



Transportation Enhancement Project Review

September 2008



FREMONT AVENUE

City of Daytona Beach, Florida

*Bicycle and Pedestrian Sidewalk Improvements
Niles Street to Ridgewood Avenue (U.S. 1)*

Prepared for:

Florida Department of Transportation — District Five

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Introduction

The City of Daytona Beach is proposing the construction of a sidewalk along Fremont Avenue as shown in **Exhibit 1**. The sidewalk will be located along the north side of Fremont Avenue and will extend approximately 2,785 lineal feet between Niles Street and Ridgewood Avenue (U.S. 1). The land uses on either side of the proposed project consist of predominately single-family residential development with some warehouse and hotel uses located near the east end of the project in proximity to Ridgewood Avenue (U.S. 1).

There is no existing sidewalk on either side of Niles Street although the City anticipates constructing a 5-foot wide sidewalk along the east side of the roadway in the future. An existing 5-foot wide concrete sidewalk is located along the west side of Ridgewood Avenue (U.S. 1). In addition, an existing 5-foot wide sidewalk is also located along the east side of Dr. Martin Luther King Jr. Boulevard, which intersects with Fremont Avenue and runs in a north/south direction. The proposed project will establish a pedestrian linkage between Niles Street and the existing 5-foot wide sidewalk along Ridgewood Avenue (U.S. 1) and will also serve as a connection to the existing sidewalk on Dr. Martin Luther King Jr. Boulevard. The proposed sidewalk will also provide off-street access to the East Coast Greenway Trail, local community recreational amenities, public transportation facilities, and commercial, cultural and educational land uses located throughout the area. **Exhibit 1** identifies these facilities and illustrates their locations in relationship to the proposed project.

The City has determined that the proposed project is consistent with their Comprehensive Plan and Future Land Use Element. A number of Objectives and Policies are provided within the Plan that supports the continued development of bicycle and pedestrian access to land uses throughout the city while also encouraging an alternative means of transportation. These Objectives and Policies are clearly outlined in a letter from the City dated April 27, 2004, which is provided in **Appendix A**. The City Commission has also adopted two Resolutions (Number 02-192 and 03-166) supporting the proposed project and requesting the Volusia County Metropolitan Planning Organization (MPO) to identify the project on the MPO's list of priorities. Copies of the two Resolutions are also provided in **Appendix A**.

Project Purpose and Scope

The purpose of this report is to review the project proposal and existing conditions within the project site to determine whether the proposed funding is sufficient to complete the project. Representatives from GAI Consultants, Inc. met with City officials and conducted a site visit on September 11, 2008, to inspect the project site and evaluate existing site conditions.

Project Description

The proposed project will consist of a 5-foot wide sidewalk located along the north side of Fremont Avenue. It will be constructed of concrete and extend a distance of approximately 2,785 lineal feet (approximately 2,585 lineal feet of sidewalk and approximately 200 lineal feet of cross walk striping) from the southeast corner of the Niles Street/Fremont Avenue intersection to the connection with the existing sidewalk along Ridgewood Avenue (U.S. 1). Based on information provided by the City which can be found in **Appendix B**, the right-of-way along Fremont Avenue is 50-feet wide. The width of the existing pavement, measured from edge of asphalt to edge of asphalt is 20-feet, which allows an additional 15-foot wide area on either side of the roadway. According to the City, utilities located along the north side of Fremont Avenue

include a water main with fire hydrants and valve boxes together with overhead telephone lines. Sanitary sewer is located under the roadway.

The City intends to locate the sidewalk as close to the right-of-way line as possible. City officials indicated that they generally prefer a 1-foot setback from the right-of-way line to the outer edge of the sidewalk. Based on observations made during the site visit, this location would not appear to have any major impacts on the location of the existing water line although the existing fire hydrants may require relocation. Consequently, the City is encouraged to coordinate the placement of the sidewalk with the Utility Company and Fire Department before construction begins. No other significant obstructions were noted during the site visit except for the occasional free-standing residential mailbox, landscape beds, and large trees. City officials indicated that they would prefer removal of the trees instead of trying to meander the sidewalk around or through them. According to the City, this would reduce the amount of on-going maintenance and local residents would not object since it would reduce the amount of potential storm damage to their property. It was also observed that the hotel located at the east end of Fremont Avenue had installed asphalt paving within the Fremont Avenue right-of-way to apparently augment their on-site parking needs. This asphalt will also need to be removed to allow for the sidewalk, and sod will need to be installed between the edge of the roadway and the new sidewalk.

Cross walk striping together with access ramps designed in accordance with the requirements of the American's with Disabilities Act (ADA) will be required at six intersections and are included in the Engineer's Opinion of Probable Cost. The affected intersections include Vernon Street; School Street; Dr. Martin Luther King Jr. Boulevard; Marion Street; Segrave Street and Fremont Avenue at the Dr. Martin Luther King Jr. Boulevard intersection. An at-grade crossing will also be required across the Florida East Coast Railroad line that intersects with Fremont Avenue northeast of Marion Street. The existing street name signs and stop signs will continue to be used in their current location. Information and/or regulatory signage as required will be provided at appropriate locations and are included in the Engineer's Opinion of Probable Cost. The only landscaping proposed will be sodding of areas disturbed during construction. Some grading and drainage improvement may be required at certain locations. Lighting is not included as part of the application. These considerations have been incorporated into the Engineer's Opinion of Probable Cost.

Cost Summary

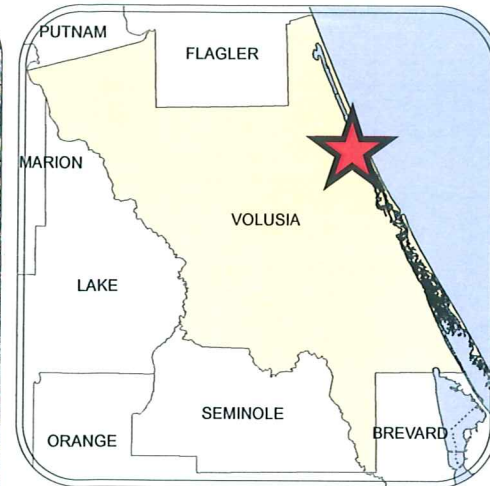
The Enhancement Application, prepared in 2002, projected a total cost of \$70,075.00 for construction of the proposed project. The Application indicates that the City would provide \$8,760.00 in local matching funds, while the State would provide an additional \$8,760 of matching funds for a sub-total of \$17,520. The Federal funding contribution would therefore be \$52,555.

The Engineer's Opinion of Probable Cost prepared by GAI Consultants, Inc. indicates a budget of \$129,869.27. The difference between GAI's projected cost and the City's projected cost is \$59,794.27. The two main reasons for the difference in projected cost are that the City's estimate is six years old, and that the FDOT's Unit Price figures were utilized in developing GAI's Engineer's Opinion of Probable Cost. A detailed breakdown of GAI's projected cost is provided in **Appendix B**.

The FDOT Long Range Estimating System (LRE) prepared by GAI indicates a budget of \$152,026.25. This represents a difference of \$22,156.98

from the Engineer's Opinion of Probable Cost prepared by GAI. The Engineer's Opinion of Probable Cost is based on FDOT historical cost data generated from previous projects. The LRE is based on the most current cost data available and in this case represents a difference of \$22,156.98 from the Engineer's Opinion of Probable Cost. **Appendix C** provides a detailed cost breakdown per FDOT's LRE program.





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 EB 9951
 301 EAST PINE STREET
 ORLANDO, FLORIDA 32801
 PHONE: (407) 423-8398

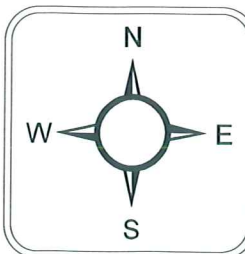
Legend

- Enhancement Corridor
- - - East Coast Greenway Trail
- Votran Bus Route
- ▨ Park
- ▨ Public Golf Course

Schools

- ▢ Elementary School
- ▢ Middle School
- ▢ Private School
- ▢ School

Fremont Avenue Enhancement Niles St. to Ridgewood Ave.



SCALE: 1 inch equals 1,000 feet
 DATE: 09/11/2008
 PROJECT NO.: A030071.05.080
 SHEET NO.: 1



Northeasterly view along Fremont Avenue at the intersection of Niles Street as shown above. The Fremont Avenue right-of-way is located to the left of the fire hydrant. The City anticipates constructing a 5-foot wide sidewalk along the east side of Niles Street in the future.



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Northeasterly view along Fremont Avenue at the intersection of Vernon Street. The right-of-way is located between the fire hydrant and the landscape hedge. Pedestrian cross-walk striping together with a traffic stop bar will be required at this intersection.



Northeasterly view along Fremont Avenue at the intersection of School Street. The right-of-way is located between the fire hydrant and the landscape hedge. Pedestrian cross-walk striping together with the traffic stop bar will be required at this intersection.



Typical northeasterly view along Fremont Avenue. There are no significant obstructions along the right-of-way except for the occasional large tree, shrub bed or mailbox.



Northeasterly view along Fremont Avenue at the intersection of Dr. Martin Luther King Jr. Boulevard. An existing 5-foot wide concrete sidewalk with access ramp is located along the east side of Dr. Martin Luther King Jr. Boulevard. No pedestrian cross-walk striping has been provided across Fremont Avenue. A pedestrian cross-walk will also be required across Dr. Martin Luther King Jr. Boulevard.



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Curb and gutter with drainage catch basins are located at the intersection of Fremont Avenue and Dr. Martin Luther King Jr. Boulevard. Water valve boxes are also located at the intersection of Fremont Avenue and Dr. Martin Luther King Jr. Boulevard as shown below.





Northeasterly view along Fremont Avenue at the intersection of Marion Street. Large trees and landscape material are located within the right-of-way and will need to be removed. Pedestrian cross-walk striping together with the traffic stop bar will be required at this intersection. The sanitary sewer line is located within the roadway as shown below.





Northeasterly (above) and southwesterly (below) views of the Florida East Coast railroad line that intersects Fremont Avenue northeast of Marion Street. An at-grade pedestrian crossing will be required at this location.





Northeasterly view along Fremont Avenue at the intersection of Segrave Street. The asphalt paved right-of-way adjacent to the hotel is shown in the background. Pedestrian cross-walk striping together with a traffic stop bar will be required at this intersection.



Northeasterly view along Fremont Avenue at the intersection of Ridgewood Avenue (U.S. 1). An existing 5-foot wide concrete sidewalk with access ramp is located along the west side of Ridgewood Avenue (U.S. 1). The proposed sidewalk along the north side of Fremont Avenue will terminate at this location by providing a connection to this existing sidewalk.





Northerly view along Ridgewood Avenue (U.S. 1) showing the existing 5-foot wide concrete sidewalk with access ramp. Existing asphalt paving within the right-of-way adjacent to the hotel as shown below.





FREMONT AVENUE



APPENDIX A

City of Daytona Beach Enhancement Application and Cost Estimate

MAY 03 2002

Application for Transportation Enhancement Projects Under \$100,000

Criteria Summary

Priority Criteria	Points
(1) Proximity to Attractions	25
(2) Connectivity	20
(3) Existing Demand	20
(4) Proximity to Transit	10
(5) Safety	10
(6) Project Cost	10
(7) Local Match	5
Total	100

Project Name: Freemont Avenue Bicycle/Pedestrian Project

Project termini: From Niles Street to Ridgewood Avenue

Applicant (City/County) The City of Daytona Beach

Contact Information:

Name: Stuart Buchanan

Title: Grants Administrator

Address: P.O. Box 2451

Daytona Beach, FL 32114

Phone: 671-8618

Fax: 671-8695

Email: Buchananstuart@ci.daytona-beach.fl.us

Criteria Definitions

For a bicycle, pedestrian or multi-use facility project to be eligible for funding through the MPO Priority Process, the project MUST be consistent with the goals and intent of TEA-21 and the 2020 Long Range Transportation Plan-Refinement.

Project Description: The project consists of constructing a 5' concrete sidewalk along Fremont Avenue to link existing sidewalk segments and the East Coast Greenway Trail.

(1) Proximity to Attractions (Total points possible = 25 points)

This measure considers the number and type of productions and attractions that will be served by the facility.

Please identify the number of the following production or attraction types that will be served by the facility (1/4 mile radius):

- Residential developments, apartments complexes, etc. 2
- City centers, activity centers, etc. 1 (School)
- Parks, miscellaneous attractions, trailheads, etc. 1 (Park)
- Shopping plazas, malls, retail outlets, etc.

Is the proposed project located within 2 miles of a school? Yes X No Please indicate if the facility serves more than one school: Serve 3 schools

Project Description: Project serves residential neighborhood and local school.

(2) Connectivity (Total points possible = 20 points)

This criterion considers whether the proposed project will join disconnected networks or complete fragmented facilities in the existing network of bike lanes, bike paths and sidewalks.

Does the project extend an existing facility rather than connect separate segments?

Yes ___ No ___

Project Description: _____

Does the project provide a connection between an existing facility and planned/programmed facility? Yes ___ No ___

A complete application will include information regarding the programmed (funded) project.

Project Description: _____

Does the proposed project connect existing bicycle/pedestrian facilities? Yes ☒ No ___

Project Description: Connects existing sidewalks and the East Coast Greenway Trail.

Is the proposed bicycle or pedestrian connection identified as "needed" in an adopted document such as an arterial investment study, a comprehensive plan, or a master plan? Yes X No

A complete application will reference the study or plan that identifies the proposed project.

Project Description: Local comprehensive plan identifies bicycle/pedestrian facilities
connects residential areas to activity centers such as the community college and hospital.

(3) Existing Demand (Total points possible = 20 points)

This criterion considers the evidence of existing or latent demand for the project.

Please attach photographs or other documentation as appropriate.

Does the project area have obvious indications of existing demand such as ground wear or bicycle/pedestrian traffic count data? Yes X No

Grade K-6

Project Description: Children and parents walk to local school and park.

Does the project have documented public support (i.e. requests from community groups, homeowners associations, and/or school administrators, etc., as well as letters of support, signed petitions, or documented public comments)? Yes X No

Project Description: See attached City Commission Resolution.

(4) Proximity to Transit (Total points possible = 10 points)

This component considers whether a project facilitates access to transit routes/stops (1/4 mile).

List and identify the VOTRAN bus routes: Route 1 and total number of designated stops 1 served by the proposed project.

South Nova Road Bus Route

(5) Safety (Total points possible = 10 points)

This measure identifies the proposed projects that address a safety component.

Is the project located in an area identified as a hazardous walk zone by Volusia County Schools? Yes ☐ No ☒

Does the project serve a location with a significant number of crashes, or provide an alternate route for such a location?

Project Description:

(6) Project Cost (Total points possible = 10 points)

This measure considers a project's demand for scarce financial resources.

Please indicate the range of cost for the proposed project by checking only one item on below on the appropriate line:

- $\geq \$500,000?$ ☐
- Between \$400,000 - \$499,999 ☐
- Between \$300,000 - \$399,999 ☐
- Between \$200,000 - \$299,999 ☐
- Between \$100,000 - \$199,999? ☐
- $< \$100,000$ ☒

(7) Local Match (Total points possible = 5 points)

This measure considers the financial commitment of a local government or private firm to the completion of a project.

Please provide documented support of matching funds.

What is the level of local match or private contribution being provided for this project? 12.5 %

Project Description: The City has provided \$8,760 in local matching funds. Total project
Cost is \$70,075.

(8) Required Information

Please identify below if the following work has been completed, or will be completed, on the project and who performed or will perform the work.

Work Type	Has this phase been completed? Yes / No	Who performed or will perform work? Responsible Agency
Planning (Phase 1X)	Yes	
Project Development Environmental Assessment Study (Phase 1X)	Yes	
Design (Phase 2X)	Yes	
*Right of Way Acquisition (Phase 3X)	Yes	
Environmental Permitting	No	City
Construction (Phase 4X)	No	City
Construction Engineering Inspection	No	City
Other	No	City

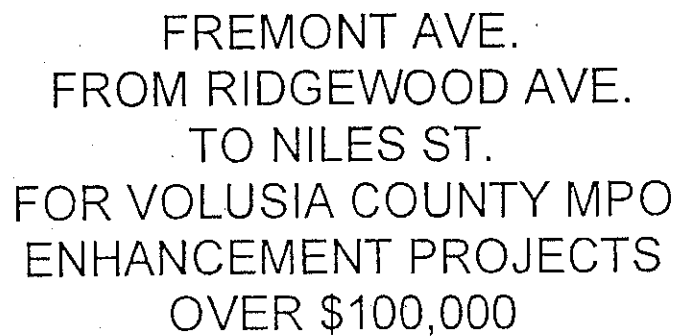
*Right of Way should be assumed to be needed.

(9) Required Information

Provide an estimate of the total cost of the project phase(s) requested and identify the proposed funding source.

WORK TYPE	FEDERAL FUNDING	STATE FUNDING	LOCAL FUNDING	OTHER FUNDING	TOTAL FUNDING
Planning (Phase 1X)					
Project Development Environmental Assessment Study (Phase 1X)					
Design (10%) (Phase 2X)					
Right-of-Way Acquisition (Phase 3X)					
Environmental Permitting					
Construction (Phase 4X)	\$53,555	\$8,760	\$8,760		\$70,075
Construction Engineering Inspection					
Other					
Total	\$52,555	\$8,760	\$8,760		\$70,075

*A MAP SHOWING THE LOCATION OF THE PROPOSED PROJECT
IS ALSO REQUIRED*



RESOLUTION NO. 02-192

A RESOLUTION SUPPORTING VARIOUS EXISTING AND PROPOSED TRANSPORTATION IMPROVEMENT PROJECTS FOR INCLUSION AND PRIORITIZATION IN THE VOLUSIA COUNTY METROPOLITAN PLANNING ORGANIZATION'S TRANSPORTATION IMPROVEMENT PROGRAM; AND PROVIDING WHEN THIS RESOLUTION SHALL TAKE EFFECT.

WHEREAS, the Volusia County Metropolitan Planning Organization (MPO) is recognized by the State of Florida as the agency responsible for the comprehensive planning process for transportation in the urbanized areas of Volusia County; and

WHEREAS, the Development Services Director recommends that the City express its support for various existing and proposed transportation improvement projects for inclusion and prioritization in the MPO's Transportation Improvement Program.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF DAYTONA BEACH, FLORIDA:

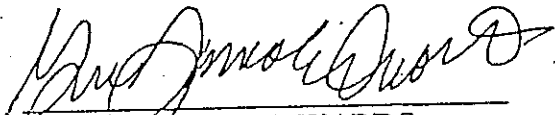
SECTION 1. The City Commission of The City of Daytona Beach hereby notifies the Volusia County Metropolitan Planning Organization (MPO) that the City supports retaining all of those projects currently listed on Exhibit A, the MPO's current Priority Projects list, attached hereto and made a part hereof.

SECTION 2. The City Commission of The City of Daytona Beach hereby requests that the MPO add the projects listed on the New Applications list submitted by the City and attached hereto as Exhibit B to the above-described Prioritized Projects list.

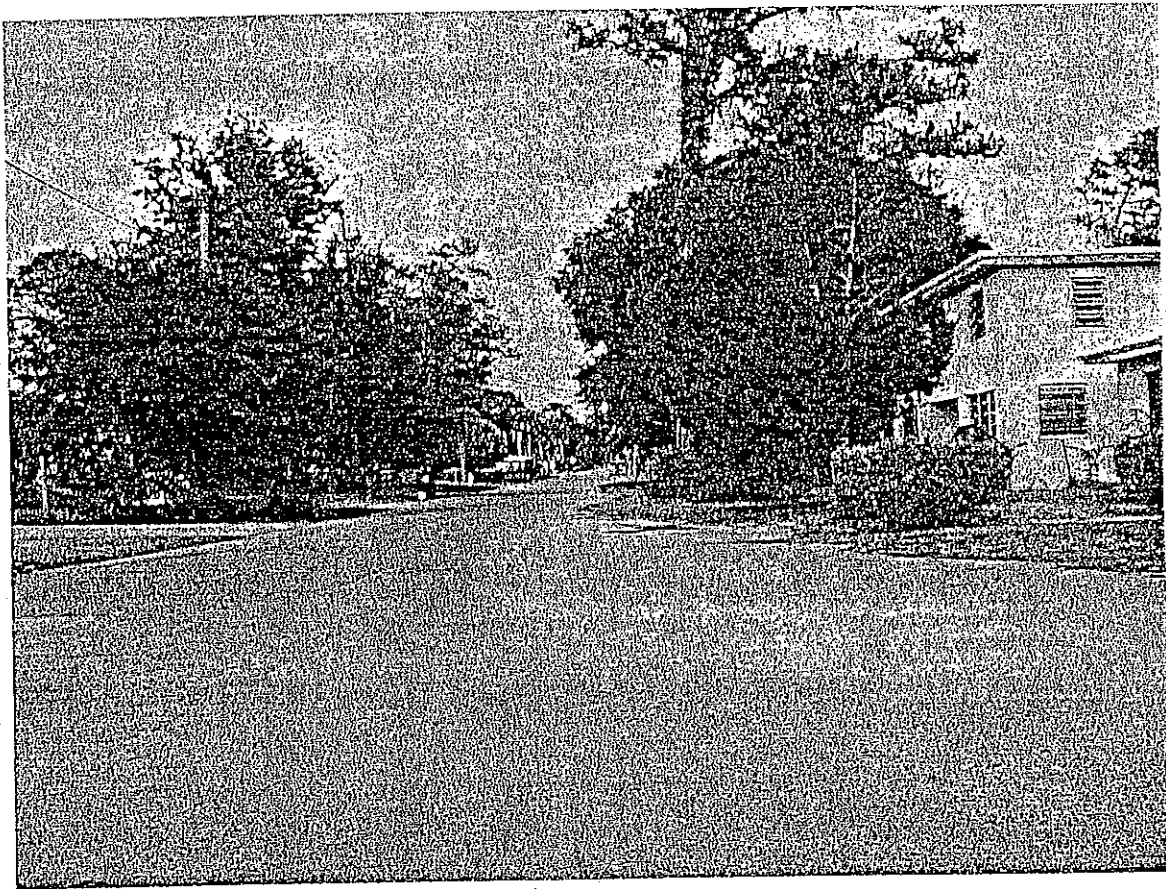
SECTION 3. This Resolution shall take effect immediately upon its adoption.


BARON H. ASHER
Mayor

ATTEST:


GWEN AZAMA-EDWARDS
City Clerk

Adopted: April 24, 2002





RESOLUTION NO. 03-166

A RESOLUTION SUPPORTING VARIOUS EXISTING AND PROPOSED TRANSPORTATION IMPROVEMENT PROJECTS FOR INCLUSION AND PRIORITIZATION IN THE VOLUSIA COUNTY METROPOLITAN PLANNING ORGANIZATION'S TRANSPORTATION IMPROVEMENT PROGRAM; AND PROVIDING WHEN THIS RESOLUTION SHALL TAKE EFFECT.

WHEREAS, the Volusia County Metropolitan Planning Organization (MPO) is recognized by the State of Florida as the agency responsible for the comprehensive planning process for transportation in the urbanized areas of Volusia County; and

WHEREAS, the Development Services Director recommends that the City express its support for various existing and proposed transportation improvement projects for inclusion and prioritization in the MPO's Transportation Improvement Program.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF DAYTONA BEACH, FLORIDA:

SECTION 1. The City Commission of The City of Daytona Beach hereby notifies the Volusia County Metropolitan Planning Organization (MPO) that it supports those projects on the Prioritized Projects list attached hereto as Exhibit A (7 pages).

SECTION 2. The City Commission of The City of Daytona Beach hereby requests the Volusia County MPO to consider the projects on the New Applications list submitted by the City and attached hereto as Exhibit B (1 page) for inclusion on the MPO's project list, and that the County of Volusia provide local funding for each project where required. Any application submitted by the City which requires a local match shall be withdrawn if the City is unable to meet the required match.

Volusia County MPO List of Prioritized Roadway Projects

Adopted - August 27, 2002

Priority* Rankings	FDOT FNI#	Project Name	Project Limits	Project Type	Project Sponsor	Project Phase	Project Cost Estimates	Total Project Score
1	2409921	US 1 - AIS Recommendation (a) SR 415	SR 40 to Park Ave	Intersection Improvements	Multi-Jurisdictional	ROW/CST	\$7,000,000	
2	4073552	(b) SR 415	SR 44 to Howland Blvd	4 Lane	Volusia County	ROW/CST	\$38,940,700	
3	4102521	US 92 to CR 415 (Timnoka Farms Rd)	Howland Blvd to Seminole County	4 Lane & Traffic Light @ Doyle Rd	Volusia County	ROW/CST	\$23,423,200	
4	4081541	US 92 to US 1	US 92 to CR 415 (Timnoka Farms Rd)	2 Lane Extension	Volusia County & Daytona	PE/ROW/CST	\$21,962,800	
5	4081781	(a) Clyde Morris Blvd (SR 483)	Nova Road to US 1	4 Lane	Volusia County	PE/ROW/CST	\$24,000,000	72
		(b) Clyle Morris Blvd @ US 92	US 92 to Beville Rd (SR 400)	6 Lane	Volusia County & Daytona	PE/ROW/CST	\$18,000,000	
		(c) Clyle Morris Blvd @ Beville Rd		Single Point Urban Interchange	Volusia County & Daytona	PE/ROW/CST	\$20,000,000	
6	4102511	US 17	SR 40 to Del.com Springs Blvd.	4 Lane	Volusia County	PE/ROW/CST	\$22,231,600	57
7	4046461	Heresford Ave/SR 44	Blue Lake Ave to Summit Ave	2 Lane Extension	DeLand	PE/ROW/CST	\$3,695,000	54
8		Alison Ave (SR 430)	SR 483 to Seabreeze Bridge	6 Lane	Daytona Beach	PE/ROW/CST	\$13,217,100	69
9		US 92	Nova Rd to US 1	6 Lane	Daytona Beach	PE/ROW/CST	\$4,956,400	65
10		Memorial Bridge (Orange Ave)	District Court House to Peninsula Dr	Bridge Replacement	Volusia County	PE/ROW/CST	\$41,040,000	46
11		Beville Rd (SR 400) #1	Clyde Morris Blvd to Nova Rd	6 Lane	Daytona Beach	PE/ROW/CST	\$8,404,900	43
11		Howland Blvd	Providence Blvd to Elkcam Blvd	4 Lane	Volusia County	PE/ROW/CST	\$4,830,000	43
13		Providence Blvd #1	Howland Blvd to Ft. Smith Blvd	4 Lane	DeLand	PE/ROW/CST	\$5,493,000	40
14		Spence Creek Rd	Herbert St to Dunlawton Ave	2 Lane Extension	Port Orange	PE/ROW/CST	\$1,200,000	38
15		Providence Blvd #2	Trivoli Dr to Doyle Rd	4 Lane	DeLand	PE/ROW/CST	\$6,069,400	37
16		Main Street Bridge	Bench St to Halifax Ave	Bridge Replacement	Volusia County	PE/ROW/CST	\$41,040,000	35
17		Beville Rd (SR 400) #2	Nova Rd to US 1	6 Lane	Daytona Beach	PE/ROW/CST	\$10,005,400	33
17		Ilana Ave	Williamson Blvd to Shangri La Dr	4 Lane	Ormond Beach	PE/ROW/CST	\$7,038,000	33
17		Yokavane Blvd	Dunlawton Ave to Taylor Rd	2 Lane Extension	Port Orange	PE/ROW/CST	\$6,001,750	33
20		Dunn Ave	US 92 to Williamson Blvd	2 Lane Extension	Daytona Beach	PE/ROW/CST	\$16,430,000	31
21		Williamson Blvd	US 92 to Judge/Dunn Ave	4 Lane	Ormond Beach	PE/ROW/CST	\$8,602,000	21
22		SR 442	Airport Rd Extension to I-95	2 Lane Extension	Edgewater	PE/ROW/CST	\$15,960,000	20
22		Knox Bridge (High Bridge Rd)	W. of bridge to John Anderson Dr	Bridge Replacement	Volusia County	PE/ROW/CST	\$20,350,000	20
24		Fynher Creek Rd	SR 40 to US 92	2 Lane Extension	Volusia County	PE/ROW/CST	\$6,415,000	16
					Total		\$421,024,250	

* Last year's number #1 project (6 lane - US 17/92 from SR 15A/Taylor Rd to SR 472) was fully funded for construction in Fiscal Year 2006/2007.

Volusia County MPO List of Prioritized Interstate Projects
 Adopted - August 27, 2002

Priority Rankings	FDOT FMI#	Project Name	Project Limits	Project Type	Project Sponsor	Project Phase	Project Cost Estimates	Total Project Score
1	2427153	I-95 - #1	US 92 to I-4	Widen from 4 to 6 Lanes	Daytona Beach	PE/ROW/CST	\$17,715,000	
2	4084631	I-4 - #1	SR 472 to SR 44	Widen from 4 to 6 Lanes	MPO	PE/ROW/CST	\$64,988,000	51
3	4084641	I-4 - #2	SR 44 to I-95	Widen from 4 to 6 Lanes	MPO	PE/ROW/CST	\$73,408,000	50
4	4088606	I-95 - #2	I-4 to SR 44	Widen from 4 to 6 Lanes	MPO	PE/ROW/CST	\$11,100,000	43
4	4088604	I-95 - #3	SR 44 to Brevard Co.	Widen from 4 to 6 Lanes	New Smyrna Beach/MPO	PE/ROW/CST	\$15,550,000	41
6		I-95 Interchange	at Pioneer Trail	Interchange	New Smyrna Beach	PE/ROW/CST	\$21,000,000	25
						Total	\$203,761,000	

Volusia County MPO List of Prioritized Traffic Operations Projects
Adopted - August 27, 2002

Priority Rankings	FDOT FNI#	Project Name	Project Limits	Project Type	Project Sponsor	Project Phase	Project Cost Estimates	Total Project Score
1		Dunlawton @ City Center Parkway	Dunlawton @ City Center Parkway	Traffic Signal	Port Orange	PE/CST	\$200,000	68
2		US 92	E. Side of Broadway Bridge to SR A1A	Misc. Traffic Operations	Daytona Beach	PE/CST	\$1,000,000	65
3		SR A1A Median Project	Fraser Rd to Dunlawton Ave (SR 421)	Median Project	Daytona Beach Shores	PE/CST	\$2,800,000	62
4		LED Signal Replacement	Countywide	LED Signal Replacement	Volusia County	PE/CST	\$270,000	61
4		Dunlawton Ave @ N. Swallow Tail	Dunlawton Ave @ N. Swallow Tail	Traffic Signal	Port Orange	PE/CST	\$200,000	61
6		Orchard St @ SR 40	Orchard St @ SR 40	Northbound Left Turn Lane	Ormond Beach	PE/CST	\$100,000	59
7		I-95 DASH Expansion	US 1 to SR 44	ITS Project	Volusia County	PE/CST	\$7,000,000	56
8		SR 5A (Nova Rd) @ US92 (USH)	SR 5A (Nova Rd) @ US92 (USH)	Northbound Right Turn Lane	Volusia County	PE/ROW/CST	\$615,000	54
8		SR A1A @ Lynnhurst	SR A1A @ Lynnhurst	Northbound Left Turn Lane	Volusia County	PE/CST	\$200,000	54
10		Clyde Morris Blvd @ Mason Ave	Clyde Morris Blvd @ Mason Ave	Northbound Right Turn Lane	Volusia County	PE/ROW/CST	\$430,000	48
11		US 1 Right Turn Lanes	Art Center Ave to Industrial Park Dr	Turn Lanes	New Smyrna Beach	PE/CST	\$180,100	47
						Total	\$13,004,100	

Volusia County MPO List of Prioritized Bicycle/Pedestrian Set-aside Projects (12.5%)

Adopted - August 27, 2002

Priority Rankings	FDOT FM#	Project Name	Project Limits	Project Type	Project Sponsor	Project Phase	Project Cost Estimates	Total Project Score
1		US 1 in New Smyrna - #1	Hotel Shores to Industrial Park	Pedestrian Facility	New Smyrna Beach	PE/CST	\$62,500	
2		Mason Ave	Hill France Blvd to US 1 (same sidewalk existing)	Pedestrian Facility	Daytona Beach	PE/CST	\$224,000	
3		Herbert Street	Clyde Morris Blvd to Nova Rd	Sidewalk	Port Orange	PE/ROW/CST	\$100,200	
4		Lake Monroe Bike/Ped Facility	Providence Blvd to Garfield Rd	Bike/Pedestrian Facility	Volusia County	PE/ROW/CST	\$196,375	88
5		Dellany/Orange City U/P Facility	Saxon Blvd to French Ave	Bike/Pedestrian Facility	Volusia County	PE/ROW/CST	\$298,000	86
6	4081781	Clyde Morris Blvd (SR 48A)	US 92 to Beville Rd	Bike/Pedestrian Facility	Volusia County	PE/CST	\$271,100	78
7		Alabama Avenue	Stetson University to Beresford Ave	Bikeway	Deland	PE/CST	\$316,000	77
8		US 1 in New Smyrna - #2	2 Locations	Pedestrian Facility	New Smyrna Beach	PE/CST	\$104,000	76
9		West Canal Street (Bus. 44)	Ingham Rd to SR 44	Sidewalk	New Smyrna Beach	PE/CST	\$68,000	67
10		Madeline Avenue (Phase 1)	Clyde Morris Blvd to Nova Rd	Sidewalk	Port Orange	PE/CST	\$82,000	64
11		US 1 in Ormond (west side)	Wilmette Ave to Hernandez Ave	Pedestrian Facility	Ormond Beach	PE/CST	\$130,000	58
11		US 1 in Ormond (east side)	Dix Ave to Melrose Ave	Pedestrian Facility	Ormond Beach	PE/CST	\$200,000	58
13		Spence Creek Road	Dunlawton Ave to Commonwealth Ave	Sidewalk	Port Orange	PE/ROW/CST	\$161,000	56
14		Madeline Avenue (Phase 2)	Williamson Blvd to Clyde Morris Blvd	Sidewalk	Port Orange	PE/CST	\$71,500	54
15		Spring to Spring (Phase 4)	Train Station to W. French Ave	Multi-use Trail	Volusia County	PE/ROW/CST	\$1,220,000	48
15		Spring to Spring (Phase 3)	French Ave to Gemini Springs	Multi-use Trail	Volusia County	PE/ROW/CST	\$1,110,000	48
17		Williamson Boulevard	Hand Ave to Existing facility	Sidewalk	Ormond Beach	PE/CST	\$250,000	44
18		Spring to Spring (Phase 5)	Delcon Springs to Train Station	Multi-use Trail	Volusia County	PE/ROW/CST	\$1,360,000	43
19		Hand Avenue	Williamson Blvd to Jerome St	Multi-use Trail	Ormond Beach	PE/CST	\$547,000	38
20		SR 40 (north & south side)	Tyler Creek Rd to I-95	Sidewalk	Ormond Beach	PE/CST	\$500,000	30
TOTAL							\$13,496,179	

Volusia County MPO List of Public Transportation Set-aside Projects (20%)

Adopted - August 27, 2002

Priority Rankings	FDOT FIM#	Project Name	Project Limits	Project Type	Project Sponsor	Project Phase	Project Cost Estimates	Total Project Score
		VOTRAN Buses	Countywide	Purchase New Buses	Volusia County/VOTRAN		N/A	N/A
						Total	N/A	

Volusia County MPO List of Prioritized Enhancement Projects for FY 2007-2008 - List A
(Projects Costing More Than \$100,000)
Adopted - August 27, 2002

Priority Ranking	FDOT FH#	Project Name	Project Limits	Project Type	Project Sponsor	Project Phase	Project Cost Estimates**	Total Project Score
1*	2410011	SR A1A Enhancement Lake Monroe	D10: N city limit to S city limit	Identification	Daytona Beach	PE & CST	see note below*	
2			Prevalence Blvd to Garfield Rd	Bike/Ped. Facility	Volusia County	PE/ROW/CST	\$196,875	88
3			French Ave to Saxon Blvd	Bike/Ped. Facility	Volusia County	PE/ROW/CST	\$298,000	86
4		DeLany/Orange City	Aquinas/Taylor to Blue Lake Ave	Bikeway	DeLand	PE & CST	\$191,100	79
5	4081281	DeLand Greenway - Ph 1	US 92 to Hecille Rd (SR 400)	Bike/Ped. Facility	Volusia County	PE & CST	\$273,100	78
6		Clyde Morris Blvd - #1	French Ave to Gemini Springs	Multi-use Trail	Volusia County	PE/ROW/CST	\$3,210,000	78
7		Spring to Spring Trail - 1	US 1 to SR A1A	Bike/Ped. Facility	Daytona Beach	PE & CST	\$1,200,000	75
8		Mason/Seneca/Oakridge	US 17 to Kepler Rd	Bike/Ped. Facility	DeLand	PE & CST	\$380,000	74
9		US 92	Train Station to French Ave	Multi-use Trail	Volusia County	PE/ROW/CST	\$1,220,000	68
10		Spring to Spring Trail - 4	Hand Ave to Mason Ave	Bike Lane	Volusia County (#8)	PE & CST	\$183,000	67
11		Clyde Morris Blvd - #2	Pioneer Settlement to US 17	Bike Lane	Volusia County (#11)	PE & CST	\$2,100,000	67
12		CR M/Vince DeLeon Blvd	Sabal Creek to Mandy Bridge	Sidewalk	Volusia County (#7)	PE & CST	\$360,000	65
13		Airport Road	Williamson Blvd to Nova Rd	Sidewalk	VC (#9)/Ormond	PE & CST	\$300,000	64
14		Hand Avenue	Saxon Dr to Angelfish Ave	Sidewalk	Volusia County (#5)	PE & CST	\$470,000	62
15		CR A1A	US 92 to Dellevine Ave	Sidewalk	Volusia County (#6)	PE & CST	\$140,000	60
16		Williamson Blvd	DeLeon Springs to Train Station	Multi-use Trail	Volusia County	PE & CST	\$1,100,000	58
17		Spring to Spring Trail - 5	Cypress Creek Rd to I-95	Sidewalks	Ormond Beach	PE & CST	\$490,000	45
18		SR 40	Halifax to Spence Creek	Pedestrian Lighting	Port Orange	PE & CST	\$174,510	37
19		Dundawton Avenue - Ph 1	I-95 to Spence Creek	Pedestrian Lighting	Port Orange	PE & CST	\$334,710	37
20		Dundawton Avenue - Ph 2	SR 40 to Harvard Dr	Pedestrian Lighting	Ormond Beach	PE & CST	\$110,000	24
		SR A1A				Total	\$17,491,295	

* 50 percent of the Enhancement dollars, not to exceed \$500,000, for FY 06-07 and FY 07-08 will go to the Number 1 ranked project (SR A1A Enhancement), on Enhancement List A, with the remainder of the Enhancement dollars to be allocated to the remaining projects on lists "A" and "B", with the caveat that all projects will be handicapped accessible.

** Since the Enhancement list has been subdivided into 2 lists based on funding being applied for, these cost estimates DO NOT include local matching funds - only those funds that are being requested (i.e., federal and state funds).

Volusia County MPO List of Prioritized Enhancement Projects for FY 2007-2008 - List B
(Projects Costing Less Than \$100,000)
Adopted - August 27, 2002

Priority ^A Ranking	FDOT Fwy#	Project Name	Project Limits	Project Type	Project Sponsor	Project Phase	Project Cost Estimates**	Total Project Score
1		Elkenn Blvd	Providence Blvd to Howland Blvd	Bike/Tel. Facility	Deltona	CST	\$24,940	95
2		Seeneea Street	George Engman Blvd to US 92	Bike/Tel. Facility	Daytona Beach	CST	\$68,862	84
3		Leavitt Ave	Blue Springs to Rhode Island	Sidewalk	Orange City	PE/ROW/CST	\$16,100	83
4		Spunkman Avenue	French Ave to Ohio Ave	Sidewalk	Orange City	PE/ROW/CST	\$50,820	83
5		DeLand Greenway - Ph 2	French Ave to Ohio Ave	Sidewalk	DeLand	PE & CST	\$61,100	82
6		Freeman Ave	Heresford Ave to New Hampshire Ave	Bikeway	Daytona Beach	CST	\$61,115	80
7		North Street	White St to Heinemann St	Bike/Tel. Facility	Daytona Beach	CST	\$39,300	77
8		Haley Strickland Blvd	Enterprise Rd to Veterans Mem. Pkwy	Bike/Tel. Facility	Orange City	PE/ROW/CST	\$36,100	75
9		French Street	Shady Place to Southern City Limits	Recreational Trail	Daytona Beach	CST	\$98,218	69
10		DeLand Greenway - Ph 3	Taylor Rd to New Hampshire Ave	Bikeway	DeLand	PE & CST	\$49,700	62
11		Novia Rd Park System	2 Parks @ Ponds #5 and #6	Sidewalk	Ormond Beach	PE & CST	\$28,500	47
12		Dunlawton Avenue - Ph 3	Forest Preserve to I-95	Pedestrian Lighting	Port Orange	PE & CST	\$55,089	38
					Total		\$610,453	

^A 50 percent of the Enhancement dollars, not to exceed \$500,000, for FY 06-07 and FY 07-08 will go to the Number 1 ranked project (SIR A1A Enhancement), on Enhancement List A, with the remainder of the Enhancement dollars to be allocated to the remaining projects on Lists "A" and "B", with the caveat that all projects will be handlaapproved accessible.

^{**} Since the Enhancement list has been subdivided into 2 lists based on funding being applied for, these cost estimates DO NOT include local matching funds - only those funds that are being requested (i.e., federal and state funds).

NEW APPLICATIONS

Roadway and/or Interstate Projects

Bellevue Ave. - Add lane and bike path / sidewalk
from NEVA RD TO CLYDE MORRIS BLVD

I-4 at LPG Extension (Tomoka Farms Road) - Add new Interchange

Enhancement and/or Bike Pedestrian Set Aside Projects

Williamson Blvd. from US 92 to Hand Ave. - Add Bike Path /
Sidewalk

Strickland Range Road from Clyde Morris Blvd. to Flomach Ext. -
Add Bike Path / Sidewalk



The CITY OF DAYTONA BEACH

—“THE WORLD’S MOST FAMOUS BEACH”—

April 27, 2004

Department of Development Services

Mike Neidhart
Volusia County MPO
1190 Pelican Bay Drive
Daytona Beach, Florida

Dear Mr. Neidhart:

The City is re-submitting the Flomich Strickland Range Enhancement Project and requests that it be reevaluated and ranked higher so as to receive funding sooner. When the original application was submitted the Middle School was a proposed facility. At this time the Middle school is under construction. As a matter of safety we feel that this project should be elevated and receive a higher priority ranking.

The City of Daytona Beach is also in full support of the projects that were previously submitted and respectfully request that all projects remain as a candidate project for funding. These projects are:

Roadway Mason Av (SR 430)-#1,
 Beville Rd (SR400)-#1
 US 92,
 Beville Rd (SR400)-#2

Interstate I-95-#1
 I-4 Interchange

Traffic US 92
Operation

Enhancement Mason/Seabreeze/Oakridge
 Flomich/Strickland Range

Excerpts from Comp Plan

Traffic Section

...The City shall closely monitor the traffic volumes on designated constrained facilities and at that time a constrained facility reaches it minimum acceptable level-of service, the City shall not allow further development which cannot provide acceptable mitigative measures to the adverse traffic impacts of the proposed development.

Objective 1.4 In order to correct existing and projected roadway deficiencies, undertake appropriate roadway projects according to a time schedule....2000-2005, 2005-2010.

Policy 1.4.1 In order to correct existing roadway deficiencies, thorough the MPO urge Volusia County and the State of Florida to undertake the following projects as soon as funding is available.

Bike Paths

Objective 1.13 The City shall continue to support the development of bicycle facility development in the City consistent with the MPO long-range transportation plan as updated.

Policy 1.13.3 Maintain in the City's land development regulations for the construction interconnected bike path facilities to serve all new planned developments, subdivisions and attractions where future demands warrant.

Policy 1.13.4 Where feasible through street and park improvements projects consistent with the MPO 2020 Transportation Plan, enhance the existing City bicycle system in a manner that encourages the use of bicycles as an alternate means of transportation....

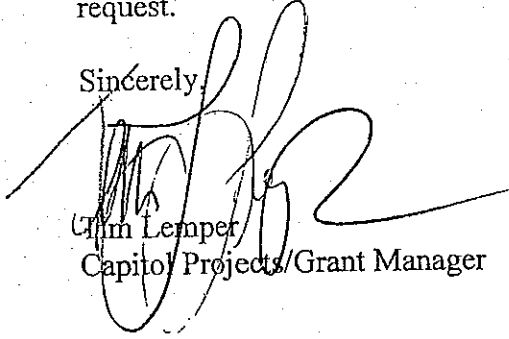
Recreation and Open Space

Policy 1.3.3...the City shall coordinate with the MPO to prepare and adopt an access plan that will set standards to maintain and improve the public automobile, bicycle, and pedestrian access to ...sites within the City.

Policy 1.3.6 the City shall create or improve facilities supporting and links connecting recreational trails and greenways.

I look forward to working with you and I am hopeful you will grant the City of Daytona Beach's request.

Sincerely,



Tim Lemper
Capitol Projects/Grant Manager

APPENDIX B

Information Provided by the City of Daytona Beach

STREET NAME	FROM STREET	TO STREET	PAVEMENT WIDTH	PAVEMENT LENGTH	RATING	ROW WIDTH
FREMONT AVE.	NILES ST.	VERNON ST.	20	260	85	50
FREMONT AVE.	SYCAMORE ST.	MARION ST.	20	695	85	50
FREMONT AVE.	VERNON ST.	SCHOOL ST.	20	260	90	50
FREMONT AVE.	SCHOOL ST.	DR. MARTIN LUTHER KING BLVD	20	270	90	50
FREMONT AVE.	DR. MARTIN LUTHER KING BLVD	SYCAMORE ST.	20	265	90	50
FREMONT AVE.	MARION ST.	F.E.C.R.R.	20	200	95	50
FREMONT AVE.	F.E.C.R.R.	SEGRAVE ST.	20	395	95	50
FREMONT AVE.	SEGRAVE ST.	RIDGEWOOD AVE.	20	440	95	50
NORTH ST.	FAIRMONT RD.	BERKSHIRE RD.	18	300	85	60
NORTH ST.	WESTMORELAND RD.	WHITE ST.	18	320	85	60
NORTH ST.	HEINEMAN ST.	FAIRMONT RD.	20	300	90	60
NORTH ST.	BERKSHIRE RD.	ESSEX RD.	18	300	75	60
NORTH ST.	ESSEX RD.	DERBYSHIRE RD.	18	320	75	60
NORTH ST.	DERBYSHIRE RD.	WESTMORELAND RD.	18	320	78	60

APPENDIX C

Engineer's Opinion of Probable Cost

FDOT District Five - Transportation Enhancement Project Review
Fremont Ave. Bicycle and Pedestrian Sidewalk Improvements - City of Daytona Beach - Volusia County
 Engineer's Opinion of Probable Cost

Phase One - (Northern Sidewalk Project)

Segment One

Length (ft) 2,585

(Distance w/ roadway crossings = 2785 LF)

From Niles Street

To Ridgewood Avenue (US - 1)

FDOT Item No.	Pay	Description	Qty.	Unit	Unit Price	Total
110 1 1		Clearing & Grubbing	0.36	AC	\$ 22,560.00	\$ 8,121.60
110 7 1		Mailboxes (New Residential)	21	EA	\$ 114.13	\$ 2,396.73
120 1		Excavation Regular	287	CY	\$ 6.02	\$ 1,727.74
522 1		Concrete Sidewalk (4" thick)	1236	SY	\$ 41.74	\$ 51,590.64
522 2		Concrete Sidewalk (6" thick)	232	SY	\$ 50.81	\$ 11,787.92
570 5		Fertilizer	0.32	TN	\$ 192.86	\$ 61.72
570 1 2		Sodding	963	SY	\$ 3.01	\$ 2,898.63
580 327 1		Tree Removal	2	EA	\$ 401.81	\$ 803.62
700 40 1		Sign Single Post (less than 12)	7	AS	\$ 316.36	\$ 2,214.52
711 111 23		Traf Stripe Solid (Thermopl.) (WH) (12")	315	LF	\$ 1.91	\$ 601.65
903 527 1		Applied Detectable Warning Device	13	EA	\$ 697.84	\$ 9,071.92
1664 800		Fire Hydrant Relocation	5	EA	\$ 1,676.37	\$ 8,381.85
		Driveway Apron	26	EA	\$ 902.38	\$ 23,461.88
		Railroad Crossing	20	LF	\$ 28.23	\$ 564.60
Subtotal						\$ 123,685.02
102 1		Maintenance of Traffic	1	LS	5.00%	\$ 6,184.25
Total						\$ 129,869.27

Notes:

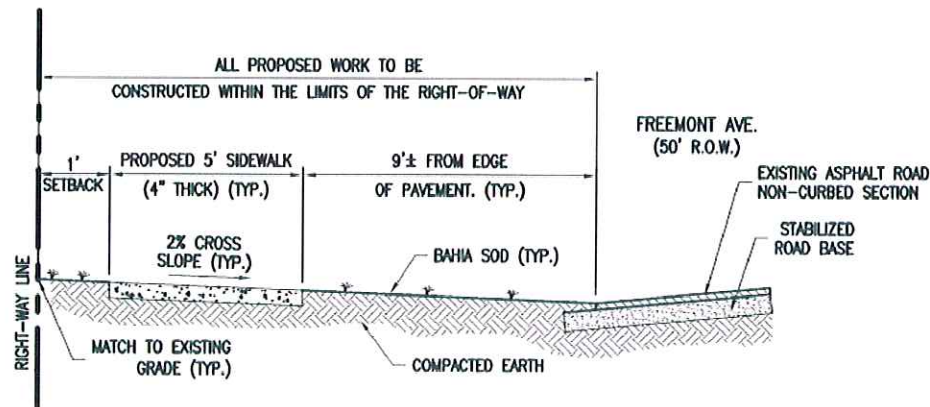
Reference Proposed Cross Section - A

Notes:

Costs estimated above are based on FDOT Statewide Averages.

Cost estimates based on preliminary site observations and assumed conditions, actual conditions may vary and impact costs, over the contingency value.

Costs for SJRWMD, Volusia County, or City of Daytona Beach area not included



"ASSUMED" TYPICAL SIDEWALK CROSS-SECTION
 SCALE: N.T.S.

APPENDIX D

FDOT Long Range Estimates (LRE)

Date: 9/24/2008 4:12:58 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 515556-1-52-01

Letting Date: 01/2099

Description: Construction of 0.49 mile 5' concrete sidewalk along Freemont Ave., City of Daytona Beach.

District: 05

County: 79 VOLUSIA

Market Area: 06

Units: English

Contract Class:

Lump Sum Project: N

Design/Build: N

Project Length: 0.490 MI

Project Manager:

Version 1-P Project Grand Total

\$152,026.25

Description: Construction of 0.49 mile 5' concrete sidewalk along Freemont Ave., City of Daytona Beach.

Sequence: 1 MIS - Miscellaneous Construction

Net Length: 0.490 MI

Description: Construction of 0.49 mile 5' concrete sidewalk along Freemont Ave., City of Daytona Beach.

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	0.00 / 0.00
Incidental Clearing and Grubbing Area	0.00

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.36	AC	\$20,000.00	\$7,200.00
120-1	REGULAR EXCAVATION	287.00	CY	\$6.50	\$1,865.50
Earthwork Component Total					\$9,065.50

ROADWAY COMPONENT

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-7-1	MAILBOX, F&I SINGLE	21.00	EA	\$117.57	\$2,468.97
570-1-2	PERFORMANCE TURF, SOD	963.00	SY	\$3.65	\$3,514.95
711-11-123	THERMOPLASTIC, STD, WHITE, SOLID, 12"	315.00	LF	\$1.98	\$623.70
Roadway Component Total					\$6,607.62

SHOULDER COMPONENT

User Input Data

Description	Value
-------------	-------

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
522-1	SIDEWALK CONC, 4" THICK	1,236.00	SY	\$38.78	\$47,932.08
522-2	SIDEWALK CONC, 6" THICK	232.00	SY	\$49.54	\$11,493.28

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
1664-800	FIRE HYDRANT RELOCATION	5.00	EA	\$1,676.37	\$8,381.85
570-5	FERTILIZER	0.32	TN	\$192.86	\$61.72
580-327-1	TREE REMOVAL	2.00	EA	\$401.81	\$803.62
700-40-1	SIGN SINGLE POST (LESS THAT 12)	7.00	AS	\$316.36	\$2,214.52
903-527-1	APPLIED DETECTABLE WARNING DEVICE	13.00	EA	\$697.84	\$9,071.92
XXXX-XX	DRIVEWAY APRON	26.00	EA	\$902.38	\$23,461.88
XXXX-XXX	RAILROAD CROSSING	20.00	LF	\$28.23	\$564.60

Shoulder Component Total

\$103,985.47

Sequence 1 Total

\$119,658.59

Date: 9/24/2008 4:12:58 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 515556-1-52-01

Letting Date: 01/2099

Description: Construction of 0.49 mile 5' concrete sidewalk along Freemont Ave., City of Daytona Beach.

District: 05

County: 79 VOLUSIA

Market Area: 06

Units: English

Contract Class: Lump Sum Project: N

Design/Build: N

Project Length: 0.490 MI

Project Manager:

Version 1-P Project Grand Total

\$152,026.25

Description: Construction of 0.49 mile 5' concrete sidewalk along Freemont Ave., City of Daytona Beach.

Project Sequences Subtotal	\$119,658.59
-----------------------------------	---------------------

102-1	Maintenance of Traffic	10.00 %	\$11,965.86
101-1	Mobilization	10.00 %	\$13,162.45

Project Sequences Total	\$144,786.90
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Project Unknowns	0.00 %	\$0.00
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Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)	LS		\$7,239.35	\$7,239.35
Project Non-Bid Subtotal					\$7,239.35

Version 1-P Project Grand Total	\$152,026.25
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