

CLARK COUNTY
STAFF REPORT



DEPARTMENT/DIVISION: Department of Public Works/Transportation Program

DATE: November 4, 2014

SPECIFIC REQUEST: Establishment of the Highway 99 Traffic Responsive Incident Management Project, CRP # 340022. Authorize the Director of Public Works to sign and execute the specialty contract with Rock Creek Communications Group, LLC in the amount of \$60,000 and sign future contract-related documents related to task change orders/scope of work.

CHECK ONE: X Consent Chief Administrative Officer

PUBLIC WORKS GOALS:

- ☒ Provide safe and efficient transportation systems within Clark County
- ☒ Continue responsible stewardship of public funds
- ☒ Promote family-wage job creation and economic development to support a thriving community
- ☐ Maintain a desirable quality of life
- ☒ Improve environmental stewardship and protection of natural resources
- ☐ Increase partnerships and foster an engaged, informed community
- ☐ Make Public Works a great place to work

BACKGROUND As part of the Highway 99 Traffic Responsive Incident Management (TRIM) project, an audit of the county's fiber-optic communications network was included in the scope of work, to ensure county records accurately reflect the as-built field conditions. RFP #681 was issued to solicit proposals for this specialty work. One response was received, and the firm's qualifications to perform the work were verified using the attached evaluation.

This request would approve the attached contract for the fiber-optic audit portion of the TRIM project. Remaining work on the TRIM project will be brought before the Board for action at a later date.

COMMUNITY OUTREACH: This project is included in the adopted 2014-2019 Transportation Improvement Program (TIP). TIP development includes a wide array of public input, including public hearings, open house meetings, and an informational web page.

This project has the approval and support of the Vancouver Area Smart Trek (VAST) steering committee, an interagency group of traffic engineers including WSDOT and City of Vancouver staff, as well as the Regional Transportation Council.

BUDGET AND POLICY IMPLICATIONS: There are no budget implications involved in this request. The project is listed and funded in the 2014 Annual Construction Program (Item 25).


FISCAL IMPACTS: ☒ Yes (see Fiscal Impacts Attachment) ☐ No

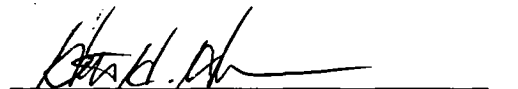
ngm
OK
y.

PW 14-118

ACTION REQUESTED: It is requested that the Board of County Commissioners sign both copies of the attached resolution for CRP # 340022. It is also requested that the Board authorize the Director of Public Works to sign and execute the specialty contract with Rock Creek Communications Group, LLC in the amount of \$60,000 and sign future contract-related documents related to task change orders/scope of work.

DISTRIBUTION: Please return the following to the Department of Public Works Transportation Programming Section, attention Michael Derleth: a copy of the approved staff report, indicating the Board's action, and one originally-signed copy of the resolution.


William Wright, P.E.
Transportation Programming Manager


Heath H. Henderson, P.E.
Public Works Director/County Engineer

APPROVED: 
CLARK COUNTY, WASHINGTON
BOARD OF COMMISSIONERS

DATE: NOV. 4, 2014

SR#: SR 246-14

Attachments: Fiscal Impact Statement; RFP Selection, Contract, Resolution.

c: PW Records, Michael Derleth, Bob Hart (RTC).

PW 14-118

FISCAL IMPACT ATTACHMENT

Part I: Narrative Explanation

I.A - Explanation of what the request does that has fiscal impact and the assumptions for developing revenue and costing information.

An audit of the county's fiber-optic communications network was included in the scope of work for the Highway 99 Traffic Responsive Incident Management (TRIM) project to ensure county records accurately reflect the as-built field conditions. This request would approve the contract to conduct the fiber-optic audit

Total cost is \$60,000 including \$51,900 in grant funds and \$8,100 from County Road Fund.

This project is programmed in the 2014-2019 Transportation Improvement Program (TIP) and 2014 Annual Construction Program. The revenues and expenses for this project are currently included in the Road Fund 2014 budget.

Part II: Estimated Revenues

Fund #/Title	Current Biennium ('13-'14)		Next Biennium ('15-'16)		Second Biennium	
	Road Fund	Total	Road Fund	Total	Road Fund	Total
1012 Road Fund	\$60,000	\$60,000	\$0	\$0	\$0	\$0
Total:	\$60,000	\$60,000	\$0	\$0	\$0	\$0

II.A - Describe the type of revenue (grant, fees, etc.)

Total cost is \$60,000 including \$51,900 in grant funds and \$8,100 from County Road Fund.

Part III: Estimated Expenditures

III.A - Expenditures summed up

Fund #/Title	FTE's	Current Biennium		Next Biennium		Second Biennium	
		Road Fund	Total	Road Fund	Total	Road Fund	Total
1012 Road Fund		\$60,000	\$60,000	\$0	\$0	\$0	\$0
Total:		\$60,000	\$60,000	\$0	\$0	\$0	\$0

III.B = Expenditure by object category

Fund #/Title	Current Biennium		Next Biennium		Second Biennium	
	Road Fund	Total	Road Fund	Total	Road Fund	Total
Salary/Benefits						
Consultant	\$60,000	\$60,000				
Supplies						
Travel						
Other controllables						
Capital Outlays						
Inter-fund Transfers						
Debt Service						
Total:	\$60,000	\$60,000	\$0	\$0	\$0	\$0

JP

RESOLUTION NO. 2014-11-04

BEFORE THE BOARD OF COUNTY COMMISSIONERS OF CLARK COUNTY, WASHINGTON

in the matter of initiating a county road project designated as **CRP No. 340022**

IT IS HEREBY RESOLVED THAT the Highway 99 Traffic Responsive Incident Management Project

Parcel No: N/A lying: along portions of Highway 99, NE 78th St., NE 99th St., NE 134th St., and NE 139th St., be improved as follows:

As part of the Highway 99 Traffic Responsive Incident Management (TRIM) project, an audit of the county's fiber-optic communications network was included in the scope of work, to ensure county records accurately reflect the as-built field conditions.

This resolution approves the fiber-optic audit portion of the TRIM project. Remaining work on the TRIM project will be brought before the Board for action at a later date.

The Public Works Director is hereby ordered and authorized to report and proceed thereon as provided by law. IT IS FURTHER RESOLVED that an appropriation from the officially adopted road fund budget, and based on the County Engineer's estimate, is hereby made in the amounts and for the purposes shown:

	County Road Fund	Federal Funds	TOTAL	Budget Year	
				2014	2015
Design	8,100	51,900	\$60,000	\$60,000	0
TOTAL	8,100	51,900	\$60,000	\$60,000	0

☒ This project is included in the officially adopted 2014 Annual Construction Program, as Item No. 25.

☐ The project is hereby made a part of the officially adopted Annual Road Program in accordance with RCW 36.81.130, BY SIGNATURE OF ALL BOARD MEMBERS.

IT IS FURTHER RESOLVED THAT :

☒ The construction is to be accomplished by contract in accordance with RCW 36.77.020 et.seq.

☐ The construction is to be accomplished by County forces in accordance with RCW 36.77.060 and WAC 136-18.

ADOPTED this 4th day of NOV., 2014.
ATTEST:

Rebecca Gilta
Clerk of the Board

BOARD OF COUNTY COMMISSIONERS
CLARK COUNTY, WASHINGTON

Tom Mielke
Tom Mielke, Chair

David Madore, Commissioner

Edward L. Barnes, Commissioner

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Clerk of the Board

BOARD OF COUNTY COMMISSIONERS
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Staff Report Attachment (RFP Selection Process)

Date:	10/14/2014																																																														
RFP Description:	RFP#681, OSPinSight Database Management, Maintenance and Fiber Optic Network Field Survey: The purpose of this RFP is to select a vendor to maintain and update the region's fiber asset management database using ESRI based OSPinSight software. The proposed data entry and possible field survey work to support fiber asset management through OSPinSight will facilitate multiagency sharing of fiber assets and associated ITS devices.																																																														
Evaluation Process	The RFP was advertised in the Battle Ground Reflector and sent to three vendors on the Plan Holders list. One proposal, Rock Creek Communications, was received. The Review Committee was made up of representatives from City of Vancouver, Clark County, WSDOT and RTC. The first step of the selection process consisted of an evaluation of the proposal that was submitted. The evaluation focused on determining if the proposal responded to the RFP requirements. The evaluators agreed that the proposal was strong and responded to the requirements. The team discussed the proposal in detail and developed a series of questions for the proposer for a follow up interview. The interview included questions about the process for quality assurance and quality checking for: OSPinSight database entry, review, management, and maintenance; the fiber optic network field survey, and the review of as-built drawings and associated fiber documentation. The Committee also asked for clarification on the budget summary included in the proposal																																																														
Evaluation Matrix-Round 1	<div style="text-align: center;">PROPOSERS - RFP #681: OSPinSight Database Management</div> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2"></th> <th colspan="5">Rock Creek Communications</th> <th rowspan="2">Average</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th></th> </tr> </thead> <tbody> <tr> <td>Max Pts.</td> <td>10</td> <td>8</td> <td>7</td> <td>6</td> <td>10</td> <td>7.75</td> </tr> <tr> <td>Project Team</td> <td>15</td> <td>10</td> <td>8</td> <td>11</td> <td>15</td> <td>11</td> </tr> <tr> <td>Management Approach</td> <td>35</td> <td>33</td> <td>20</td> <td>34</td> <td>35</td> <td>30.5</td> </tr> <tr> <td>Respondent's Capabilities</td> <td>35</td> <td>27</td> <td>20</td> <td>27</td> <td>35</td> <td>27.25</td> </tr> <tr> <td>Project Understanding and Approach</td> <td>5</td> <td>5</td> <td>5</td> <td>2</td> <td>5</td> <td>4.25</td> </tr> <tr> <td>Cost</td> <td>100</td> <td>83</td> <td>60</td> <td>80</td> <td>100</td> <td>80.75</td> </tr> <tr> <td>Total Average Score</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0</td> </tr> </tbody> </table> <div style="text-align: center;">PROPOSERS - #681: OSPinSight Database Management</div>			Rock Creek Communications					Average	1	2	3	4		Max Pts.	10	8	7	6	10	7.75	Project Team	15	10	8	11	15	11	Management Approach	35	33	20	34	35	30.5	Respondent's Capabilities	35	27	20	27	35	27.25	Project Understanding and Approach	5	5	5	2	5	4.25	Cost	100	83	60	80	100	80.75	Total Average Score						0
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Recommended Proposer:	All selection team members agreed that the Rock Creek Communication proposal was excellent. They also did a superior job in responding to interview questions.																																																														
Comments: <i>Include the total cost of the contract for E-Verify requirements</i>	Total cost for this contract is \$60,000.																																																														

DIRECTIONS Below - delete this section once your matrix is complete:

*All sections of this project are required. If you need assistance, contact our Purchasing Manager.

Professional Services Contract

Contract Purchase Agreement No.

THIS AGREEMENT, entered this _____ day of _____ 2014, by and between CLARK COUNTY, after this called "County," a political subdivision of the State of Washington, and Rock Creek Communications Group, LLC, after this called "Contractor."

WITNESSETH

WHEREAS, the contractor has been chosen through a competitive bid process by the County described in RFP # 681, OSPInSight Database Management, Maintenance and Fiber Optic Network Field Survey and has the expertise to maintain and update the region's fiber asset management database using ESRI based OSPInSight software and possible field survey work to support fiber asset management.

WHEREAS, Clark County does not have available staff to provide such services for the benefit of the services of Clark County, NOW, THEREFORE,

THE COUNTY AND THE CONTRACTOR MUTUALLY AGREE AS FOLLOWS:

1. Services. The Contractor shall perform services as follows:

A. Generally: To provide professional services for Clark County and to perform those services more particularly set out in the attached proposal attached hereto and incorporated herein by this reference as Exhibit A.

2. Time. The Contract shall be deemed effective beginning October 28, 2014 and ending December 31, 2015.

3. Compensation. County shall pay the Contractor for performing said services upon receipt of a written invoice according to the following schedule:

A. Fees paid Contractor shall be those fee schedules set forth in "Exhibit B"

The parties mutually agree that in no event shall the amount of billing exceed \$60,000 without prior written approval of the County.

4. Termination. The County may terminate this Contract immediately upon any breach by Contractor in the duties of Contractor as set forth in the Contract. The waiver by the County of one or more breach shall not be held or construed as a waiver of any subsequent breach or breaches. Further, County may terminate this Contract upon immediate notice to Contractor in the event that the funding for the project ceases or is reduced in amount. The Contractor will be reimbursed for services expended up to the date of termination.

5. Independent Contractor. The Contractor shall always be an independent contractor and not an employee of the County, and shall not be entitled to compensation or benefits of any kind except as specifically provided herein.

6. Indemnification / Hold Harmless. The Contractor shall defend, indemnify and hold the County, its officers, officials, employees and volunteers harmless from any and all claims, injuries, damages, losses or suits including attorney fees, arising out of or resulting from the acts, errors or omissions of the Contractor in performance of this Agreement, except for injuries and damages caused by the sole negligence of the County. Should a court of competent jurisdiction determine that this Agreement is subject to RCW 4.24.115, then, in the event of liability for damages arising out of bodily injury to persons or damages to property caused by or resulting from the concurrent negligence of the Contractor and the County, its officers, officials, employees, and volunteers, the Contractor's liability, including the duty and cost to defend, hereunder shall be only to the extent of the Contractor's negligence. It is further specifically and

expressly understood that the indemnification provided herein constitutes the Contractor's waiver of immunity under Industrial Insurance, Title 51 RCW, solely for the purposes of this indemnification. This waiver has been mutually negotiated by the parties. The provisions of this section shall survive the expiration or termination of this Agreement.

7. Wage and hour compliance. Contractor shall comply with all applicable provisions of the Fair Labor Standards Act and any other legislation affecting its employees and the rules and regulations issued thereunder insofar as applicable to its employees and shall always save County free, clear and harmless from all actions, claims, demands and expenses arising out of said act and the rules and regulations that are or may be promulgated in connection therewith.

8. Social Security and Other Taxes. The Contractor assumes full responsibility for the payment of all payroll taxes, income or other form of taxes, fees, licenses, excises, or payments required by any city, federal or state legislation that is not or may during the term of this Contract be enacted as to all persons employed by the Contractor in performance of the work pursuant to this Contract and shall assume exclusive liability therefore, and meet all requirement's thereunder pursuant to any rules and regulations that are now and may be promulgated in connection therewith.

9. Contract Documents: Contract documents consist of this Contract and Exhibit A which consists of the proposal and cost. Where provisions of the Contract and provisions of Exhibit A are inconsistent, the provisions contained in the Contract shall be controlling.

10. Equal Employment Opportunity: The Contractor will not discriminate against

any employee or applicant for employment because of race, color, religion, gender, sexual orientation, age, disability, marital status or national origin.

11. Changes: County may, from time to time, require changes in the scope of the services to be performed hereunder. Such changes, including any increase or decrease in the amount of the Contractor's compensation, which are mutually agreed upon by and between County and the Contractor, shall be incorporated in the written amendments to the Contract.

12. Public records act: Notwithstanding the provisions of this Contract, to the extent any record, including any electronic, audio, paper or other media, is required to be kept or indexed as a public record in accordance with the Washington Public Records Act, RCW Chapter 42.56, as may hereafter be amended, Contractor agrees to maintain all records constituting public records and to produce or assist Clark County in producing such records, within the time frames and parameters set forth in state law. Contractor further agrees that upon receipt of any written public record request, Contractor shall, within two business days, notify Clark County by providing a copy of the request to the Clark County Public Records Officer/Department of Public Works.

13. Governing Law. This Contract shall be governed by the laws of the State of Washington. Venue for any litigation shall be Clark County, Washington.

14. Confidentiality. With respect to all information relating to County that is confidential and clearly so designated, Contractor agrees to keep such information confidential.

15. Conflict of Interest. The Contractor covenants that it has had no interest and shall not acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance of services hereunder. This Contract further covenants

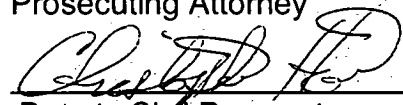
that in the performance of this Contract, no person having such interest shall be employed.

16. Consent and Understanding. This Contract contains a complete and integrated understanding of the Contract between the parties and supersedes any understandings, agreement, or negotiations, whether oral or written, not set forth herein or in written amendments hereto duly executed by both parties.

17. Severability. If any provision of this Contract is held invalid, the remainder would then continue to conform to the terms and requirements of applicable law.

IN WITNESS THEREOF, County and the Contractor have executed this Contract on the date first above written.

APPROVED AS TO FORM ONLY
ANTHONY F. GOLIK
Prosecuting Attorney


Deputy Civil Prosecutor

Public Works Director

Rock Creek Communications Group,
LLC

Vendor/Contractor:

Have you or any of your employees who will be directly compensated retired from a Washington State Retirement System using the 2008 Early Retirement Factor?

☐ Yes

☐ No

If yes, please provide the name and social security number for each retiree to Clark County Purchasing.

OSPInSight Database Management and Maintenance and Fiber Optic Network Field Survey

Exhibit A *Proposal and Budget*

ROCK CREEK COMMUNICATIONS GROUP LLC

31116 NE 152ND AVE, BATTLE GROUND, WA 98604

*OSPinSight Database Management,
Maintenance and Fiber Optic Network Field
Survey*

RFP # 681

**PROFESSIONAL, TECHNICAL AND EXPERT SERVICES
Clark County Washington**

Christine Ganoung

9/9/2014

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SCOPE

- Review and interpret individual agency as-builds as provided by VAST partner Agencies
- Analysis of fiber database and recommendations on areas of improvement.
- Audit existing fiber optic routes, cable routes, splice locations, equipment cabinets And associated network infrastructure as directed by the VAST CIC.
- Update the OSPInSight fiber asset management system with actual as built Conditions.
- Add new projects not currently in the OSP database.
- Conduct migration to new OSPInSight versions as needed.
- Periodic meetings with VAST Communications Infrastructure Committee to review Database status and improvements, discussion of needs and priorities.
- Consultation and meetings with individual VAST agencies as needed regarding Agency fiber assets projects and data conversion.

PROJECT TEAM

- Team Rock Creek includes:
Christine Ganoung – Owner and CEO 9 Years of experience providing unsurpassed certified knowledge of OSPInSight ESRI, Telecommunications OSP Engineering, AutoCAD, OSP Documentation and Planning.
Chris Ganoung – 18 years of experience in multiple GIS systems, Telecommunications Planning, Equipment Installation, Network Design, OSP Engineering, Infrastructure Documentation, AutoCAD, Microstation, OSPInSight and Federal Emergency Operations Center Support.
Jason McCutchan – Civil Engineering Student Intern – In his final year at Portland State University Civil Engineering program, Jason is very eager and determined to learn the many disciplines of Engineering, Geospatial Information Systems and government procedures for his fields of study.

Rock Creek intends to utilize Gillespie, Prudhon & Associates as a Sub-Contractor to assist with the fiber optic field audits and splicing as necessary.

- Team GP&A (Gillespie, Prudhon & Associates) - Fiber Splicing and Field Audit support
Chris Witthaus-Engineering Manager, NATHAN E. SMYTH-Project Manager/Field Engineer, C. BYRON PERRY-Project Manager, JOHN D. LOAR-Lead Fiber Cable Splicing and Testing Technician, JACOB ROWE-Apprentice Fiber Installer / Field Technician

MANAGEMENT APPROACH

- *Rock Creek's key approach is to seek clarity and understanding on the Standards and Nomenclature that the VAST and CIC Group has set for the documentation of the Fiber Optic Network's input into OSPInsight. Review OSPInsight upgrade options and implement software vendor to complete conversion to new ESRI platform.*
- *Secondly Rock Creek will identify the existing documentation and perform a complete audit of existing infrastructure versus information available in OSPInsight.*
- *Identify field audit locations based upon findings of AS-Built versus Data Input in OSPInsight*
- *Prepare audit paperwork and documentation requirements.*
- *Begin OSP Audit of locations identified. OTDR/VFL test as necessary to ensure continuity-QC review and acceptance.*
- *Identify and prepare new As-Built projects to be input into OSPInsight and QC.*
- *Review audit findings, QC and input into OSPInsight.*
- *Revisit Tasks and Scope Requirements, Lessons Learned.*

RESPONDENT'S CAPABILITIES

- *Since 2005 Rock Creek has been assisting VAST, the City of Vancouver and its consultants with OSPInsight guidance, conversion, upgrades, training (where available) and project support to ensure that data has been captured, corrected and quality checked on projects it has been involved with.*

Rock Creek recently assisted Clackamas County, Oregon in creating, from As-Built documentation, an entire OSPInsight ESRI database for the BTOP (Business Technology and Opportunities Program) Grant award. The process started by creating logs of captured Engineering drawings, assisting in the technical standards creation and overall input. We created a pick list of records that the engineering vendor did and did not capture and was sent to the field to gather and investigate. Once the data repository was created, input into the database commenced. Quality controls were put in place to ensure that the data was accurate and within Engineering precision where it was deemed required. Capacity of the fiber system would be determined at a later date when Transmission equipment was put in place. This then began to create the ability to assign and monitor circuits for maintenance and capacity planning efforts. Rock Creek also assisted Howard County (MD), SHA, MDOT and DOIT of Maryland with Engineering, GIS Mapping and OSPInsight support for its BTOP award of \$158 Million Grant. This

included all aspects of project management, engineering, construction management, permitting and many Federal agency mapping requests up to and including post engineering and audit documentation. Ultimately all As-Built data was input into OSPInsight. Past references include, Temporary Employment in documentation and conversion of WSDOT corporate OSPInsight Database ESRI to MapInfo and data input, Bonneville Power Administration (BPA) input and Conversion from Telcordia Network Engineer (ESRI) to OSPInsight (MapInfo) including field audits and Database Administration. Contractor/Sub-Contractor: Tetra Tech-Setup, Input and documentation of fiber facilities into Enghouse Networks software. MDOT/DoIT (Maryland Dept. of Transportation/Maryland Dept. of IT)-OSPInsight data input, Maryland Broadband Cooperative (MDBC)-input into OSPInsight, Baltimore County (MD)-Creation, Implementation and Maintenance OSPInsight ESRI, Carroll County (MD), Howard County (MD), Prince George's County (MD) – Design and setup of Fiber Asset management System, Inter-County Broadband Network (ICBN)-Design and setup including registration with MD Utilities Registration system. Prince George's County ESRI system support and DC-Octo Emergency Operations Center data – CAD (Computer Aided Dispatch), E911 conversion and ESRI server support, FPL-Fibernet-OSPInsight Support, Orlando Telephone-OSPInsight support. Rock Creek currently has an ITIL Certified member on staff to assist with Implementation and process tasks.

Gillespie, Prudhon & Associates, Inc. (GP&A) is an electrical engineering services firm specializing in the design and implementation of telecommunications transmission systems and networks since 1980. The firm is particularly well qualified and well known for the design and implementation of terrestrial microwave networks, earth station and satellite links, lightwave (fiber optic) systems, point-multipoint systems, and other components of telecommunications transmission networks. GP&A also supports clients in the design and implementation of terminal equipment, switching systems and two-way radio (wireless) systems for voice and data communications.

GP&A is completely independent of any equipment manufacturer, vendor, or contractor and is managed by its senior leadership team. This team is composed of principal engineers, Robin Smyth, Chris Witthaus and Dave Wand, who are Registered Professional Engineers in numerous western states. Nathan Smyth leads GP&A's implementation service crews which specialize in the wiring, installation and testing of electronic telecommunications equipment and the splicing and testing of OPGW and ADSS optical fiber cables. GP&A has recently completed 34 years of successful service to the telecommunications user community.

PROJECT APPROACH AND UNDERSTANDING

- *Rock Creeks proposed approach is two-fold. First, the understanding of the goals and responsibilities of the VAST partners is critical. Second, the interaction and quality control methods of the project shall be guided by certified expert level personnel. This will be accomplished by creating the pick list of available information and As-Built drawings, discussions around where there are known conflicts with data, creating the documentation audit process, then identifying the necessary field audit locations, implementing the field audits and discussion around the receipt of audit details. Once the process is approved, full audits will begin at identified locations with assistance of field crews from the partner agencies. Once the process has been implemented there will be a review of input and revised OSPInsight data along with changes in tasking necessary to efficiently produce desired goals and output. A lessons learned will be implemented to discuss any changes to future system conditions, analysis and identified trouble locations.*
- *Due to the complexity of the Fiber Optic Field Audit process, it will be difficult to layout upfront costs for any fiber enclosure or fiber distribution frame audit. The key pieces of the audit process is the Traffic Control and pre-audit safety requirements/inspection, number of enclosures, frames, fiber counts and determining the level of research necessary to give complete results using equipment like VFL's (Visual Fault Locators), OTDR's (Optical Time Domain Reflectometer) and other fiber characterization and audit equipment. These costs can vary in price greatly depending on the needs of the customer. Rock Creek and GP&A's approach is to assist in determining the absolute requirements and adjust the scope to ensure all details and costs are deemed acceptable by VAST and the CIC before committing resources to the field audits. Therefore Rock Creek in this proposal will give an estimated Inclusive price for specific locations not classified as a general records audit based upon visual inspection, testing with VFL devices and normal visual methods of audit. The audit Including, but not limited to cable material details, fiber splice details, splice case identifiers, cabinet identifiers, port and strand records and full audit inspection sheets with pictures to properly document and attach (as deemed necessary) to the objects or folders in OSPInsight or a hierarchy deemed available or to be created for visibility to all VAST/CIC members.*

PROPOSED COST

- Statistics for the VAST fiber optic system:
98.31 Miles of Plant, 170 Splice locations, 1126 Access Points, 351 Fiber Distribution Frames, 275 Poles and 8 Buildings.

Task 1 – OSPInSight database entry, review, management, and maintenance

Task 2 – Review as-built drawings and associated fiber documentation

Task 3 – Fiber optic network field survey

Task 4 – Meetings with the VAST Communication Infrastructure Committee and individual agency staff

Title	Task	Estimated Hours	Hourly Rate	Totals
OSPInSight/ Engineering Technician - GIS Tech 1	1,2	320	60	\$19,200.00
Administrative PM	1,2,3,4	120	95	\$11,400.00
Senior OSP Engineer	2,3,4	140	85	\$11,900.00
OSP Field Audits per location	3	Per location*See PA&U section bullet #2.	TBD (175Hrs) Estimated	\$17,500.00
Totals				\$60,000.00

****All tasking and hours described herein are only estimates. Tasking and responsibilities will change as final allocation of budget between tasks will be determined by VAST and CIC group.**

INDUSTRY REFERENCES

- Duke Dexter– Clackamas County
121 Library Court, Oregon City, OR 97045
Email: ddexter@clackamas.us Cell:971-219-3339 Office:360-722-6663
- Dave Timperley – Bonneville Power Administration
905 N.E. 11th Avenue, P.O. Box 3621. Portland, OR 97208
Email: datimperley@bpa.gov Cell:360-609-3102 Office:360-619-6348
- Chris Christofferson – City of Vancouver
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