation, alteration, or relocation of all, or any portion of a State Road, as determined by the Department, any bus bench and appurtenances thereto, authorized by this Rule, shall be immediately removed from said State Road Right-of-Way or shall be reset or relocated thereon as required by the Department, at the expense of the bench owner unless reimbursement is authorized by separate agreement. In the event the relocation of said benches is scheduled to be done simultaneously with the Department's construction work, the bench owner shall coordinate with the Department before proceeding. The bench owner shall cooperate with the Department's contractor to arrange the sequence of work so as not to delay the work of the Department's contractor and shall defend any legal claims of the Department's contractor due to delays caused by the bench owner's failure to comply with the approved schedule. The bench owner shall not be responsible for delays for reasons beyond the bench owner's reasonable control.

Specific Authority 334.044(2) FS. Law Implemented 334.044(13), 335.021(1), 337.408 FS. History—New 12-26-90, Amended 8-11-92, 5-15-97, 7-16-98.

5.0 DESIGN STANDARDS & SCENARIOS

5.1 PRIORITY CONSIDERATIONS FOR BENCH AND SHELTER PLACEMENT AT BUS STOPS

This section describes important considerations for bench and shelter placement at bus stops. ADA standards require all bus stops to have sufficient space for a boarding and alighting area that has a firm, stable, and slip-resistant surface to accommodate boarding and alighting at the stop. When a bench or shelter is provided at a bus stop, a boarding and alighting area concrete pad is required and must be located within the specified clear zone for the roadway environment being used according to FDOT Design Standards, Index Number 700. If bus stop amenities in addition to a bus stop sign are provided, the bus stop boarding and alighting area shall be connected to the amenities, streets, sidewalks, and/or existing pedestrian infrastructure by an accessible route.

1. **Bus access characteristics (critical)** – This category involves characteristics related to the use of a particular location by a transit entity for a bus stop. For a location to be viable for application of a bus stop, requirements must be met for vertical and side clearance of the bus, turning radius of the intersection, curb lane width, parking clear zone, and presence of driveways, among other criteria. Placement of a bench at a site that does not provide an accessible environment is not recommended and may present liability issues for the transit agency.
2. **Patron accessibility characteristics (critical)** – Once it is determined that a bus is capable of safely accessing a potential bus stop location, it next must be determined whether patrons can access the location conveniently and safely. To do this, patron access to/from and use of the site must be assessed. For a location to be viable from the point of view of the transit patron, requirements must be met for the presence, width, and relative connectivity of sidewalks where applicable, the presence of an ADA boarding and alighting area (minimum 5-foot by 8-foot) enabling clearance for wheelchair lift/ramp deployment, and the presence of accessible connecting pedestrian pathways and curb ramps, among other potential considerations.
3. **Site infrastructure characteristics (non-critical)** – If buses and patrons are both able to successfully access a potential bus stop location, then the location should be suitable for the placement of a bus stop. As noted previously, the purpose of evaluating the site infrastructure characteristics is to locate the best spot for the stop within the general area of the location. In considering placement of a bench or shelter, issues that should be identified and considered in establishing the best placement at a stop within a particular location include utilities, guide wires, signage, and other potential obstructions to visibility and access; the presence of driveways and other access points to adjacent development; and the presence of parallel parking.

5.0 DESIGN STANDARDS & SCENARIOS

4. **Safety, comfort, & security characteristics (non-critical)** – The other category of characteristics that should be used to fine-tune the decision for bench or shelter placement at a potential stop at a particular location considers issues related to safety, comfort, and security of patrons and buses. Stop placement considerations in this category include appropriate visibility for both bus operators and patrons, the presence of lighting, the presence of shade, surrounding slopes (especially if a ditch is present), and the presence of a bridge, among others. These and other potential considerations related to safety, comfort, and security at stops are important considerations when reaching a decision to place a bench or shelter at a bus stop.

5.0 DESIGN STANDARDS & SCENARIOS

5.2 GUIDELINES FOR BENCH PLACEMENT

The following are minimum guidelines for the placement of benches at bus stops. These guidelines are written in concert with established accessibility requirements found in ADAAG and the FAC.

Wheelchair Clearance

Minimum clear width for a single wheelchair passage shall be 36 inches continuously.

Note: Clearance for new locations or locations to be adjusted should provide for 48-inch clearance to be in conformance with FDOT design standards and the 2012 FAC.

Minimum clear length of 96 inches (measured perpendicular from the curb or vehicle roadway edge) and a minimum clear width of 60 inches measured parallel to the curb or roadway (8-foot deep by 5-foot wide total space) will be provided on new construction to the maximum extent allowed by legal or site constraints for deployment of a wheelchair lift/ramp from a bus.

Minimum 60-inch clearance between bench and fire hydrants.

Minimum 30-inches by 48-inches clear area at the front edge of the bench to provide space for a wheelchair to maneuver at the bench and allow the transfer from wheelchair to bench if desired. See Exhibit 5.2.1 for suggested bus stop design layouts. There are a myriad of design layout options, and the ones shown are typical for urban, suburban, or rural environments.

Clearance between Bench and Other Bus Stop Components (Trash Cans, Shelters, and Kiosks)

Avoid placement of bench next to walls or fences. If possible, maintain 36-inch clearance in front of and behind bench. If not possible, place bench within 4 inches of wall or other structure. However, this placement **must** maintain 36 inches in front of bench for accessible path clearance.

Benches placed adjacent to shelters should allow an accessible route not less than 36 inches minimum, 48 inches preferred.

Benches may be placed within a bus shelter. A space no less than 30-inches by 48-inches at one end of the bench must be provided fully within the shelter for wheelchair parking. Most bus stop shelters are designed to include benches placed to provide for a wheelchair turning space of at least 60 inches. The space required for a wheelchair to make a 180-degree turn is a clear space of 60 inches in diameter.

5.0 DESIGN STANDARDS & SCENARIOS

Benches should avoid proximity to boarding and alighting area of 60 inches wide by 96 inches deep so as to not obstruct access.

Sight Visibility

Transit stop furniture over 2-½ feet high should be located to provide drivers in nearby drive-ways clear visibility of the street.

Firm Stable Surfaces

Place bench on firm, stable surface that allows for surface drainage.

Desirable Placement

Wherever possible, benches should be anchored to concrete to prevent unauthorized movement.

Place bench in shaded area if possible.

Place bench outside of landscape watering areas.

Beginning on page 40, typical design scenarios are provided in Figures 5.2.2 through 5.2.6 that provide illustrations and descriptions of conditions for bench placement at bus stops. These scenarios are intended as guidance for the approach to siting a bus stop and the application of public seating found at typical sites throughout the Votran service area.

5.0 DESIGN STANDARDS & SCENARIOS

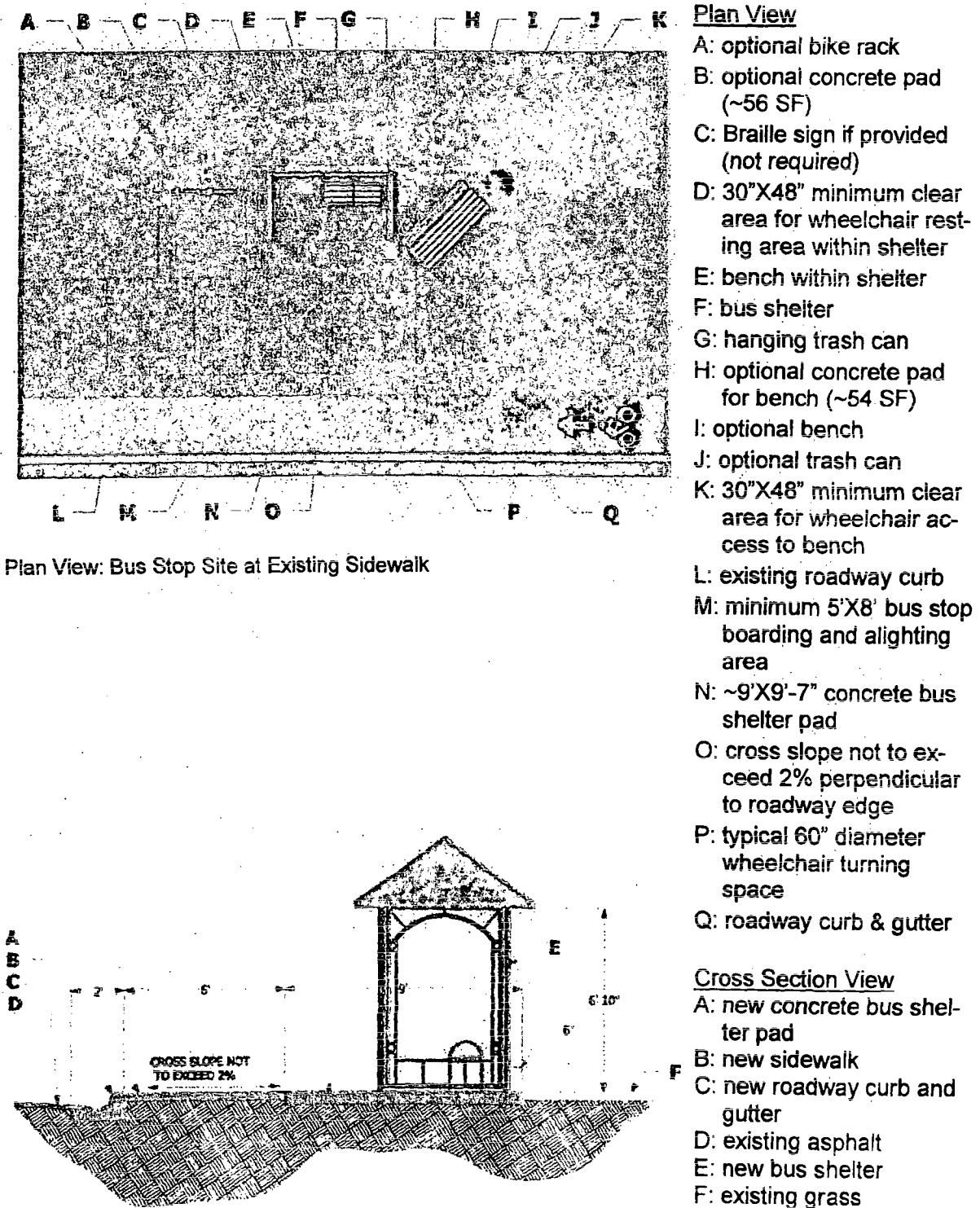


Figure 5.2.1 Accessible Bus Stop Site Layout Design

5.0 DESIGN STANDARDS & SCENARIOS

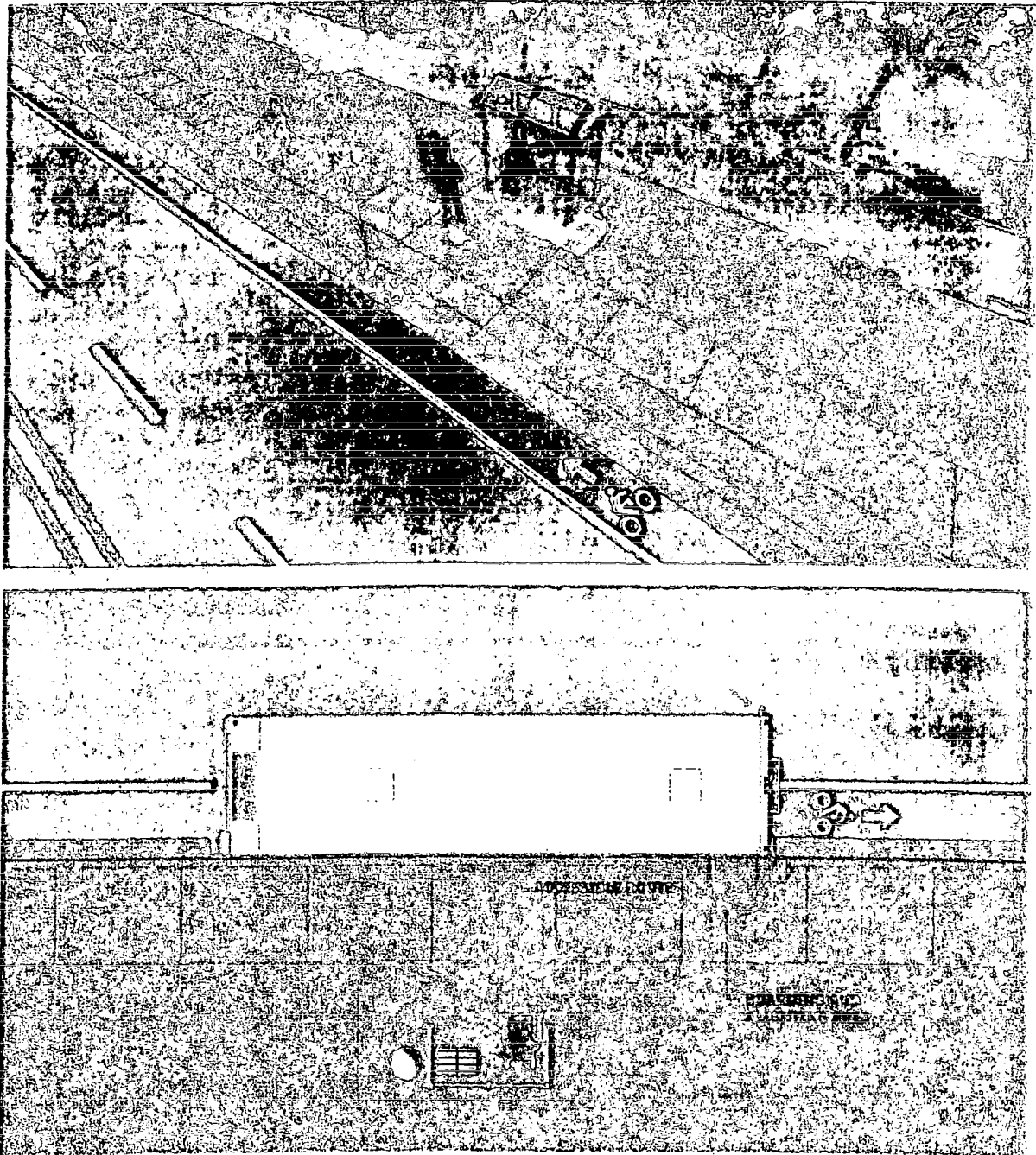
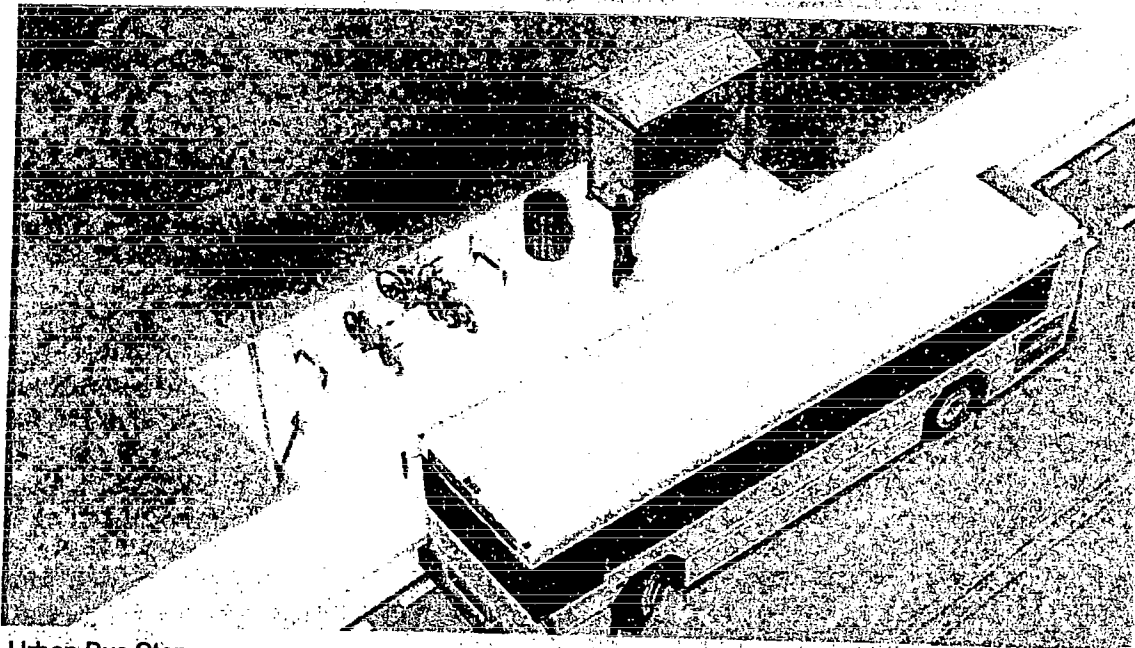


Figure 5.2.1 Accessible Bus Stop Site Layout Design (continued)

5.0 DESIGN STANDARDS & SCENARIOS



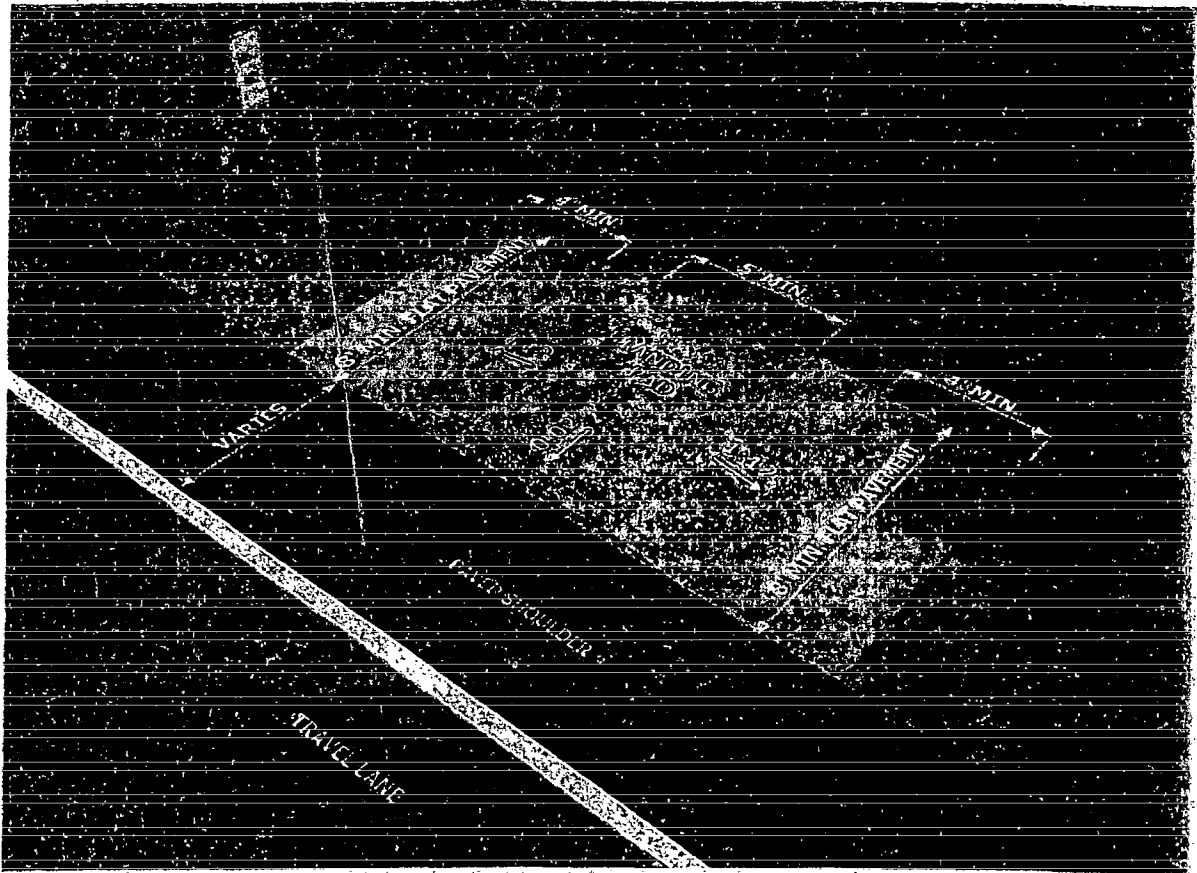
Urban Bus Stop



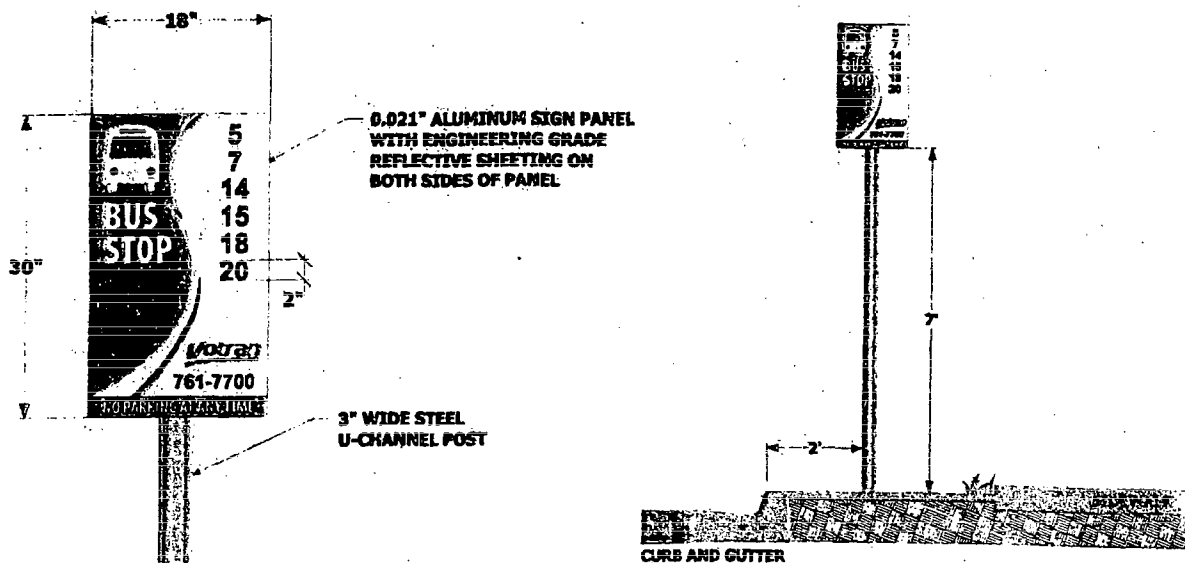
Suburban Bus Stop

Figure 5.2.1 Accessible Bus Stop Site Layout Design (continued)

5.0 DESIGN STANDARDS & SCENARIOS



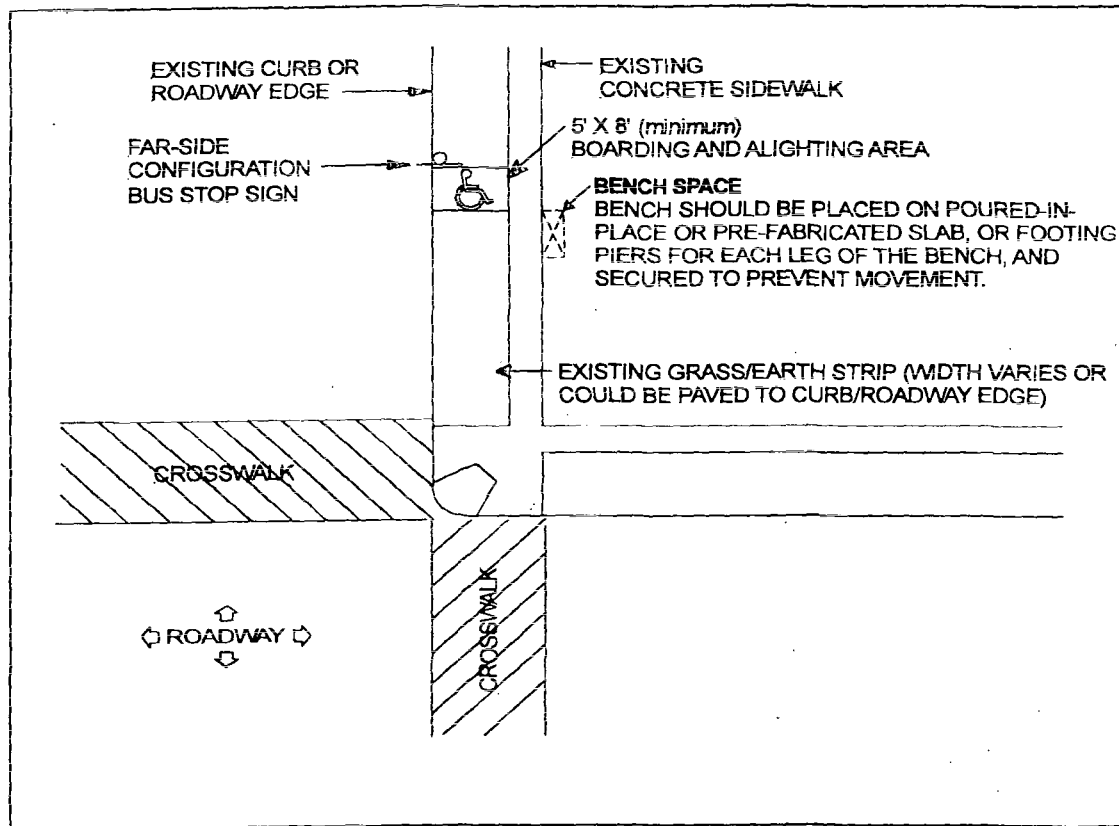
Rural Bus Stop



Bus Stop Sign Design & Placement

Figure 5.2.1 Accessible Bus Stop Site Layout Design (continued)

5.0 DESIGN SCENARIOS & CONSIDERATIONS



SCENARIO 1: GRASS/EARTH STRIP BETWEEN CURB/ROADWAY EDGE AND EXISTING WALKWAY

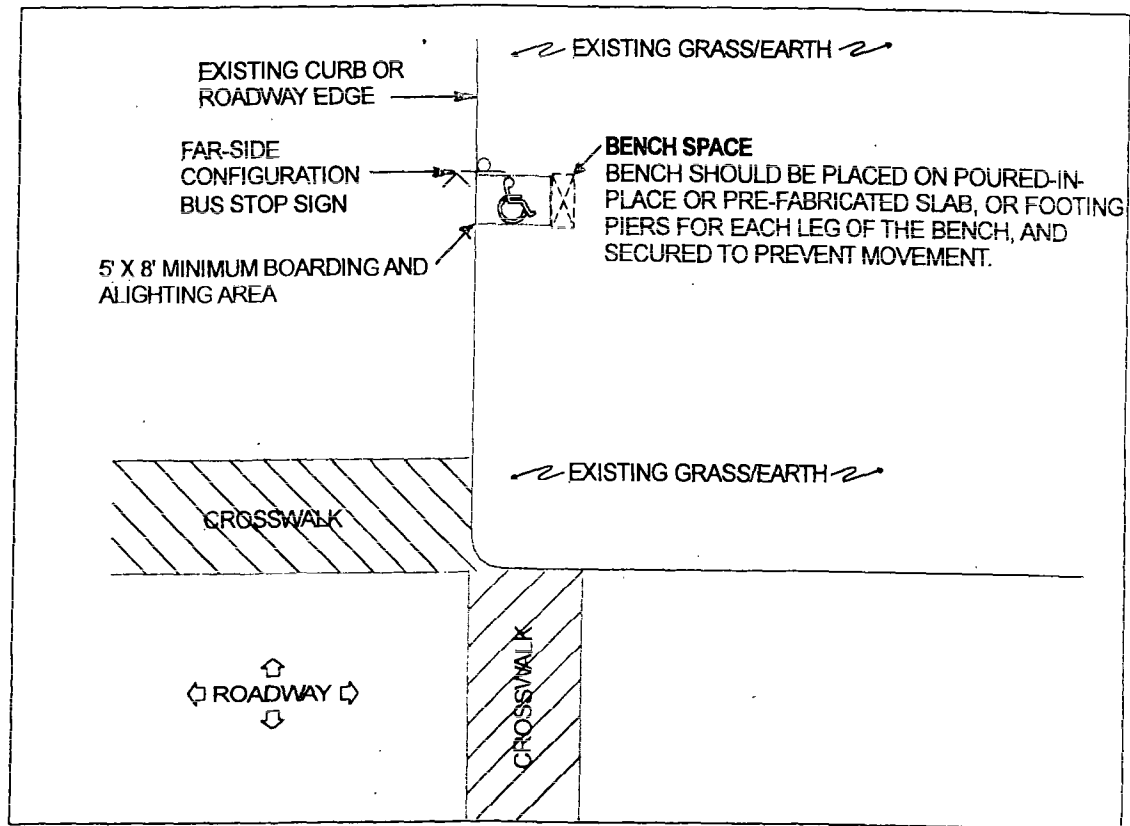
This scenario solution can be applied at urban, suburban, or rural environments.

The determination of a site for bench placement at a bus stop that affords the greatest accessibility practicable given the existing site conditions is essential. Placement of the bench must allow access by an individual using a wheelchair. A minimum 36" wide path to the bench and an area no less than 30" perpendicular and 48" parallel to the bench must be provided. The bench location must provide an unobstructed accessible path from the bus stop boarding and alighting area to the bench.

All new work, or alterations to existing sites, must be performed in compliance with ADAAG regulations by maintaining a cross slope less than 2% and running slope less than 5% except that the boarding and alighting area must coincide with slope of the roadway. Connection to existing curb/roadway edge and existing walkway must be consistent with ADAAG surface and walkway regulations by ensuring that the connection provides a smooth transition with a change in level not to exceed 1/4 inch. Walking surfaces of new work must be slip resistant - generally achieved by a broom finish to standard concrete surface.

Figure 5.2.2 Bench Placement Scenario One

5.0 DESIGN SCENARIOS & CONSIDERATIONS



SCENARIO 2: GRASS/EARTH ALONG CURB/ROADWAY EDGE - NO EXISTING WALKWAY AT STOP WITH CONCRETE BOARDING AND ALIGHTING AREA.

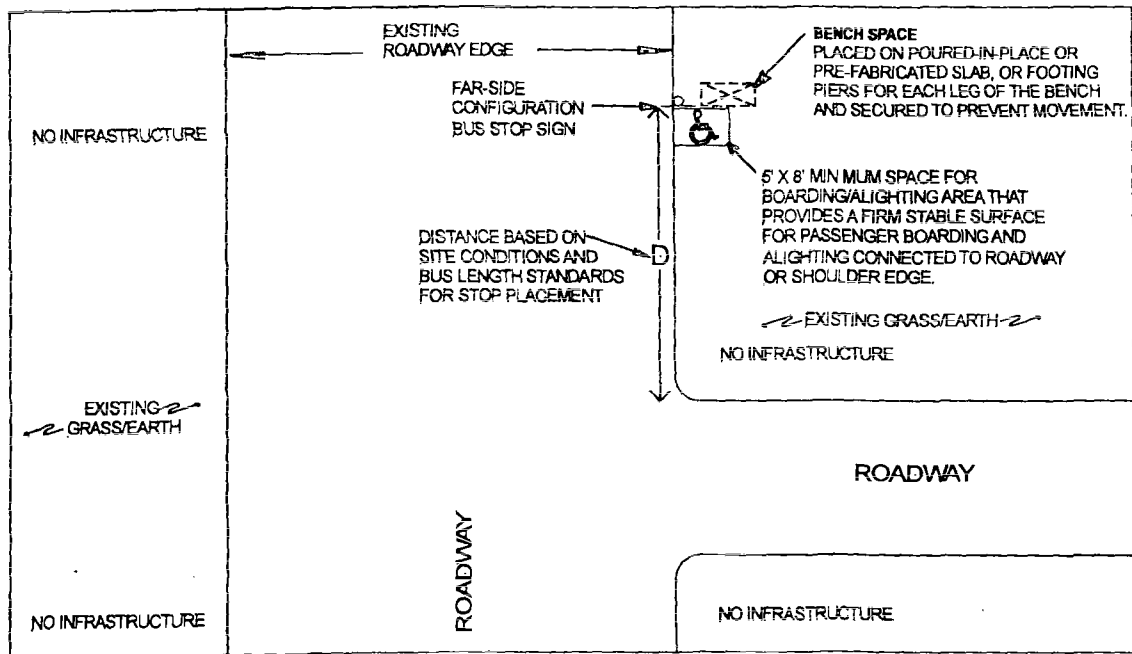
This scenario solution can be applied at urban, suburban, or rural environments.

The determination of a site for bench placement at a bus stop that affords the greatest accessibility practicable given the existing site conditions is essential. Placement of the bench must allow access by an individual using a wheelchair. A minimum 36" wide path to the bench and an area no less than 30" perpendicular and 48" parallel to the bench must be provided. The bench location must provide an unobstructed accessible path from the bus stop boarding and alighting area to the bench.

All new work, or alterations to existing sites, must be performed in compliance with ADAAG regulations by maintaining a cross slope less than 2% and running slope less than 5% except that the boarding and alighting area must coincide with slope of the roadway. Connection to existing curb/roadway edge and existing walkway must be consistent with ADAAG surface and walkway regulations by ensuring that the connection provides a smooth transition with a change in level not to exceed 1/4 inch. Walking surfaces of new work must be slip resistant generally achieved by a broom finish to standard concrete surface.

Figure 5.2.3 Bench Placement Scenario Two

5.0 DESIGN SCENARIOS & CONSIDERATIONS



SCENARIO 3: RURAL ENVIRONMENT WITH GRASS/EARTH ALONG CURB/ROADWAY EDGE - NO EXISTING WALKWAY OR INFRASTRUCTURE AT BUS STOP SITE OR OTHER RIGHT-OF-WAY ABUTMENTS.

Transit agencies are required by the ADA to select a site for the creation of a bus stop that affords the greatest accessibility practicable given the route and site conditions.

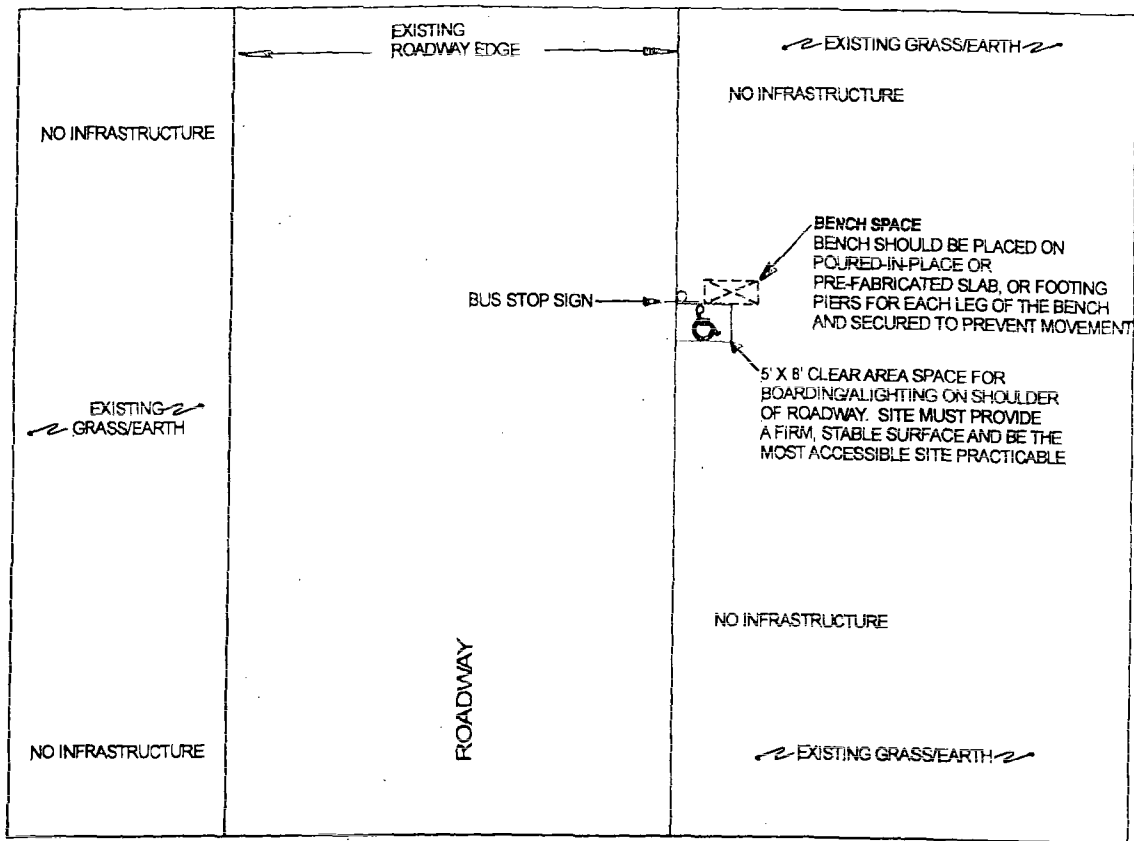
This scenario solution can be applied at suburban or rural environments where no infrastructure exists and no pedestrian pathways have been established formally or informally. However, it is presumed that the minimum 5'-by 8'-bus stop boarding and alighting area has been established by the transit agency with a paved material.

Without infrastructure support such as walkways, curb ramps, crosswalks, pedestrian or vehicle control devices, or other forms of pedestrian rights-of-way amenities (except for the paved boarding and alighting area), passengers are at risk whenever entering into the environment described in this scenario as it is assumed that the roadway shoulder provides the pathway to and from the bus stop. However, in certain instances, particularly in undeveloped rural areas, the establishment of public transit services may serve the best interest of the community. Given this condition, bus stop sites must be selected to provide the most accessible environment possible.

Placement of a bench at sites where undeveloped and non-accessible connections to the bus stop is not provided is not recommended. However, in good faith to provide seating at these stops, placement of benches must also be accomplished in the interest of providing the most accessible placement arrangement possible. Direct connection to the paved boarding and alighting area is required to afford access to the bench by individuals with disabilities.

Figure 5.2.4 Bench Placement Scenario Three

5.0 DESIGN SCENARIOS & CONSIDERATIONS



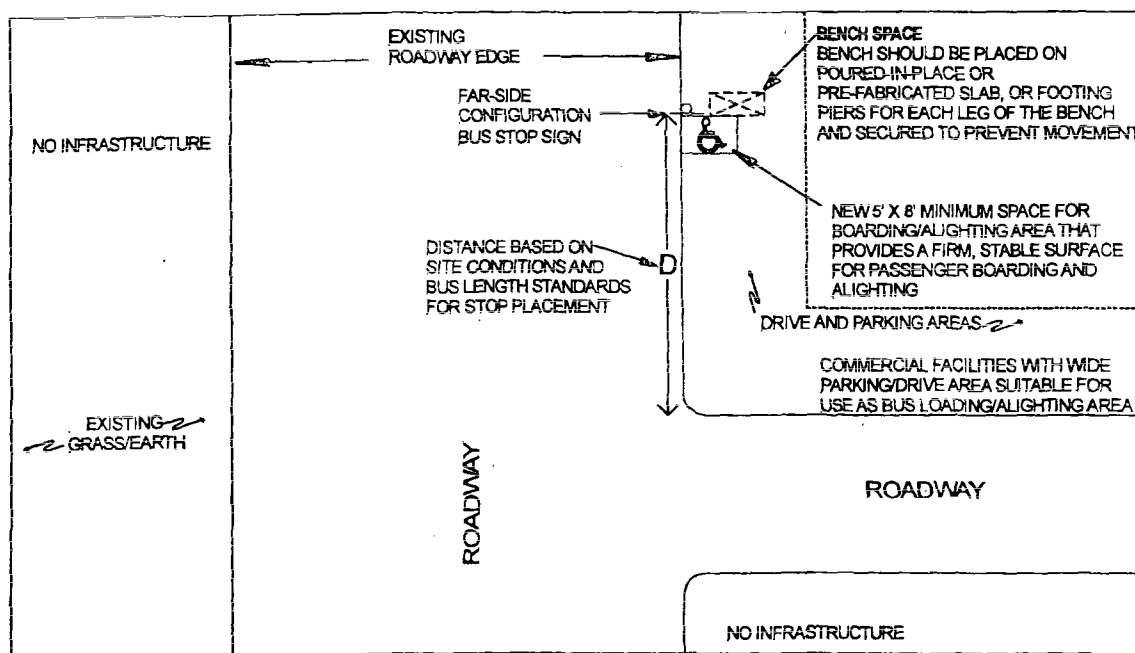
SCENARIO 4: RURAL ENVIRONMENT WITH GRASS/EARTH ALONG CURB/ROADWAY EDGE AND NO AREA AVAILABLE FOR BOARDING/ALIGHTING DUE TO RAVINE, SWALE, OVERGROWTH, OR OTHER OBSTRUCTIONS OR STRUCTURES PREVENTING SPACE FOR PASSENGERS TO MANEUVER OR BOARD BUS - NO EXISTING WALKWAY OR INFRASTRUCTURE AT STOP SITE OR OTHER RIGHT-OF-WAY ABUTMENTS.

Given this scenario, a more suitable location must be identified to establish a bus stop unless site conditions and traffic patterns allow the bus to stop in the roadway and board or alight passengers directly onto an existing shoulder meeting the boarding and alighting area requirements of the ADA. Otherwise, the site will have to be improved or another site chosen for the stop.

Without infrastructure support such as walkways, curb ramps, crosswalks, pedestrian or vehicle control devices, or other forms of pedestrian rights-of-way amenities (except for the paved boarding and alighting area), passengers are at risk whenever entering into the environment described in this scenario as it is assumed that the roadway shoulder provides the pathway to and from the bus stop. However, in certain instances, particularly in undeveloped rural areas, the establishment of public transit services may serve the best interest of the community. Given this condition, bus stop sites must be selected to provide the most accessible environment possible.

Figure 5.2.5 Bench Placement Scenario Four

5.0 DESIGN SCENARIOS & CONSIDERATIONS



**SCENARIO 5: RURAL ENVIRONMENT WITH NO EXISTING WALKWAY OR INFRASTRUCTURE NEAR PROPOSED STOP SITE OR OTHER RIGHT-OF-WAY ABUTMENTS. PLACE-
MENT OF STOP WITHIN EXISTING PAVED COMMERCIAL DRIVE/PARKING AREA.**

This scenario solution can be applied at suburban or rural environments where no infrastructure exists and no pedestrian pathways have been established formally or informally except at site abutting commercial space.

Without infrastructure support such as walkways, curb ramps, crosswalks, pedestrian or vehicle control devices, or other forms of pedestrian rights-of-way amenities (except for the paved boarding and alighting area), passengers are at risk whenever entering into the environment described in this scenario as it is assumed that the roadway shoulder provides the pathway to and from the bus stop. However, in certain instances, particularly in undeveloped rural areas, the establishment of public transit services may serve the best interest of the community. Given this condition, bus stop sites must be selected to provide the most accessible environment possible.

Placement of a bench at sites where undeveloped and non-accessible connections to the bus stop are not provided are not recommended. However, in good faith to provide seating at these stops, placement of benches must also be accomplished in the interest of providing the most accessible placement arrangement possible. Direct connection to the paved boarding and alighting area is required to afford access to the bench by individuals with disabilities.

Figure 5.2.6 Bench Placement Scenario Five

6.0 DEFINITIONS & ACRONYM LIST

ACCESSIBLE - A site, building, facility, or portion thereof that is in compliance with the ADAAG provisions and regulations.

ACCESSIBILITY - A measure of the ability or ease of all people to access a given area or system.

ACCESSIBLE MEANS OF EGRESS - A continuous and unobstructed way of egress travel from any point in a building or facility that provides an accessible route to an exit or a public way.

ADA - The Americans with Disabilities Act of 1990, which includes the final rule, which sets forth the transportation standards contained in 49 CFR Parts 27, 37, and 38.

ADAAG - The appendix to the 49 CFR Part 37 containing the Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities, which provides the architectural and structural requirements for an accessible environment.

ALTERATION - A change to a building or facility that affects or could affect the usability of the building or facility or portion thereof. Alterations include, but are not limited to, remodeling, renovation, rehabilitation, reconstruction, historic restoration, resurfacing of circulation paths or vehicular ways, changes or rearrangement of the structural parts or elements, and changes or rearrangement in the plan configuration of walls and full-height partitions. Normal maintenance, reproofing, painting or wallpapering, or changes to mechanical and electrical systems are not alterations unless they affect the usability of the building or facility.

BOARDING AND ALIGHTING AREA - The clear space at a bus stop allocated for patrons to board or alight from the bus.

BUILDING - Any structure used or intended for supporting or sheltering any use or occupancy.

BUS BAY - A widened portion of the roadway or right-of-way that permits buses or special use vehicles to stop outside of the traffic through lanes while passengers board or alight the bus or special use vehicle. It is designed to allow easy reentry of the bus or special use vehicle into the traffic stream.

6.0 DEFINITIONS & ACRONYM LIST

BUS STOP - A designated area where local buses stop to load and unload passengers along local or express routes. The bus stop is the passenger interface and bus operating area. The ADA considers a bus stop a "transportation facility" and is governed by the USDOT ADA regulations.

CIRCULATION PATH - An exterior or interior way of passage provided for pedestrian travel, including, but not limited to, walks, hallways, courtyards, elevators, platforms, ramps, stairways, and landings.

CONNECTION - For purposes of access management, any driveway, street, turnout, sidewalk, or other means of providing for the movement of vehicles, pedestrians, or bicycles to or from the public roadway system.

CORRIDOR - A broad geographical band that follows a general directional flow or connects major sources of trips.

CROSS SLOPE - The slope that is perpendicular to the direction of travel.

CURB RAMP - A short ramp cutting through a curb or built up to it to allow accessible travel between two elevations.

DETECTABLE WARNING - A standardized surface feature built in or applied to walking surfaces or other elements to warn of hazards on a circulation path.

ELEMENT - An architectural or mechanical component of a building, facility, space, or site.

FAC - Florida Accessibility Code

FACILITY - All or any portion of buildings, structures, site improvements, elements, and pedestrian routes or vehicular ways located on a site.

FDOT - Florida Department of Transportation

HEADWAY - The scheduled time intervals between vehicles moving along the same route, line, or roadway in the same direction.

MARKED CROSSING - A crosswalk or other identified path intended for pedestrian use in crossing a vehicular way.

6.0 DEFINITIONS & ACRONYM LIST

MODE - A particular form of travel (i.e., walking; bicycling; travel by air, land, or sea in various purpose vehicle). More generally identifies mode of transportation within a system such as bus, rail, shuttle, etc.

PPM - Plans Preparation Manual. The PPM sets forth geometric and other design criteria, as well as procedures, for Florida Department of Transportation (FDOT) projects.

PUBLIC ROAD - Any roadway owned and/or maintained by the state, county, or city.

PUBLIC TRANSPORTATION FACILITIES - Bus stops, transit centers, park-and-ride lots, high occupancy vehicle (HOV) lanes and pullouts, multi-modal facilities, rail stations, etc.

PUBLIC USE - Interior or exterior rooms, spaces, or elements that are made available to the public. Public use may be provided at a building or facility that is privately or publicly owned.

PUBLIC WAY - Any street, alley, or other parcel of land open to the outside air leading to a public street, which has been deeded, dedicated, or otherwise permanently appropriated to the public for public use and that has a clear width and height of not less than 10 feet.

RAMP - A walking surface that has running slope steeper than 1:20 (5%).

REGULATED ROADWAY - A road segment that has an adopted level of service standard.

RIGHT-OF-WAY - A general term denoting land, property, or interest therein, usually in a strip, acquired for transportation purposes.

ROADWAY - The portion of a street or highway, including shoulders, for the intended use of vehicles.

RUNNING SLOPE - The slope that is parallel to the direction of travel.

SHELTER - A structure constructed at a transit stop that provides protection for patrons from weather elements. These are generally equipped with a bench and transit information displays.

SITE - A parcel of land bounded by a property line or a designated portion of a public right-of-way.

6.0 DEFINITIONS & ACRONYM LIST

SPACE - A definable area, such as a room, toilet room, hall, assembly area, entrance, storage room, alcove, courtyard, or lobby.

TACTILE - An object that can be perceived using the sense of touch.

TECHNICALLY INFEASIBLE - With respect to an alteration of a building or a facility, something that has little likelihood of being accomplished because existing structural conditions would require removing or altering a load-bearing member that is an essential part of the structural frame; or because other existing physical or site constraints prohibit modification or addition of elements, spaces, or features that are in full and strict compliance with the minimum requirements.

TRANSFER - A passenger's change from one transit vehicle to another transit vehicle to complete the patron's travel pattern.

TRANSIT AMENITIES - Added fixtures at transit stops and facilities to provide additional comfort and conveniences for patrons (i.e., benches, kiosks, waste receptacles, telephones, shelters, etc.) (also known as "transit infrastructure").

TRANSIT STATION - A designated area where passengers may embark or disembark from rail or bus public transportation equipment.

TRANSIT STOP - A designated area where passengers may embark or disembark from rail or bus public transportation equipment.

US DOJ - United States Department of Justice

US DOT - United States Department of Transportation

VEHICLE - Every device in, upon, or by which any person or property is or may be transported or drawn upon a travel way, excepting devices used exclusively upon stationary rails or tracks.

VEHICULAR WAY - A route provided for vehicular traffic, such as in a street, driveway, or parking facility.

WALK - An exterior prepared surface for pedestrian use, including pedestrian areas such as plazas and courts.

6.0 DEFINITIONS & ACRONYM LIST

WHEELCHAIR LIFT - A device mounted on a transit vehicle used to raise and lower a platform to transport a person in a wheelchair or other mobility aid from the ground surface, sidewalk, or landing area to the interior of a transit vehicle and vice versa.

WHEELCHAIR RAMP - A device mounted on a transit vehicle and deployed to the ground surface, sidewalk, or boarding and alighting area to allow a person in a wheelchair or other mobility aid to enter or exit the transit vehicle.

WHEELCHAIR SPACE - Space for a single wheelchair and its occupant.