

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>
Capital Expenditures	<u>1,033,800</u>	---	---	---	---
Operating Costs	---	---	---	---	---
External Revenues	---	---	---	---	---
Program Income (County)	---	---	---	---	---
In-Kind Match (County)	---	---	---	---	---
NET FISCAL IMPACT	<u>1,033,800</u>	---	---	---	---
# ADDITIONAL FTE POSITIONS (Cumulative)	---	---	---	---	---

Is Item Included In Current Budget? Yes No

Budget Account No.:

Reporting Category

B. Recommended Sources of Funds/Summary of Fiscal Impact: Funds will be allocated from the RPE Paving and Drainage Project and CCRT Recoup Funding Accounts. Fiscal Impact will be a reduction in the amount of \$1,018,424 to the closed out RPE Paving and Drainage Improvement Project and \$15,376 to the CCRT Recoup Funding account.

C. Departmental Fiscal Review: *Pat D'Agostino*

III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Dev. and Control Comments:

[Signature] 11/18/2010
 OFMB
 ALJ 11/15/2010
 11/17/10
 11-10-10

[Signature] 11/18/10
 Contract Dev. and Control

B. Legal Sufficiency:

Anne Delgant 11/19/10
 Assistant County Attorney

C. Other Department Review:

[Signature]
 Department Director

2011- 0097

BOARD OF COUNTY COMMISSIONERS
PALM BEACH COUNTY, FLORIDA
BUDGET TRANSFER

FUND 3900 Capital Outlay Fund

ACCT.NUMBER	ACCOUNT NAME	ORIGINAL BUDGET	CURRENT BUDGET	INCREASE	DECREASE	ADJUSTED BUDGET	EXPENDED/ ENCUMBERED AS OF 10/27/2011	REMAINING BALANCE
EXPENDITURES								
366-X006-9909	CCRT Recoup Funding	453,162	694,944	0	15,376	679,568	0	679,568
366-X053-6505	Desgin/Eng/Mgmt	21,283	21,283		21,283	0	0	0
366-X053-6551	Road & Street Imp	997,141	997,141		997,141	0	0	0
366-X158-6551	Road & Street Imp	0	0	1,033,800		1,033,800		1,033,800
	Total Appropriations & Expenditures			1,033,800	1,033,800			

Office of Community Revitalization
INITIATING DEPARTMENT/DIVISION
Administration/Budget Department Approval
OFMB Department - Posted

Signatures

Date

By Board of County Commissioners
At Meeting of 12/07/2011

Patricia King
Alan

11/08/2010
11/18/2010

Deputy Clerk to the
Board of County Commissioners

AJ 11/17/2010 SN 11/17/10



Department of Engineering
and Public Works

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Palm Beach County
Board of County
Commissioners

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County Administrator

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INTER-OFFICE MEMORANDUM PALM BEACH COUNTY

DATE: June 3, 2010 **FILE:** #2007077-02

TO: Motasem Al-Turk, PhD, P.E.,
Assistant Director, Traffic Division

FROM: Mark A. Sinkhorn, P.E., Sr. Prof. Engineer
Design Section, Engineering Services Division *MS*

RE: **WALLIS ROAD PATHWAY, NORTH SIDE FROM LAKE
WORTH DRAINAGE DISTRICT (LWDD) E-3 CANAL TO
HAVERHILL ROAD - FEASIBILITY STUDY AND
DESIGN/CONSTRUCTION COST ESTIMATE UPDATE**

Your office requested that we update previous feasibility studies and cost estimates for constructing a 6' asphalt pathway along the north side of Wallis Road from the LWDD E-3 Canal to Haverhill Road. Attached please find the requested information.

Aside from obtaining additional survey data, reviewing the project in more detail and benefitting from lower construction costs due to the current economic climate, little has changed in our evaluation. Please be aware that opinions regarding possible solutions and costs are based upon conceptual review and represent our "best guess". All information herein could change drastically when subjected to formal design and permitting.

We still believe that the desired pathway cannot be completed without reconstructing much of the existing drainage system. Drainage facilities in the project area consist of open swales and driveway culverts; some of which are sloped against flow and most are heavily silted.

The platted right-of-way of Wallis Road is 40' between the LWDD E-3 Canal and Haverhill Road; but, due to previous dedications, this width varies. For most of the project length, the existing roadway pavement is centered within the original 40' right-of-way. Upgrades to the existing drainage system will require acquisition of approximately 5' of additional right-of way along much



Motasem Al-Turk, PhD, P.E.
Asst. Director, Traffic Division
Wallis Road Pathway Estimate Update
June 3, 2010

of the frontage between the E-3 and Haverhill Road to accommodate these changes.

We have evaluated costs for design and construction based upon a couple of possibilities:

Scenario 1) In addition to the pathway, this would create an open ditch and piped drainage system from the E-3 canal east to Haverhill Road using 18" and 24" concrete pipe and inlets. This is a minimum system which would utilize the existing 24" piped outfall into the E-3 canal. The use of smaller pipes would severely limit system capacity during larger storms. While this method could allow construction of the pathway, it may introduce new drainage issues. Raw construction costs for this work are estimated at roughly \$231,800. Adding right-of-way acquisition costs, staff costs, professional design fees, permit fees, and contingencies yields a Budget figure of approximately \$549,450.

Scenario 2) This scenario would construct the pathway and open ditch/piped drainage system, similar to Scenario 1, from the E-3 canal east to Haverhill Road. However, with this concept, pipes would be sized according to accepted design criteria. We anticipate this may require 36" and 42" pipes and inlets in addition to a shortened run of 18" and 24" concrete pipe and inlets. Scenario 2 would still utilize the existing 24" piped outfall to control discharge into the E-3 canal. The larger system could accommodate larger storms, reduce the likelihood of new drainage issues and could be upgraded later with a new control structure and outfall pipe into the E-3. The basic construction cost for this work is estimated at \$320,500. Again, adding right-of-way acquisition costs, staff costs, professional design fees, permit fees, and contingencies yields a Budget figure of approximately \$692,900.

Currently, the US Environmental Protection Agency (EPA), acting under the Clean Water Act, is considering a number of changes to water quality requirements which may severely affect storm water runoff from future projects. At this time, these rulings are not finalized. Ultimate resolution of these mandates may require significant additional right-of-way costs to purchase property for storm water retention.

We have evaluated potential costs to acquire approximately 1/2 acre for this propose. We estimate the property and associated acquisition costs would add nearly \$340,900 to the above estimates. Adding these acquisition costs to figures for Scenarios 1 and 2 yields approximate budget costs of \$890,350 and \$1,033,800, respectively.



Motasem Al-Turk, PhD, P.E.
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Finally, the project area is within the C-51 Canal basin as designated by the South Florida Water Management District (SFWMD). Historically, SFWMD rules for the C-51 Canal basin have been very stringent for certain projects. Unfortunately, the level of regulation for any given project usually is not known before beginning the permit process. **Should the County be required to provide compensating storage in strict adherence with C-51 rules, additional design, permitting and right-of-way costs may result.**

Due to the project's location within the C-51 Canal basin, it also is anticipated that the time required for design and permitting will be longer than for a more typical pathway project. As such, design and permitting time for this project is estimated to be a minimum of one (1) year, with additional time needed to acquire right-of-way before construction can begin. Should the County be required to provide compensating storage in strict adherence with C-51 rules, the stated design and permitting time certainly will increase.

We hope these data satisfy your needs. If you have questions or require further assistance, please feel free to call me at Ext. 6-4070.

MAS

ec: Charles W. Rich, P.E., Director, Eng. Services Div.
M. Christopher Dudek, P.E., Eng. Services Div.
Andy Hartmann, Eng. Services Div.
Cornelia Wantz, Traffic Div.

pc: Houston L. Tate, Director, OCR
Ruth Moguillansky-DeRose, Prin. Planner, OCR

**PALM BEACH COUNTY ENGINEERING
ENGINEERING SERVICES DIVISION**

6/3/2010

A.Ajje Gowda

PROJECT:

WALLIS ROAD FROM HAVERHILL ROAD TO E-3 CANAL

DESCRIPTION:

Estimated 2615LF, 6' asphalt pathway, north side. Estimate based on field review with photos and aerials.

CONSTRUCTION COST ESTIMATE

(Prices based upon Palm Beach County Bid #2009053)

ITEM #	DESCRIPTION	QTY.	UNITS	UNIT PRICE	COST
1	CLEARING & GRUBBING	0.60	AC	\$125.00	\$75
4	TREE RELOCATION	8	EA	\$75.00	\$600
5	MAIL BOXES (RESET)	25	EA	\$5.00	\$125
8	EXCAVATION	233	CY	\$9.50	\$2,214
9	EMBANKMENT	266	CY	\$9.50	\$2,527
11	4" BASE (INCL. PRIME COAT)	1,677	SY	\$12.00	\$20,124
22	ACSC TYPE S-III (1 1/4") (INCL. TACK COAT)	1,677	SY	\$9.50	\$15,932
23	ASPHALT DRIVEWAY (1 1/2") (INCL. 6" BASE)	27	SY	\$30.00	\$810
25	4" CONCRETE PATHWAY - 50 SY OR GREATER	94	SY	\$41.00	\$3,854
28	CAST-IN-PLACE AND/OR SURFACE APPLIED TACTILE SURFACE	96	SF	\$25.00	\$2,400
40	CONCRETE CURB & GUTTER TYPE "F"	667	LF	\$15.00	\$10,005
50	18" RCP	100	LF	\$55.00	\$5,500
51	24" RCP	1,563	LF	\$60.00	\$93,780
61	RESET GUARDRAIL	63	LF	\$5.00	\$315
63	SODDING (TO MATCH EXISTING) (SEE NOTES)	1,867	SY	\$3.50	\$6,533
65	ADJUST VALVE BOX	4	EA	\$250.00	\$1,000
108	ADJUST EXISTING MANHOLE OR INLET	1	EA	\$2,100.00	\$2,100
109	MODIFY INLET & GRATE	1	EA	\$2,200.00	\$2,200
110	CATCH BASIN TYPE C (FDOT STANDARD)	8	EA	\$5,200.00	\$41,600
119	MANHOLE TYPE P	1	EA	\$6,500.00	\$6,500
125	18" CONCRETE MITERED END SECTION	1	EA	\$2,500.00	\$2,500
143	MISC. CONCRETE (INCL. REINFORCING STEEL)	3	CY	\$600.00	\$1,800
155	RELOCATE FIRE HYDRANT	1	EA	\$6,500.00	\$6,500
168	IMPRINT NEW INSTALLATION	5	SY	\$65.00	\$325
*	PLUG PIPE AT INLET	1	LS	\$1,000.00	\$1,000
**	GROUT 18" PIPE	30	LF	\$50.00	\$1,500

TOTAL ESTIMATED COST	\$231,819
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COMMENT:

DETAILED B.A.S.	\$549,447
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DETAIL COST ESTIMATE FOR: WALLIS ROAD**CONSTRUCTION COSTS (1)**

1A Construction Costs (See Estim)		\$231,819
Testing Labs	3% of 1A	\$6,955
Staff Costs	10% of 1A	\$23,182
Advertising	Say \$1,200	\$1,200
Contingencies	15% of 1A	\$34,773
	TOTAL (1)	\$297,928

DESIGN & ENGINEERING (2)

2A Professional Fees...	25% of 1A	\$57,955
Permits	\$2K to \$5K	\$5,000
Staff Costs	20% of 2A	\$11,591
Advertising	\$2,000	\$2,000
Public Hearings	Varies	\$5,000
Contingencies	15% of 2A	\$8,693
	TOTAL (2)	\$90,239

SITE/RIGHT-OF-WAY ACQUISITION (3)

3A Land/ ROW Costs	By R/W	\$34,800	includes 1.9 factor
Appraisal Fees	85% of 3A	\$29,580	
Surveys	30% of 3A	\$10,440	
Staff Costs	25% of 3A	\$8,700	
Legal Fees	200% of 3A	\$69,600	
Advertising	\$1,200	\$1,200	
Contingencies	20% of 3A	\$6,960	
	TOTAL (3)	\$161,280	
	GRAND TOTAL	\$549,447	

**PALM BEACH COUNTY ENGINEERING
ENGINEERING SERVICES DIVISION**

6/3/2010

A.Ajje Gowda

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WALLIS ROAD FROM HAVERHILL ROAD TO E-3 CANAL

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5	MAIL BOXES (RESET)	25	EA	\$5.00	\$125
8	EXCAVATION	233	CY	\$9.50	\$2,214
9	EMBANKMENT	266	CY	\$9.50	\$2,527
11	4" BASE (INCL. PRIME COAT)	1,677	SY	\$12.00	\$20,124
22	ACSC TYPE S-III (1 1/4") (INCL. TACK COAT)	1,677	SY	\$9.50	\$15,932
23	ASPHALT DRIVEWAY (1 1/2") (INCL. 6" BASE)	27	SY	\$30.00	\$810
25	4" CONCRETE PATHWAY - 50 SY OR GREATER	94	SY	\$41.00	\$3,854
28	CAST-IN-PLACE AND/OR SURFACE APPLIED TACTILE SURFACE	96	SF	\$25.00	\$2,400
40	CONCRETE CURB & GUTTER TYPE "F"	667	LF	\$15.00	\$10,005
50	18" RCP	100	LF	\$55.00	\$5,500
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109	MODIFY INLET & GRATE	1	EA	\$2,200.00	\$2,200
110	CATCH BASIN TYPE C (FDOT STANDARD)	10	EA	\$5,200.00	\$52,000
119	MANHOLE TYPE P	1	EA	\$6,500.00	\$6,500
121	36" RCP	983	LF	\$125.00	\$122,875
122	42" RCP	160	LF	\$150.00	\$24,000
125	18" CONCRETE MITERED END SECTION	1	EA	\$2,500.00	\$2,500
143	MISC. CONCRETE (INCL. REINFORCING STEEL)	3	CY	\$600.00	\$1,800
155	RELOCATE FIRE HYDRANT	1	EA	\$6,500.00	\$6,500
168	IMPRINT NEW INSTALLATION	5	SY	\$65.00	\$325
*	PLUG PIPE AT INLET	1	LS	\$1,000.00	\$1,000
**	GROUT 18" PIPE	30	LF	\$50.00	\$1,500

TOTAL ESTIMATED COST	\$320,514
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COMMENT:

DETAILED B.A.S.	\$692,911
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DETAIL COST ESTIMATE FOR: WALLIS ROAD

CONSTRUCTION COSTS (1)

1A Construction Costs (See Estim)		\$320,514
Testing Labs	3% of 1A	\$9,615
Staff Costs	10% of 1A	\$32,051
Advertising	Say \$1,200	\$1,200
Contingencies	15% of 1A	\$48,077
TOTAL (1)		\$411,458

DESIGN & ENGINEERING (2)

2A Professional Fees...	25% of 1A	\$80,129
Permits	\$2K to \$5K	\$5,000
Staff Costs	20% of 2A	\$16,026
Advertising	\$2,000	\$2,000
Public Hearings	Varies	\$5,000
Contingencies	15% of 2A	\$12,019
TOTAL (2)		\$120,173

SITE/RIGHT-OF-WAY ACQUISITION (3)

3A Land/ ROW Costs	By R/W	\$34,800	includes 1.9 factor
Appraisal Fees	85% of 3A	\$29,580	
Surveys	30% of 3A	\$10,440	
Staff Costs	25% of 3A	\$8,700	
Legal Fees	200% of 3A	\$69,600	
Advertising	\$1,200	\$1,200	
Contingencies	20% of 3A	\$6,960	
TOTAL (3)		\$161,280	
GRAND TOTAL		\$692,911	