



BOARD OF COUNTY COMMISSIONERS

DATE: November 20, 2012

AGENDA ITEM NO. 12.

Consent Agenda ☐

Regular Agenda ☒

Public Hearing ☐

County Administrator's Signature:

Subject:

Purchase Authorization: Real Time Traffic Control System
Contract No. 112-0564-PB (LN)

Department:

Department of Environment and Infrastructure / Purchasing

Staff Member Responsible:

Will Davis / Joe Lauro

Recommended Action:

I RECOMMEND THE BOARD OF COUNTY COMMISSIONERS (BOARD) APPROVE THE PURCHASE AUTHORIZATION FOR AN INTELLIGENT TRAFFIC SYSTEM (ITS) REAL TIME ADAPTIVE CONTROL SYSTEM FROM RHYTHM ENGINEERING, LLC, (RHYTHM) LENEXA, KANSAS. PRICING, TERMS, AND CONDITIONS PER THE UNIVERSITY OF KENTUCKY, CONTRACT NO. UK-1135-12.

Summary Explanation/Background:

The Department of Environment and Infrastructure (DEI) is requesting consideration for approval of this purchase authorization for the purpose of obtaining additional InSync real time traffic adaptive control software and hardware systems. The objective of adaptive control systems is to minimize delay of the traffic network. This system was first purchased by the County September 27, 2011 as the Board approved the purchase of the first InSync adaptive control system in the state which was installed and tested on State Road 580 in cooperation with the Florida Department of Transportation (FDOT). Although this request for purchase authorization technically meets the criteria of a non-competitive purchase as the County has tested InSync software obtained from the previous purchase and found it to be one hundred percent (100%) compatible with existing County traffic hardware and software, staff thought it prudent to research and obtain information from other entities that have purchased the same system. Research has determined that agencies in seventeen (17) states to date have selected InSync for deployment. Rhythm offers the same pricing to all governmental agencies, with on-site installation training, and configuration of the system included in the pricing. In addition, two (2) year warranty and technical support is included with the purchase of the InSync system through the University of Kentucky contract.

DEI now wishes to purchase additional InSync systems for deployment in other intersections. Adaptive software tends to work best on roads with certain traffic flow characteristics, and this purchase of additional InSync software will meet the demand for the InSync software going forward in other intersections.

Pricing, terms and conditions of this purchase authorization request are per the University of Kentucky contract UK-1135-12 awarded February 23, 2012, with renewal options thru 2017.

Fiscal Impact/Cost/Revenue Summary:

Estimated Total Expenditure is as follow for FY 2013:

000197A – \$480,000 – FY 13

000198A – \$215,000 – FY 13

00199A - \$935,000 - FY13

This purchase authorization will be funded with a combination of Florida Department of Transportation (FDOT) County Incentive Grant Program (CIGP) and Transportation Regional Incentive Program (TRIP) grants and the Local Option Gas Tax (9th Cent Fuel Tax). Additional funding is derived from a Local Agency Program with the Federal Government for the Safe, Accountable, Flexible, Efficient Transportation Equity Act. .

Exhibits/Attachments Attached:

Contract Review

Project Financial Overview

Pinellas County Pricing Proposal



**PURCHASING DEPARTMENT
CONTRACT REVIEW TRANSMITTAL**

CATS
NO.: 40926

PROJECT: REAL TIME TRAFFIC CONTROL SYSTEM

CONTRACT NUMBER: 112-0564-PB (LN)

TYPE: ☒ Purchase Contract ☐ Other: ☐ Construction-Less than \$100,000 ☐ One Time

In accordance with the policy guide for Contract Administration, the attached documents are submitted for review and comment.

Upon completion of review, complete Contract Review Transmittal and forward to next Review Authority listed. Please indicate suggested changes by revising, in RED, the appropriate section of the document reflecting the exact wording of the change.

RISK MANAGEMENT: Please enter required liability coverage:

PRODUCT ONLY ☐

This is a one-time purchase. Estimated Expenditure: \$1,630,000.00

REVIEW SEQUENCE	REVIEW AUTHORITY	REVIEW DATE	REVIEW SIGNATURE	COMMENTS (Attach Separate page if necessary)	COMMENTS INCORPORATED
1.	<u>Purchasing Dept.</u> J. Lauro, Director, C. Mancuso, L. Nowacky	10/8/12	[Signature]		
2.	<u>Requesting Dept.</u> Will Davis, Director K. Jacobs	10/15/12	[Signature]	see modifications to funding PID#, funding sources and PFO information	
3.	<u>Risk Management Director</u> Attn: Virginia Holscher (Check applicable box at right)	11/2/12	[Signature]	per purchasing we must use same insurance ?? And governing law is Kentucky?	<input checked="" type="checkbox"/> HIGH RISK <input type="checkbox"/> NOT HIGH RISK no comments
4.	<u>BCC Finance</u> Attn: Cassandra	10/17/12	[Signature]	Are payment terms the same? See Fin. Proposal & memo from Rhythm.	See Financial Proposal for Pinellas
5.					
6.	<u>Legal</u> Michelle Wallace	10/18/12	[Signature]		
7.	<u>Asst County Admin</u> Mark Woodard	10/29/12	[Signature]	- Provide copy to ETS. - Is the K of K contract the best one to leverage?	yes

RETURN ALL DOCUMENTS TO PURCHASING

Make all inquiries to ~~Steve McNamee~~ Lucy Nowacky/Andrew [Signature] Extension 43788

In order to meet the following schedule, please return your requirements to Purchasing by: August 17, 2011

Revised 08/2010

Bid Mail Out: N/A

Bid Opening: N/A

BCC Approval: November 20, 2012

PINELLAS COUNTY CAPITAL IMPROVEMENT PROJECT (CIP) PROJECT FINANCIAL OVERVIEW

1. Construction Phase: ☒ 2. Date: November 20, 2012
3. Contract Review: ☒

4. Title: SR 685 East Bay Drive ATMS/ITS (PID # 000199; Old PID # 2023)		
5. Anticipated Scope and Description: Design and installation of ATMS/ITS on SR 686 utilizing funds from 9th Cent Fuel Tax and County Incentive Grant Program.		
6. YEAR OF CONSTRUCTION START: FY13		
7. PROJECT BUDGET:	FY 13 Requested Appropriation	Multi-Year Plan
Professional Services (Architectural/Engineering/Consulting)	\$ 100,000	\$ 442,640
Land/Right of Way/Building Acquisitions		
Construction:	1,500,000	2,274,000
Construction: State JPA	85,000	85,000
Testing		
Inter-local	1,000,000	1,600,000
TOTAL PROJECT BUDGET	\$ (1) 2,685,000	\$ (2) 4,401,640
8. FINANCIAL RESOURCES:		
Penny for Pinellas Sales Tax:		
Local Option Gas Tax:		\$ 2,158,320
Transportation Impact Fees:		
Grants(s): County Incentive Grant Program (CIGP)		2,158,320
Grants(s): State Joint Participation Agreement		85,000
Reimbursements:		
Enterprise Revenue (Water, Sewer, Solid Waste, Airport):		
Other:		
TOTAL FINANCIAL RESOURCES		\$ (2) 4,401,640
9. Project's First Full Year Estimated Operating Budget Fiscal Impact: ⁽³⁾		
Fiscal Year:	FY 15	
New Positions:	NONE	
Number:	N.A.	
Type:	N.A.	
Total Est. Fiscal Impact (Personal Services, Operating Expenses)	\$ 0	

(1) Amount represents requested FY 13 appropriation.

(2) Amount represents current Multi - Year Plan's project estimate and anticipated resources.

(3) Does not apply to current phase.

PINELLAS COUNTY CAPITAL IMPROVEMENT PROJECT (CIP) PROJECT FINANCIAL OVERVIEW

1. Construction Phase: ☒ 2. Date: November 20, 2012
3. Contract Review: ☒

4. Title: South Loop Fiber Project (PID # 000196; Old PID # 2160)		
5. Anticipated Scope and Description: Project will complete the County's Fiber Optic trunkline for the Countywide ATMS/ITS System. ATMS Devices will be installed along primary Alt US 19.		
6. YEAR OF CONSTRUCTION START: FY 13		
7. PROJECT BUDGET:	FY 13 Requested Appropriation	Multi-Year Plan
Professional Services (Architectural/Engineering/Consulting)	\$ 401,000	\$ 401,000
Land/Right of Way/Building Acquisitions		
Construction:		2,672,000
Testing		
Inter-local		
TOTAL PROJECT BUDGET	\$ (1) 401,000	\$ (2) 3,073,000
8. FINANCIAL RESOURCES:		
Penny for Pinellas Sales Tax:		
Local Option Gas Tax:		\$ 1,536,500
Transportation Impact Fees:		
Grant(s): County Incentive Grant Program		1,536,500
Reimbursements:		
Enterprise Revenue (Water, Sewer, Solid Waste, Airport):		
Other:		
TOTAL FINANCIAL RESOURCES		\$ (2) 3,073,000
9. Project's First Full Year Estimated Operating Budget Fiscal Impact: ⁽³⁾		
Fiscal Year:	FY 15	
New Positions:	NONE	
Number:	N.A.	
Type:	N.A.	
Total Est. Fiscal Impact (Personal Services, Operating Expenses)	\$ 0	

(1) Amount represents requested FY 13 appropriation.

(2) Amount represents expenditures from prior years, current Multi - Year Plan's project estimate and anticipated resources.

(3) Does not apply to current phase.

PINELLAS COUNTY CAPITAL IMPROVEMENT PROJECT (CIP) PROJECT FINANCIAL OVERVIEW

1. Construction Phase: ☒ 2. Date: November 20, 2012
3. Contract Review: ☒

4. Title: SR 60 ATMS/ITS Project Stage 2 (PID # 000198; Old PID # 1810)		
5. Anticipated Scope and Description: Installation of ATMS/ITS system on SR 60; funding provided through Federal appropriations.		
6. YEAR OF CONSTRUCTION START: FY 13		
7. PROJECT BUDGET:	FY13 Requested Appropriation	Multi-Year Plan
Professional Services (Architectural/Engineering/Consulting)		\$ 330,100
Land/Right of Way/Building Acquisitions		
Construction:		269,700
Testing		
Other: Inter-local Agreement Payments, Misc. Materials, etc.	\$ 215,000	1,292,450
TOTAL	\$ (1) 215,000	\$ (2) 1,892,250
8. FINANCIAL RESOURCES:		
Penny for Pinellas Sales Tax:		
Local Option Gas Tax:		\$ 192,250
Transportation Impact Fees:		
Grant(s): Federal		1,700,000
Reimbursements:		
Enterprise Revenue (Water, Sewer, Solid Waste, Airport):		
Other:		
TOTAL FINANCIAL RESOURCES		\$ (2) 1,892,250
9. Project's First Full Year Estimated Operating Budget Fiscal Impact: ⁽³⁾		
Fiscal Year:	FY 14	
New Positions:	NONE	
Number:	N.A.	
Type:	N.A.	
Total Est. Fiscal Impact (Personal Services, Operating Expenses)		\$ 0

(1) Amount represents requested FY13 appropriation.

(2) Amount represents prior year expenditures, current Multi - Year Plan's project estimate and anticipated resources.

(3) Does not apply.

PINELLAS COUNTY CAPITAL IMPROVEMENT PROJECT (CIP)

PROJECT FINANCIAL OVERVIEW

1. Construction Phase: ☒ 2. Date: November 20, 2012
 3. Contract Review: ☒

4. Title: ATMS/ITS Countywide System Program (PID # 000106; Old PID # 1501)		
5. Anticipated Scope and Description: Project to design and construct the Countywide Advanced Traffic Management System (ATMS) / Intelligent Transportation System (ITS) utilizing the 9th Cent Fuel Tax.		
6. YEAR OF CONSTRUCTION START: FY 11		
7. PROJECT BUDGET:	FY 13 Requested Appropriation	Multi-Year Plan
Professional Services (Architectural/Engineering/Consulting)	\$ 265,000	\$ 1,998,250
Land/Right of Way/Building Acquisitions		
Construction:		996,560
Testing		
Other: Inter-local Agreement Payments, Misc. Materials, etc.		280,950
TOTAL	\$ (1) 265,000	\$ (2) 3,275,760
8. FINANCIAL RESOURCES:		
Penny for Pinellas Sales Tax:		
Transportation Impact Fees:		
Grant(s): Federal		
Grant(s): State County Incentive Grant Program		
Reimbursements:		
Enterprise Revenue (Water, Sewer, Solid Waste, Airport):		
Other: 9th Cent Motor Fuel Tax		\$ 3,275,760
TOTAL FINANCIAL RESOURCES		\$ (2) 3,275,760
9. Project's First Full Year Estimated Operating Budget Fiscal Impact: ⁽³⁾		
Fiscal Year:	FY xx	
New Positions:	NONE	
Number:	N.A.	
Type:	N.A.	
Total Est. Fiscal Impact (Personal Services, Operating Expenses)	\$ 0	

(1) Amount represents requested FY 13 appropriation.

(2) Amount represents expenditures from prior years, current Multi - Year Plan's project estimate and anticipated resources. (FY10 through FY20)

(3) Does not apply.

PINELLAS COUNTY CAPITAL IMPROVEMENT PROJECT (CIP) PROJECT FINANCIAL OVERVIEW

1. Construction Phase: ☒ 2. Date: November 20, 2012
3. Contract Review: ☒

4. Title: SR 580/584 ATMS (PID # 000197) (Old PID #1809; Sub PID 2092)		
5. Anticipated Scope and Description: Design and construct a new ATMS/ITS system on SR 580 / SR 584 and SR 586 utilizing funds from 9th Cent Fuel Tax and the State's Transportation Regional Incentive Program.		
6. YEAR OF CONSTRUCTION START: FY 13		
	FY 13 Requested Appropriation	Multi-Year Plan
7. PROJECT BUDGET:		
Professional Services (Architectural/Engineering/Consulting)	\$ 113,000	\$ 880,360
Land/Right of Way/Building Acquisitions		
Construction:	600,000	1,939,670
Testing		
Other: Inter-local Agreement Payments, Misc. Materials, etc.	401,000	2,886,600
TOTAL	\$ (1) 1,114,000	\$ (2) 5,706,630
8. FINANCIAL RESOURCES:		
Penny for Pinellas Sales Tax:		
Local Option Gas Tax:		
Transportation Impact Fees:		
Grant(s): State; Transportation Regional Incentive Program		\$ 2,625,000
Reimbursements:		
Enterprise Revenue (Water, Sewer, Solid Waste, Airport):		
Other: 9th Cent Motor Fuel Tax		3,081,630
TOTAL FINANCIAL RESOURCES		\$ (2) 5,706,630
9. Project's First Full Year Estimated Operating Budget Fiscal Impact: ⁽³⁾		
Fiscal Year:	FY 14	
New Positions:	NONE	
Number:	N.A.	
Type:	N.A.	
Total Est. Fiscal Impact (Personal Services, Operating Expenses)	\$ 0	

(1) Amount represents requested FY 13 appropriation.

(2) Amount represents prior year expenditures, current Multi - Year Plan's project estimate and anticipated resources.

(3) Does not apply.



12351 W. 96th Terrace, Suite 107
 Lenexa, KS 66215
 Phone (913) 227-0603 Fax (913) 227-0674

Quote #: 900091212
 Date: September 12, 2012

Client: Pinellas County, FL
 400 South Harrison, sixth floor
 Clearwater, FL 33756
 ATTN: Lucy Nowacki - Procurement Analyst

Expiration Date: December 31, 2012

Phone: 727-464-3766

Prepared by:
 Mark W Sullivant - Reg Mgr.
 248-431-4588
Mark@rhythmtraffic.com

Project: Intelligent Traffic System - InSync - Real Time Adaptive Control System - Pinellas County, FL

Terms:

Governing Law is Florida's *11-2-12 OK*
 Client is responsible for providing power (IMSA 20-1 Traffic Control Cable 14-3 stranded copper).
 Category 5E+ (Comscope 2003 shielded/outdoor rated) cable to each camera, and detector card rack.
 Client is responsible for the camera installation, camera mounting hardware, and cabinet installation.
 Camera mounting hardware pricing is for cost estimate purposes only.
 Client shall specify a delivery date a minimum of 45 days in advance.
 Client is responsible for providing remote internet access to corridor for Rhythm Engineering prior to installation.
 Payment terms: NET *45* days from shipping date. *11-2-12 OK*
 Interest of 18% will be charged on all unpaid balances after *45* days.
 Quote does not include additional fees in the event Rhythm would serve as a primary contractor.
 Any required bonding or licensing fees are not included in quote.

Description	Units	Cost	AMOUNT
*InSync hardware to manage up to four approaches per intersection.	1	\$ 25,000.00	\$ 25,000.00
InSync:Fusion Option (multiple detection).	1	\$ 5,000.00	\$ 5,000.00
Recommended Pedestrian Module (any ped actuation buttons).	1	\$ 5,000.00	\$ 5,000.00
Recommended 7" LCD monitor, integrated USB mouse/keyboard.	1	\$ 700.00	\$ 700.00
Project Management & Operator Training* - 1-4 intersections	LS	\$ 3,500.00	\$ 3,500.00
Project Management & Operator Training* - 5-10 intersections	LS	\$ 5,000.00	\$ 5,000.00
Project Management & Operator Training - 11-15 intersections	LS	\$ 7,500.00	\$ 7,500.00
Project Management & Operator Training - 16-20 intersections	LS	\$ 10,000.00	\$ 10,000.00
Installation training (on-site).	LS	\$ Included	\$ Included
Configuration of our InSync system.	LS	\$ Included	\$ Included
Shipping estimate per intersection (from Lenexa, KS).	1	\$ 150.00	\$ 150.00
Spare system (recommended 1 per 10 Intersections).	1	\$ 12,500.00	\$ 12,500.00
Additional InSync processors	1	\$ 4,500.00	\$ 4,500.00
Additional InSync cameras	1	\$ 1,750.00	\$ 1,750.00
All taxes are the responsibility of client. (If tax exempt, certificate must be on file prior to invoicing).			
TOTAL			\$ 0.00

* InSync Tesla system is the same list price as the video option (includes 1 360 degree camera in place of the 4 cameras)

If you have any questions, please contact Mark Sullivant at (248) 431-4588

THANK YOU FOR YOUR BUSINESS!