

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
AGENDA ITEM SUMMARY**

Meeting Date: January 26, 2016 ☒ Consent ☐ Regular
☐ Workshop ☐ Public Hearing

Department: Facilities Development & Operations

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Supplement No. 3 to Consultant Services Authorization (CSA) No. 1 to the contract with Omnicom Consulting Group, Inc. (OCG) (R2015-0526) in the amount of \$456,980 for the Public Safety Radio System project.

Summary: Supplement No. 3 provides for radio communications consulting services required to support the implementation of the proposed APCO P25 Trunked Simulcast County Wide Public Safety Radio System. Supplement No. 3 includes 15 tasks that will be performed as the new P25 Public Radio System is being installed by Motorola Solutions Inc. These 15 tasks are the equivalent of construction administration services and include 1) Attendance at the Implementation Kick-off Meeting, and participate in the Customer Design Review, 2) Consoles Testing, Installations, and Cutover, 3) Interim ISSI Connection Field Acceptance testing, 4) Review and Approve Factory Acceptance Plans and Attend P25 System Staging, 5) Inventory Received Equipment, 6) Regulatory Compliance Reviews, 7) Inspections, Field Acceptance Testing and Commissioning of Site S-25 UPS and Generator, Site-15 UPS, Site-33 UPS and DC Power Systems, 8) Microwave System Inspection, Field Acceptance Testing and Cutover, 9) Site S-33 Installation Inspection, Acceptance Testing and Commissioning, 10) P25 System Inspection and Field Acceptance testing, 11) P25 Coverage Verification, 12) P25 30-Day Performance period, 13) P25 System Cutover, 14) Permanent ISSI Connection Field Acceptance Testing, and 15) Project management. The project will be funded from 800 Mhz Renewal/Replacement Fund. OCG was selected for this project under Board adopted procedures pursuant to the Consultant Competitive Negotiations Act (CCNA). OCG is a Leon County (Tallahassee) firm and will be using all Palm Beach County sub-consultants. OCG has a Small Business Enterprise (SBE) participation goal of 15%. The participation on this CSA is 11.3%. When added to the consultant's participation to date, the SBE participation is 12.9%.

(Capital Improvements Division) Countywide (ME)

Background and Justification: Supplement No. 3 includes construction administration services that will be implemented as the new P25 Public Radio System is being developed and installed by Motorola Solutions Inc.

Attachments:

1. Budget Availability Statement
2. Supplement No. 3 to CSA No. 1

Recommended by: Joe William Wolf 1/13/16
 Department Director Date

Approved by: W. Baker 1/20/16
County Administrator Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2016	2017	2018	2019	2010
Capital Expenditures	\$456,980	0	0	0	0
Operating Costs	0	0	0	0	0
External Revenues	0	0	0	0	0
Program Income (County)	0	0	0	0	0
In-Kind Match (County)	0	0	0	0	0
NET FISCAL IMPACT	\$456,980				
# ADDITIONAL FTE					
POSITIONS (Cumulative)					

Is Item Included in Current Budget? Yes X No

Budget Account No: Fund 3801 Dept 411 Unit B595 Object 4907
Reporting Category

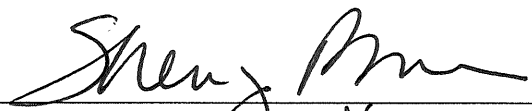
B. Recommended Sources of Funds/Summary of Fiscal Impact:


This item is funded through the 800 Mhz Renewal/Replacement fund.

C. Departmental Fiscal Review:


III. REVIEW COMMENTS:

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


OFMB 1/18/16

 1-14-16
for Contract Administrator

B. Legal Sufficiency:


Assistant County Attorney 1/19/16

C. Other Department Review:

Department Director

This summary is not to be used as a basis for payment.

FACILITIES DEVELOPMENT & OPERATIONS
BUDGET AVAILABILITY STATEMENT

REQUEST DATE: 12/1/15

REQUESTED BY: Rich Avery

PHONE: 233-0208
FAX: 233-0270

PROJECT TITLE: Public Safety Radio System - P25 Upgrade

PROJECT NO.: 14212

ORIGINAL CONTRACT AMOUNT:

BCC RESOLUTION#:R2014-1462
DATE: 1/7/14

REQUESTED AMOUNT: \$456,980

CSA or CHANGE ORDER NUMBER: Supp 3 to CSA 1

CONSULTANT/CONTRACTOR: Omni Consulting Group, Inc.

PROVIDE A BRIEF STATEMENT OF THE SCOPE OF SERVICES TO BE PROVIDED BY THE CONSULTANT/CONTRACTOR:

Professional Services shall include radio communications consulting services required to support the implementation of the proposed P25 Radio System.

CONSTRUCTION	
PROFESSIONAL SERVICES	\$456,980
STAFF COSTS** (Design/Construction Phase)	
MISC. (permits, prints, advertising)	
TOTAL	\$456,980

*** This is an estimate of staff charges. Actual(s) will be billed at the end of each fiscal year. If this BAS is for construction costs of \$250,000 or greater, staff charges will be billed as actual and reconciled at the end of the project.*

BUDGET ACCOUNT NUMBER (IF KNOWN)

FUND: 3801 DEPT: 411 UNIT: B595 OBJ: 4907

FUNDING SOURCE (CHECK ALL THAT APPLY):

☐ AD VALOREM

☒ OTHER R+R Fund

☐ FEDERAL/DAVIS BACON

SUBJECT TO IG FEE? ☐ YES ☐ NO

BAS APPROVED BY: [Signature] DATE: 12-11-15

ENCUMBRANCE NUMBER: 050915-512

CONSULTANT SERVICES AUTHORIZATION

OMNICOM CONSULTING GROUP, INC.

Public Safety Radio System Consultant

PUBLIC SAFETY RADIO SYSTEM – P25 UPGRADE PROJECT NO. 14212

This consultant service authorization is for radio communications consulting services for the implementation of the County's Public Safety Radio System – P25 project.

Professional services shall include tasks necessary for the successful implementation of the P25 Radio System Migration Including items such as an evaluation of Motorola Solutions Inc. - Customer design review documents, witnessing console testing, performing installation inspection and cutover services. Completing a review and approval for the Factory acceptance test plan and attending system staging. Performing an equipment inventory as it is delivered and installed. They will also be providing Regulatory Compliance reviews of MSI documentation to meet regulatory requirements. As well as performing other tasks such as UPS, Generator and DC Power Systems inspections, field acceptance testing and commissioning; Performing microwave system inspections, acceptance testing and cutover services. As the system installation reaches completion they will be conducting inspection and field acceptance testing, providing participation for P25 Coverage verification. The consultant will also provide Construction administration services such as the review of contractor reports, shop drawings, contractor's project schedule, payment applications, as well as attending project meetings either in person or via teleconference.

SBE participation for this Authorization is 11.3%. When added to the Consultant's participation to date, the resulting SBE participation is 12.9%. The Consultant's contract goal is 15%.

CONSULTANT SERVICES AUTHORIZATION

OMNICOM CONSULTING GROUP, INC.

Public Safety Radio System Consultant

PUBLIC SAFETY RADIO SYSTEM – P25 UPGRADE

PROJECT NO. 14212

DISTRICT NO. COUNTYWIDE

THIS SUPPLEMENT NO. 3 to AUTHORIZATION NO. 1 to the Agreement dated 10/7/14 (R-2014-1462) between Palm Beach County and the Consultant identified herein is for the Consultant Services described in Item 4 of this Authorization.

1. **Consultant:** OMNICOM CONSULTING GROUP, INC.

2. History:	Item	Amount	Approved By	Approval Date
	CSA #1	\$304,105	BCC	10/7/14
	Supp 1	\$29,844.86	AW	1/13/15
	Supp 2	\$32,599.86	AW	1/13/15

3. **Services completed to date:** CSA No. 1 authorized RCC Consultants to perform an assessment of the County's current system for migration to a full digital system. This effort is 100% complete. Supp. 1 to CSA No. 1 authorized an assessment of the City of Boynton Beach's current system for migration to a full digital system. Supp. 2 to CSA No. 1 authorized an assessment of the City of Delray Beach's current system for migration to a full digital system.

4. **Description of Services to be provided by Consultant:** Professional services shall include radio communications consulting services for the implementation of the County's Public Safety Radio System – P25 project, as detailed in the attached proposal dated November 30, 2015.

5. **Compensation:** The compensation to be paid to the Consultant for the requested services shall be:

Lump Sum charge of **\$456,980**

6. **This Authorization may be terminated by the County without cause or prior notice. In the event of termination not the fault of the Consultant, the Consultant shall be compensated for all services performed to termination date, together with reimbursable expenses (if applicable) then due.**

Consultant agrees to waive any and all claims for lost profits or anticipated future profits in the event of a termination with or without the cause under this agreement.

7. All terms, conditions, and obligations of the original Contract shall remain in full force and effect, unless specifically noted as follows: No changes.

8. **Time of Commencement:** Consultant shall begin work promptly on the requested services upon receipt of this executed document which shall constitute official **“Notice to Proceed”**.

IN WITNESS WHEREOF, this Authorization is accepted, subject to the terms and conditions of the aforementioned Contract.

ATTEST:

SHARON R. BOCK, CLERK &
COMPTROLLER

PALM BEACH COUNTY BOARD,
FLORIDA
Political Subdivision of the State of Florida
BOARD OF COUNTY COMMISSIONERS

By: _____
Deputy Clerk

By: _____
Mary Lou Berger, Mayor

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY

APPROVED AS TO TERMS
AND CONDITIONS

By: _____
County Attorney

By: _____
Director - FD&O

WITNESS:

Signature

Name (type or print)

CONSULTANT:
OMNICOM CONSULTING GROUP,
INC.

Signature

Name (type or print)

Title

(Corporate Seal)



November 30, 2015

Richard Avery
Palm Beach County
Facilities Development and Operations Department
Capital Improvements Division
2633 Vista Parkway
West Palm Beach, Florida 33411

RE: Proposal for Project 14212 – Public Safety Radio System - Implementation Support for the P25 Upgrade Project

Dear Mr. Avery:

Based upon your request, Omnicom Consulting Group, Inc. (OCG) submits this proposal to Palm Beach County to provide radio communications consulting services required to support the implementation of the proposed P25 Radio System. The services proposed herein reflect our understanding of the requirements for consulting services related to the implementation phase of this P25 Upgrade Project.

OCG's proposed work plan is as follows:

Work Plan

Task 1: Attend Kick-off Meeting & Participate in Customer Design Review

The kickoff meeting will formally initiate the implementation of the new radio system. OCG will participate in the project kickoff meeting with the County's project team and Motorola's representatives.

A Customer Design Review (CDR) will be conducted by Motorola to thoroughly discuss their proposed system and configuration prior to the ordering and manufacturing of equipment and software. OCG will review all vendor equipment submittals and any request for substitute in this phase of the implementation.

The CDR document identifies all required equipment, equipment locations, software, system diagrams and any customization as required by the County. OCG will review Motorola's initial draft of the CDR documents, microwave design, RF site plans, trunked and mutual aid systems design, and dispatch center designs, and will participate in project meetings and discussions to finalize the document.

OCG will also assist in resolving other technical issues as well including the radio system coverage design and other design problems as they may arise.

Task 2: Consoles Testing, Installation Inspections, and Cutover

The existing Gold Elite dispatch consoles will be replaced with the new MCC7500 dispatch consoles prior to the implementation of the remaining P25 fixed network equipment, and as such will not be part of the factory staging. All the consoles will shipped to Motorola's Plantation facility, and subsequently

transported in batches to the County's S-5 Site for programming and testing using a similar Gold Elite dispatch console screen configuration template corresponding to each agency's Dispatch Center.

OCG will verify that all consoles are properly programmed and tested as defined in the CDR document and the manufacturers' specifications. OCG will develop a punch list of deficiencies that must be corrected prior to installing the consoles at each corresponding agency's Dispatch Center. It will be Motorola's responsibility to perform the tests and provide all necessary test equipment. Any deficiency or failed test will be recorded for correction by Motorola.

The MCC7500 dispatch consoles will be replacing a console operating on a live system and as such will require proper planning in order to minimize any downtime. There are ten (10) different Dispatch Centers with wireline consoles. OCG will work with the County staff and Motorola to refine and finalize the cutover plan for each Dispatch Center. OCG will be present during the console cutover to oversee the process and provide guidance and assistance as required.

Upon successful completion of the cutover, the 30-day performance period will take place. OCG will monitor the system alarms and case reports from Motorola to determine if a failure of the performance testing has occurred. OCG will participate in meetings and discussions during the performance period to review the alarms and case reports. Should OCG determine that the consoles have failed the performance period, OCG will immediately notify the County and participate in a meeting with Motorola to discuss a stop of the performance period.

Task 3: Interim ISSI Connection Field Acceptance Testing

The County has made arrangements for an ISSI connection to the existing SmartZone 7.13 system be made concurrently with the City of West Palm Beach's P25 system becoming operational. Upon notice from Motorola that the ISSI server installation at Site S-5 and interfacing to the City's system has been completed, OCG will participate in and document the field acceptance testing in accordance with the contract documents. It will be Motorola's responsibility to perform the tests and provide all necessary test equipment.

Task 4: Review and Approve Factory Acceptance Test Plans and Attend P25 System Staging.

Both the microwave and the P25 radio system will be staged together in Motorola's facility in Schaumburg. OCG will attend the microwave and the P25 radio system staging in Schaumburg. In advance of the system staging, OCG will review and approve the factory acceptance test plans to ensure that the test plans are complete and that all systems are factory tested in accordance with the agreed in the contract.

At the conclusion of the staging, OCG will develop a punch list of items to be completed prior to shipment of the equipment to the field. Finally, OCG will monitor the vendor's reported progress on the punch list items to ensure they are completed; however, OCG's proposal includes attending the P25 System Factory Staging once and does not include additional trips to perform any on-site inspection to physically verify completion of punch list items.

Task 5: Inventory Received Equipment

Based on the Motorola-provided equipment list OCG will inventory the received equipment to verify its completeness. At the County's request, the inventory will be performed on a per rack per site basis.

Punch list items from factory system acceptance that can be visually inspected will be verified during the inventory process.

Task 6: Regulatory Compliance Reviews

OCG will review Motorola's prepared documentation for Federal Aviation Administration (FAA), Federal Communications Commission (FCC), local zoning and planning filings as required. OCG will also assist the County in ensuring that Motorola meets all regulatory requirements.

Task 7: Inspection, Field Acceptance Testing and Commissioning of Site S-25 UPS and Generator, Site S-15 UPS, Site S-33 UPS and DC Power Systems.

OCG will perform inspections of the Site S-25 UPS and generator, Site S-15 UPS, Site S-33 UPS, and DC power systems at each microwave site at a minimum of two weeks prior to the scheduled field acceptance testing of such systems. OCG will verify that all required equipment is properly installed as defined in the CDR document and the manufacturers' specifications. OCG will develop a punch list of deficiencies that must be corrected prior to field acceptance testing and prior to final acceptance.

Upon notice from Motorola that all punch list items required to be completed prior to field acceptance testing have been completed, OCG will re-inspect the installations, and if the required punch list deficiencies have been completed, OCG will schedule the field acceptance testing with the County and Motorola.

OCG will participate in and document the field acceptance testing and commissioning of the new emergency power generator system at Site S-25, the new UPS system at Sites S-15, S-25 and S-33, and the new/upgraded DC power systems installed at each microwave site. It will be Motorola's responsibility to perform the tests and provide all necessary test equipment. The testing of the emergency power generator system will include system testing under full load and the proper operation of the transfer switch. The UPS system and the DC power system testing will include testing under load and recharge time.

Upon successful completion of the field acceptance testing and commissioning, the 30-day performance period will take place. OCG will monitor the system alarms and case reports from Motorola to determine if a failure of the performance testing has occurred. OCG will participate in meetings and discussions during the performance period to review the alarms and case reports. Should OCG determine that the facilities has failed the performance period, OCG will immediately notify the County and participate in a meeting with Motorola to discuss a stop of the performance period.

OCG's proposal includes performing an initial inspection, a re-inspection and one field acceptance testing/commissioning. In the event that after the initial inspection there are no punch list items that are required to be resolved prior to scheduling the field acceptance testing, OCG will credit back to the County the agreed upon cost associated with the re-inspection equal to \$4,110.00.

Task 8: Microwave System Inspection, Field Acceptance Testing and Cutover

OCG will perform an inspection of the fully installed microwave system at least two weeks prior to commencement of field acceptance testing. OCG will verify that all required equipment is properly installed. OCG will develop a punch list of deficiencies that must be corrected prior to field acceptance testing and prior to final acceptance.

Upon notice from Motorola, OCG will re-inspect the microwave system and if the required punch list deficiencies have been completed, OCG will schedule the acceptance testing and cutover with the County and Motorola. The new IRU600 microwave radios will be replacing existing Constellation microwave radios operating on a live system and as such will require proper planning in order to minimize any downtime. Motorola's project approach considers replacing the existing microwave system on a link-by-

link basis and as such, each link will be tested and then cutover individually. OCG will participate in and document the field acceptance testing of microwave network. The acceptance testing process focuses on equipment specification testing and performance, and to verify that the system is performing as defined in the path data sheets, CDR document, and the manufacturers' specifications. Upon completion of the field acceptance testing, the link will be cutover and the proper routing of traffic across the link will be verified.

The microwave acceptance testing process may yield additional punch list items that must be corrected prior to cutover and prior to final acceptance by the County. OCG personnel will maintain and monitor the punch list for the County. OCG personnel will perform the necessary inspections to verify that all items required for final system acceptance are complete and in accordance with the contract prior to recommending final acceptance.

Upon successful completion of the each link's cutover, the 30-day performance period will take place. OCG will monitor the system alarms and case reports from Motorola to determine if a failure of the performance testing has occurred. OCG will participate in meetings and discussions during the performance period to review the alarms and case reports. Should OCG determine that the microwave link has failed the performance period, OCG will immediately notify the County and participate in a meeting with Motorola to discuss a stop of the performance period.

OCG's proposal includes performing an initial inspection, a re-inspection and one link-by-link field acceptance testing/cutover. Any additional trips or testing required, in excess of the contracted amount, due to a failed re-inspection or failed field acceptance testing/cutover by Motorola will be billed on a time and material basis. In the event that after the initial inspection there are no punch list items that are required to be resolved prior to scheduling the field acceptance testing, OCG will credit back to the County the agreed upon cost associated with the re-inspection equal to \$4,110.00.

Task 9: Site S-33 (Aviation and Downtown Site) Installation Inspection, Acceptance Testing and Commissioning

OCG will perform inspections of Site S-33 (Aviation and Downtown Site) at a minimum of two weeks prior to the scheduled field acceptance testing. OCG will verify that all required equipment is properly installed as defined in the CDR document and the manufacturers' specifications. OCG will develop a punch list of deficiencies that must be corrected prior to field acceptance and prior to final acceptance.

Upon notice from Motorola that all punch list items required to be completed prior to field acceptance testing have been completed, OCG will re-inspect the installations, and if the required punch list deficiencies have been completed, OCG will schedule the field inspection testing with the County and Motorola.

OCG will participate in and document the field acceptance testing of Site S-33 in accordance with the contract documents. It will be Motorola's responsibility to perform the tests and provide all necessary test equipment. The field acceptance testing process may yield additional punch list items that must be corrected prior to cutover and prior to final acceptance by the County. OCG personnel will maintain and monitor the punch list for the County. OCG personnel will perform the necessary inspections to verify that all items required for final system acceptance are complete and in accordance with the contract prior to recommending final acceptance.

Upon completion of the field acceptance testing, Site S-33 will be commissioned and a 30-day performance period will take place. OCG will monitor the system alarms and case reports from Motorola to determine if a failure of the performance testing has occurred. During the 30-day performance period, the County will be responsible for exercising the Site S-33.

OCG's proposal includes performing an initial inspection, a re-inspection and one field acceptance testing. In the event that after the initial inspection there are no punch list items that are required to be resolved prior to scheduling the field acceptance testing, OCG will credit back to the County the agreed upon cost associated with the re-inspection equal to (\$1,370.00)

Task 10: P25 System Inspection and Field Acceptance Testing

Throughout the duration of the project, OCG will perform progress inspections of the vendor's installations at the P25 sites. In addition, at a minimum of two weeks prior to the scheduled field acceptance testing, OCG will perform inspections of the P25 system. OCG will verify that all required equipment is properly installed as defined in the CDR document and the manufacturers' specifications. OCG will develop a punch list of deficiencies that must be corrected prior to field acceptance and prior to final acceptance.

Upon notice from Motorola that all punch list items required to be completed prior to field acceptance testing have been completed, OCG will re-inspect the installations, and if the required punch list deficiencies have been completed, OCG will schedule the field inspection testing with the County and Motorola.

OCG will participate in and document the field acceptance testing in accordance with the contract documents. It will be Motorola's responsibility to perform the tests and provide all necessary test equipment. The field acceptance testing process may yield additional punch list items that must be corrected prior to cutover and prior to final acceptance by the County. OCG personnel will maintain and monitor the punch list for the County. OCG will perform the necessary inspections to verify that all items required for final system acceptance are complete and in accordance with the contract prior to recommending final acceptance.

OCG's proposal includes performing an initial inspection, a re-inspection and one field acceptance testing. In the event that after the initial inspection there are no punch list items that are required to be resolved prior to scheduling the field acceptance testing, OCG will credit back to the County the agreed upon cost associated with the re-inspection equal to (\$5,480.00)

Task 11: P25 Coverage Verification

OCG will manage and participate in the radio coverage verification testing of the P25 radio system to ensure that the level of radio coverage specified in the County's procurement document has been delivered. For the coverage verification testing, OCG's proposal is for 18 man-weeks (40 hours per week) based upon three (3) test teams (2 field teams and 1 dispatch team) and Motorola's schedule of six (6) weeks. The quantity of test teams and length of time can vary insofar as 18 man-weeks are not exceeded. As it is difficult to estimate the exact length of time required to perform coverage testing throughout the County, OCG will credit back to the County for any full man-weeks of testing that were not performed.

OCG will participate in a coverage acceptance testing meeting with the County and Motorola to review the logistics necessary to ensure a successful testing process. During the meeting the roles and responsibilities of the County, Motorola and OCG will be reviewed, discussed and agreed upon.

Motorola will be responsible for providing the necessary test equipment. OCG will inspect the installation and calibration of the test equipment at the beginning and conclusion of each test day. OCG will collect the official written and electronic test records at the end of each day.

At the conclusion of the testing, OCG will review the test results and make a determination if the P25 system passed the coverage verification test. OCG will develop and provide a coverage acceptance testing report to the County. In the event that the P25 system fails the coverage verification test, OCG will review the test results with the County and Motorola and participate in meetings and discussions regarding correcting the system or testing deficiencies.

OCG's proposal includes performing one coverage verification test.

Task 12: P25 System 30-Day Performance Period

Upon successful completion of the coverage performance test, the 30-day performance period take place. OCG will monitor the system alarms and case reports from Motorola to determine if a failure of the performance testing has occurred. During the 30-day performance period, the County will be responsible for exercising the P25 System. OCG will participate in meetings and discussions during the performance period to review the alarms and case reports. Should OCG determine that the P25 system has failed the performance period, OCG will immediately notify the County and participate in a meeting with Motorola to discuss a stop of the performance period.

Task 13: P25 System Cutover

OCG will work with the County and Motorola to refine and finalize the cutover plan. The primary objective of the cutover plan is to assure a smooth transition to the new P25 system, minimizing service interruptions during the transition to the new system. OCG will be present during the system cutover to provide guidance and assistance as required. Should the County elect to migrate users over an extended period, OCG will be present for only the first week of system cutover. OCG will monitor the progress of the remaining cutover and remotely provide guidance and assistance as required.

OCG's proposal includes performing one P25 system cutover.

Task 14: Permanent ISSI Connection Field Acceptance Testing

After cutting over the County's users to the new P25 system, Motorola will reprogram and interface the ISSI server to the County's new ASTRO 25 7.16 system. Upon notice from Motorola that the ISSI server installation and interfacing to the City's system has been completed, OCG will participate in and document the field acceptance testing in accordance with the contract documents. It will be Motorola's responsibility to perform the tests and provide all necessary test equipment.

Task 15: Project Management

OCG will meet the Construction Administration and Post-Construction phases requirements as set forth in the County's Policy and Procedures Manual for Design Professionals.

OCG will monitor Motorola's work performance on a daily basis and will review monthly project status reports reflecting the progress and any issues that have arisen during the previous month.

OCG will participate in biweekly teleconference meetings with Motorola and the County throughout the entire duration of the project.

OCG will review and respond to items such as, but not limited to, shop drawings/submittals, requests for information (RFI), review requests for changes to contract time and/or costs and payment requisitions, monitor the project schedule, and attend pre-installation meetings for critical components, as necessary. OCG will monitor Motorola's master project schedule that incorporates Motorola, County and OCG

tasks. OCG will also monitor a master action item list, risk register, and risk mitigation plan. The current project schedule, action item list, risk register, and risk mitigation plan will be reviewed as part of the monthly project status reports.

Recommendations for problem resolution will be provided on a case-by-case basis. OCG will work with the County' team and Motorola to monitor, track, and resolve integration issues that may arise during system implementation.

OCG will perform inspections of all radio site construction, civil work and equipment installations for compliance with good engineering practice. In addition to verifying compliance with the contract's terms and conditions, inspections will include compliance industry installation, grounding, and lightning protection standards and guidelines. OCG will develop a punch list of deficiencies for the vendor to correct. Unsafe conditions or items otherwise not in compliance with the terms and conditions of the contract will be reported immediately to the County and to the vendor. Within five (5) days of the completion of each inspection, OCG will issue a status report of OCG's observations.

It is anticipated that OCG personnel will attend on-site meetings and perform site inspections twice a month for the duration of the project. During the implementation period, it is anticipated that OCG personnel will provide, on average, three (3) man-days per month on-site time.

As part of the Project Close-out, OCG will review all as-built documentation provided by the vendor to ensure a complete record is available to enable the County to self-maintain the system. OCG will work with the County to ensure that all contractual closeout documentation is completed, final payments are made, insurance and bonds are released, warranties are transferred, liens are released, and issuance of the Certificate of Final Completion.

PROJECT SCHEDULE

This proposal is based on a total project duration of 20 months based upon a P25 Radio System Final System Acceptance date of no later than 06/01/2017. OCG will begin work on the P25 radio system project upon contract execution.

PAYMENT SCHEDULE

OCG will invoice the County monthly based upon percent complete.

RATE SCHEDULE

OCG's standard rates are shown in the table below.

Billing Category	Rate/Hour
President	\$160.00
Vice President	\$160.00
Senior Consultant	\$160.00

FEES

Except where noted, all labor and expenses for the Work Plan above are proposed as firm fixed price.

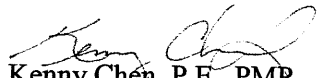
Any additional trips required, in excess of the contracted amount, due to failed acceptance test by Motorola will be billed on a time and material basis for determining actual damages to be charged back to the contractor if required by the County.

The total fee for the project is \$456,980.00. See attached breakdown; summary below:

OCG	\$405,480.00
JLRD, Inc.	<u>\$51,500.00 (SBE Participation 11.3%)</u>
	\$456,980.00

Please call me at my office at (850) 792-4724 or my cell phone (850) 321-0334 with any questions.

Sincerely,


Kenny Chen, P.E., PMP
Senior Consultant

Attachments: Fee Breakdown
JLRD Rate Schedule

omnicom consulting group, inc • 2927 Habersham Drive • Tallahassee, FL 32309 • tel (850) 792-4705

[illegible]

OMNICOM CONSULTING GROUP, INC. TECHNICAL SERVICES CONTRACT 14212 - P25 Migration Project Palm Beach County Implementation Phase					November 23, 2015
TASK	DESCRIPTION	HOURS	LABOR	TRAVEL	TOTAL
1*	Attend Kick-off Meeting & Participate in Detailed Design Review	52	\$ 7,280.00	\$ 250.00	\$ 7,530.00
2	Consoles Testing, Installation Inspections, and Cutover		\$ -	\$ -	\$ -
2.1*	Verification and Testing of 46 Consoles for 10 Dispatch Centers at Site S-5 (Batch for 2 Dispatch Centers per day)	50	\$ 7,000.00	\$ 1,250.00	\$ 8,250.00
2.2	Cutover Plan for 10 Dispatch Centers. (3 hrs per Dispatch Center)	30	\$ 4,200.00	\$ -	\$ 4,200.00
2.3*	Cutover of 46 Consoles at 10 Dispatch Centers. (1 Dispatch Center per day)	80	\$ 11,200.00	\$ 2,500.00	\$ 13,700.00
3*	Interim ISSI Connection Field Acceptance Testing	16	\$ 2,240.00	\$ 250.00	\$ 2,490.00
4	Review and Approve Factory Acceptance Test Plans and Attend P25 System Staging	64	\$ 8,960.00	\$ 2,100.00	\$ 11,060.00
5*	Inventory Received Equipment	40	\$ 5,600.00	\$ 1,250.00	\$ 6,850.00
6	Regulatory Compliance Reviews	60	\$ 8,400.00	\$ -	\$ 8,400.00
7	Inspection and Field Acceptance Testing of Site S-25 UPS and Generator, Site S-15 UPS, Site S-33 UPS and DC Power Systems		\$ -	\$ -	\$ -
7.1*	Site Inspections at 15 Sites	152	\$ 17,960.00	\$ 2,000.00	\$ 19,960.00
7.2	Site S-25 Generator Inspection and Field Acceptance Testing	16	\$ 1,760.00	\$ -	\$ 1,760.00
7.3	Site S-15, Site S-25 and Site S-33 UPS Inspection and Field Acceptance Testing	24	\$ 2,640.00	\$ -	\$ 2,640.00
7.4	DC Power Systems Inspections and Field Acceptance Testing at 15 Sites	60	\$ 6,600.00	\$ -	\$ 6,600.00
7.5	Manual Transfer Switch Installation Inspections at 8 RF Sites	24	\$ 2,640.00	\$ -	\$ 2,640.00
7.6*	Punch List Items Re-Inspection	24	\$ 3,360.00	\$ 750.00	\$ 4,110.00
8*	Microwave System Inspection and Field Acceptance Testing and Cutover of 17 Hops (1 day per hop)	160	\$ 22,400.00	\$ 4,250.00	\$ 26,650.00
8.1*	Punch List Items Re-Inspection	24	\$ 3,360.00	\$ 750.00	\$ 4,110.00
9*	Site S-33 (Aviation and Downtown Site) Installation Inspection, Acceptance Testing and Commissioning	24	\$ 3,360.00	\$ 750.00	\$ 4,110.00
9.1*	Punch List Items Re-Inspection	8	\$ 1,120.00	\$ 250.00	\$ 1,370.00
10	P25 System Inspection and Field Acceptance Testing		\$ -	\$ -	\$ -
10.1	Progress Inspections at 10 RF Sites throughout the duration of the Project	172	\$ 18,140.00	\$ -	\$ 18,140.00
10.2*	Pre-Field Acceptance Testing Site Inspections (2 sites per day)	48	\$ 6,720.00	\$ 1,250.00	\$ 7,970.00
10.3*	Field Acceptance Testing at 10 RF Sites (1 site per day)	96	\$ 13,440.00	\$ 2,500.00	\$ 15,940.00
10.4	Punch List Items Re-Inspection	32	\$ 4,480.00	\$ 1,000.00	\$ 5,480.00
11*	P25 Coverage Verification (3 Persons for 6 weeks each = 3 x 6 x 40hrs = 720 + 48 hours for CATP Review and Completion Report)	768	\$ 107,520.00	\$ 20,250.00	\$ 127,770.00
12	P25 System 30-Day Performance Period	16	\$ 2,240.00	\$ -	\$ 2,240.00
13*	P25 System Cutover	56	\$ 7,840.00	\$ 1,250.00	\$ 9,090.00
14	Permanent ISSI Connection Field Acceptance Testing	16	\$ 2,240.00	\$ 250.00	\$ 2,490.00
15	Project Management		\$ -	\$ -	\$ -
15.2	Monitor Daily Vendor Progress (87 weeks x 1.5 hours per week = 130.5)	130.5	\$ 18,270.00	\$ -	\$ 18,270.00
15.2	Bi-Weekly Teleconferences (OCG = 42 weeks x 2 hours per week = 84, JLRD = 20 hours by invitation)	104	\$ 13,960.00	\$ -	\$ 13,960.00
15.3	Miscellaneous PM Activities (RFIs, Document Reviews, Manage Issues and Risks, etc) (OCG = 80 weeks x 5 hours per week = 400, JLRD = 80 weeks x 1 hours per week = 80)	480	\$ 66,200.00	\$ -	\$ 66,200.00
15.4*	On-Site PM (Meetings, Additional Site Inspections, etc) (OCG = 10 visits x 16 hours per visit)	160	\$ 22,400.00	\$ 5,000.00	\$ 27,400.00
15.5	Project Close-out	40	\$ 5,600.00	\$ -	\$ 5,600.00
			\$ -	\$ -	\$ -
			\$ -	\$ -	\$ -
			\$ -	\$ -	\$ -
ON-SITE TASKS	TOTAL	3026.5	\$ 409,130.00	\$ 47,850.00	\$ 456,980.00

SCHEDULE 1

LIST OF PROPOSED SBE-M/WBE PARTICIPATION

PROJECT NAME: Public Safety Radio System Planning and Design Services

PROJECT NO: 14212

NAME OF PRIME CONSULTANT: Omnicom Consulting Group, Inc.

THIS DOCUMENT IS TO BE COMPLETED BY THE PRIME CONSULTANT AND SUBMITTED WITH PROPOSAL. PLEASE LIST THE NAME, CONTACT INFORMATION AND DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SBE -M/WBE SUBCONSULTANTS ON THIS PROJECT. IF THE PRIME IS AN SBE-M/WBE, ALSO LIST THE NAME, CONTACT INFORMATION AND DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME ON THIS PROJECT. THE PRIME AFFIRMS THAT IT WILL MONITOR THE SBES LISTED TO ENSURE THE SBES PERFORM THE WORK WITH ITS OWN FORCES.

Name	(Check one or both Categories)		DOLLAR AMOUNT OF PERCENTAGE OF WORK				
	<u>M/WBE</u> Minority Business	<u>SBE</u> Small Business	Black	Hispanic	Woman	Caucasian	Other (Please Specify)
1. JLRD, Inc. Charles Gableman 1450 Centrepark Boulevard, Suite 350 West Palm Beach, FL 33401 (561) 689-2303 cgableman@jlrddinc.com	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$ _____	\$ _____	\$ _____	\$51,500.00	\$ _____
2.	<input type="checkbox"/>	<input type="checkbox"/>	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
3.	<input type="checkbox"/>	<input type="checkbox"/>	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
4.	<input type="checkbox"/>	<input type="checkbox"/>	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
5.	<input type="checkbox"/>	<input type="checkbox"/>	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

(Please use additional sheets if necessary)

Total Price \$ 456,980.00

Total SBE-M/WBE Participation Dollar Amount or Percentage of Work: 51,500.00

I hereby certify that the above information accurate to the best of my knowledge:

Signature

Senior Consultant

Title

Note:

1. The amount listed on this form for a SBE-M/WBE Prime or subconsultant must be supported by price or percentage listed on the signed Schedule 2 or signed proposal in order to be counted toward goal attainment.
2. Firms may be certified by Palm Beach County as an SBE and/or and M/WBE. If firms are certified as both an SBE and M/WBE, please indicate the dollar amount or percentage under the appropriate category.
3. M/WBE information is being collected for tracking purposes only.

Revised 7/2/2013