

5. Approve Amendment #1 to Work Order #72 – Engineering Services for Minor Roadway and MSBU Design - Richmond Avenue Drainage Improvements, PS-590-01/BJC, with Metric Engineering, Inc., Winter Park (\$5,097.29)

Work Order #72 provides for design, survey, and geotechnical services along Richmond Avenue to improve safety. Amendment #1 will provide for additional design, survey, and geotechnical services to add an inlet and pipe along the southeast side of Richmond Avenue.

The following is a summary of the cost of Work Order #72

Original Work Order	\$46,734.80
Add Amendment #1	<u>\$ 5,097.29</u>
Revised Work Order Sum	\$51,832.09

Funds are available in account number 077541-560680, CIP# 1916.21. Public Works Department/Engineering Division and Fiscal Services Department/Purchasing and Contracts Division recommend that the Board approve the request and authorize the County Manager to execute the amendment.

WORK ORDER AMENDMENT

Board of County Commissioners
SEMINOLE COUNTY, FLORIDA

Amendment Number: 1
Work Order Number: 72

Master Agreement No.: PS-590-01/BJC Dated: August 30, 2001

Contract Title: Engineering – Minor Roadway and MSBU Design
Project Title: Richmond Avenue Drainage Improvements

Consultant: Metric Engineering Inc.
2269 Lee Road, Suite 200
Winter Park, FL 32789

ATTACHMENTS TO THIS AMENDMENT:

- drawings/plans/specifications
- scope of services – Exhibit "A"
- special conditions
- _____

In consideration of the mutual understandings and agreements contained herein, the parties agree Work Order Number 72 dated 04/30/2004, is amended as follows:

The work order shall be amended by five thousand ninety seven dollars and 29/100 (\$5097.29) for a new total fixed fee amount of fifty one thousand eight hundred thirty one dollars and 29/100 (\$51,831.29). For additional services for geotechnical issues, additional survey and design services for adding inlet and pipe in the southeast ditch on Richmond Avenue.

Except as herein modified, all terms and conditions of this Work Order shall remain in full force and effect for the term of this Work Order as originally set forth in said Work Order.

IN WITNESS WHEREOF, the parties hereto have made and executed this Amendment on this _____ day of _____, 20____, for the purposes stated herein. (THIS SECTION TO BE COMPLETED BY THE COUNTY)

METRIC ENGINEERING, INC.

ATTEST:

, Secretary

(CORPORATE SEAL)

By: _____
WILLIAM V. ANDERSON P.E., Vice President

Date: _____

BOARD OF COUNTY COMMISSIONERS
SEMINOLE COUNTY, FLORIDA

WITNESSES:

(County Member, print name)

By: _____
J. Kevin Grace, County Manager

(County Member, print name)

Date: _____
As authorized for execution by the Board of
County Commissioners at their,
20____ regular meeting.

WORK ORDER AMENDMENT

TERMS AND CONDITIONS

- a) Except as herein modified, all terms and conditions of the cited original Work Order (as previously amended, if applicable) shall remain in full force and effect for the term of the Work Order as originally set forth in said Work Order.
- b) In accordance with the Master Agreement, which states that any amendments shall be valid only when expressed in writing and duly signed by the parties, the parties desire to amend the cited Work Order as indicated.
- c) The Scope of Services attached to the cited Work Order is modified as provided in the attached Exhibit "A" which is incorporated by this reference.
- d) The CONSULTANT shall provide said services pursuant to this Amendment, the cited Work Order (as further amended, if applicable), its Attachments, and the cited Master Agreement (as amended, if applicable) which are incorporated herein by reference as if they had been set out in their entirety.
- e) It is expressly understood by the CONSULTANT that this Amendment, until executed by the COUNTY, does not authorize any changes to the cited Work Order and that the COUNTY, prior to its execution of the Amendment, reserves the right to cancel the Amendment without penalty if it is determined that to do so is in the best interest of the COUNTY.
- f) The CONSULTANT shall sign the Amendment first and the COUNTY second. This Amendment becomes effective and binding upon execution by the COUNTY and not until then. A copy of this Amendment will be forwarded to the CONSULTANT upon execution by the COUNTY.



METRIC ENGINEERING, INC.

CONSULTING ENGINEERS

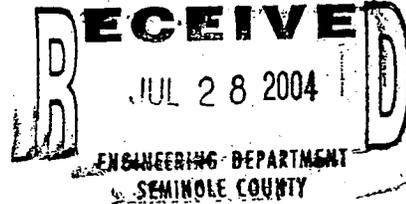
PLANNERS

SURVEYORS

2269 LEE ROAD
WINTER PARK, FLORIDA 32789

PHONE: (407) 644-1898
FAX: (407) 644-1921

EXHIBIT A



Mr. Ken Mickenberg
Senior Coordinator/ Minor Projects
Seminole County Public Works Department
520 West Lake Mary Blvd., Suite 200
Sanford, Florida 32773-7424

7/26/04

Re: Additional Design Service for Richmond Avenue Drainage Improvement Project.
PS-590-01/BJC

We recommend county to improve the existing roadside swale from the south most box culvert to an existing drive way 110 feet way, which has steep slopes and insufficient clear zone. This poses a traffic hazard for on coming vehicles. Per your request here are the description of the proposed improvement and cost estimate associate with the improvement.

Work associated with the additional service will be:

1. Additional topographical survey
2. Additional Geotechnical work
3. Pipe installation design involves:
 - Pipe sizing calculations
 - Plan and profile production work
 - Water Management Permitting
 - Utility coordination

Cost Estimate:

1. Additional Survey:	= \$ 900.00
2. Geotechnical Work:	=\$1373.00
3. Pipe installation design:	
▪ Senior Engineer (\$101.79 x 3-hours)	= \$ 305.37
▪ Project Engineer (\$ 77.52 x 12-hours)	= \$ 930.24
▪ Senior Designer (\$78.94 x 12-hour)	= \$ 947.28
▪ Engineering Technician (\$53.54 x 12-hours)	= \$ 641.40

Total = \$5097.29

If you have any questions or require clarifications on the above mentioned tasks, please don't hesitate to call me.

Very truly yours,

Chandra Raman P.E.