

AGREEMENT

35912

THIS AGREEMENT is made and entered, in duplicate, as of April 19, 2021, for reference purposes only, pursuant to a minute order adopted by the City Council of the City of Long Beach at its meeting on April 13, 2021, by and between PACIFIC COAST CABLING, INC. DBA PCC NETWORK SOLUTIONS, a California corporation ("Consultant"), with a place of business at 20717 Prairie Street, Chatsworth, California 91311, and the CITY OF LONG BEACH, a municipal corporation ("City").

WHEREAS, City requires specialized services requiring unique skills to be performed in connection with as-needed Citywide data, telephone, and fiber optic structured cabling ("Project"); and

WHEREAS, City has selected Consultant in accordance with City's administrative procedures and City has determined that Consultant and its employees are qualified, licensed, if so required, and experienced in performing these specialized services; and

WHEREAS, City desires to have Consultant perform these specialized services, and Consultant is willing and able to do so on the terms and conditions in this Agreement;

NOW, THEREFORE, in consideration of the mutual terms, covenants, and conditions in this Agreement, the parties agree as follows:

1. SCOPE OF WORK OR SERVICES.

A. Consultant shall furnish specialized services more particularly described in Exhibit "A", attached to this Agreement and incorporated by this reference, in accordance with the standards of the profession, and City shall pay for these services in the manner described below, in an annual amount not to exceed Four Hundred Thousand Dollars (\$400,000), at the rates or charges shown in Exhibit "B".

B. The City's obligation to pay the sum stated above for any one

1 fiscal year shall be contingent upon the City Council of the City appropriating the  
2 necessary funds for such payment by the City in each fiscal year during the term of  
3 this Agreement. For the purposes of this Section, a fiscal year commences on  
4 October 1 of the year and continues through September 30 of the following year. In  
5 the event that the City Council of the City fails to appropriate the necessary funds  
6 for any fiscal year, then, and in that event, the Agreement will terminate at no  
7 additional cost or obligation to the City.

8 C. Consultant may select the time and place of performance for  
9 these services; provided, however, that access to City documents, records and the  
10 like, if needed by Consultant, shall be available only during City's normal business  
11 hours and provided that milestones for performance, if any, are met.

12 D. Consultant has requested to receive regular payments. City  
13 shall pay Consultant in due course of payments following receipt from Consultant  
14 and approval by City of invoices showing the services or task performed, the time  
15 expended (if billing is hourly), and the name of the Project. Consultant shall certify  
16 on the invoices that Consultant has performed the services in full conformance with  
17 this Agreement and is entitled to receive payment. Each invoice shall be  
18 accompanied by a progress report indicating the progress to date of services  
19 performed and covered by the invoice, including a brief statement of any Project  
20 problems and potential causes of delay in performance, and listing those services  
21 that are projected for performance by Consultant during the next invoice cycle.  
22 Where billing is done and payment is made on an hourly basis, the parties  
23 acknowledge that this arrangement is either customary practice for Consultant's  
24 profession, industry or business, or is necessary to satisfy audit and legal  
25 requirements which may arise due to the fact that City is a municipality.

26 E. Consultant represents that Consultant has obtained all  
27 necessary information on conditions and circumstances that may affect its  
28 performance and has conducted site visits, if necessary.

1 F. CAUTION: Consultant shall not begin work until this  
2 Agreement has been signed by both parties and until Consultant's evidence of  
3 insurance has been delivered to and approved by City.

4 2. TERM. The term of this Agreement shall commence at midnight on  
5 May 1, 2021, and shall terminate at 11:59 p.m. on April 30, 2023, unless sooner terminated  
6 as provided in this Agreement, or unless the services or the Project is completed sooner.  
7 The term may be extended for three (3) additional one-year periods, at the discretion of  
8 the City Manager.

9 3. COORDINATION AND ORGANIZATION.

10 A. Consultant shall coordinate its performance with City's  
11 representative, if any, named in Exhibit "C", attached to this Agreement and  
12 incorporated by this reference. Consultant shall advise and inform City's  
13 representative of the work in progress on the Project in sufficient detail so as to  
14 assist City's representative in making presentations and in holding meetings on the  
15 Project. City shall furnish to Consultant information or materials, if any, described  
16 in Exhibit "D", attached to this Agreement and incorporated by this reference, and  
17 shall perform any other tasks described in the Exhibit.

18 B. The parties acknowledge that a substantial inducement to City  
19 for entering this Agreement was and is the reputation and skill of Consultant's key  
20 employee, named in Exhibit "E" attached to this Agreement and incorporated by this  
21 reference. City shall have the right to approve any person proposed by Consultant  
22 to replace that key employee.

23 4. INDEPENDENT CONTRACTOR. In performing its services,  
24 Consultant is and shall act as an independent contractor and not an employee,  
25 representative or agent of City. Consultant shall have control of Consultant's work and the  
26 manner in which it is performed. Consultant shall be free to contract for similar services to  
27 be performed for others during this Agreement; provided, however, that Consultant acts in  
28 accordance with Section 9 and Section 11 of this Agreement. Consultant acknowledges

1 and agrees that (a) City will not withhold taxes of any kind from Consultant's compensation;  
2 (b) City will not secure workers' compensation or pay unemployment insurance to, for or  
3 on Consultant's behalf; and (c) City will not provide and Consultant is not entitled to any of  
4 the usual and customary rights, benefits or privileges of City employees. Consultant  
5 expressly warrants that neither Consultant nor any of Consultant's employees or agents  
6 shall represent themselves to be employees or agents of City.

7           5.     INSURANCE.

8           A.     As a condition precedent to the effectiveness of this  
9 Agreement, Consultant shall procure and maintain, at Consultant's expense for the  
10 duration of this Agreement, from insurance companies that are admitted to write  
11 insurance in California and have ratings of or equivalent to A:V by A.M. Best  
12 Company or from authorized non-admitted insurance companies subject to Section  
13 1763 of the California Insurance Code and that have ratings of or equivalent to A:VIII  
14 by A.M. Best Company, the following insurance:

15                   i.     Commercial general liability insurance (equivalent in  
16 scope to ISO form CG 00 01 11 85 or CG 00 01 10 93) in an amount not less  
17 than One Million Dollars (\$1,000,000.00) per each occurrence and Two  
18 Million Dollars (\$2,000,000.00) general aggregate. This coverage shall  
19 include but not be limited to broad form contractual liability, cross liability,  
20 independent contractors liability, and products and completed operations  
21 liability. City, its boards and commissions, and their officials, employees and  
22 agents shall be named as additional insureds by endorsement (on City's  
23 endorsement form or on an endorsement equivalent in scope to ISO form CG  
24 20 10 11 85 or CG 20 26 11 85 or both CG 20 10 07 04 and CG 20 37 07 04  
25 or both CG 20 33 07 04 and CG 20 37 07 04), and this insurance shall contain  
26 no special limitations on the scope of protection given to City, its boards and  
27 commissions, and their officials, employees and agents. This policy shall be  
28 endorsed to state that the insurer waives its right of subrogation against City,

1 its boards and commissions, and their officials, employees and agents.

2 ii. Workers' Compensation insurance as required by the  
3 California Labor Code and employer's liability insurance in an amount not  
4 less than One Million Dollars (\$1,000,000.00). This policy shall be endorsed  
5 to state that the insurer waives its right of subrogation against City, its boards  
6 and commissions, and their officials, employees and agents.

7 iii. Professional liability or errors and omissions insurance  
8 in an amount not less than One Million Dollars (\$1,000,000.00) per claim.

9 iv. Commercial automobile liability insurance (equivalent in  
10 scope to ISO form CA 00 01 06 92), covering Auto Symbol 1 (Any Auto) in  
11 an amount not less than Five Hundred Thousand Dollars (\$500,000.00)  
12 combined single limit per accident.

13 B. Any self-insurance program, self-insured retention, or  
14 deductible must be separately approved in writing by City's Risk Manager or  
15 designee and shall protect City, its officials, employees and agents in the same  
16 manner and to the same extent as they would have been protected had the policy  
17 or policies not contained retention or deductible provisions.

18 C. Each insurance policy shall be endorsed to state that coverage  
19 shall not be reduced, non-renewed or canceled except after thirty (30) days prior  
20 written notice to City, shall be primary and not contributing to any other insurance  
21 or self-insurance maintained by City, and shall be endorsed to state that coverage  
22 maintained by City shall be excess to and shall not contribute to insurance or self-  
23 insurance maintained by Consultant. Consultant shall notify City in writing within  
24 five (5) days after any insurance has been voided by the insurer or cancelled by the  
25 insured.

26 D. If this coverage is written on a "claims made" basis, it must  
27 provide for an extended reporting period of not less than one hundred eighty (180)  
28 days, commencing on the date this Agreement expires or is terminated, unless

1 Consultant guarantees that Consultant will provide to City evidence of uninterrupted,  
2 continuing coverage for a period of not less than three (3) years, commencing on  
3 the date this Agreement expires or is terminated.

4 E. Consultant shall require that all subconsultants or contractors  
5 that Consultant uses in the performance of these services maintain insurance in  
6 compliance with this Section unless otherwise agreed in writing by City's Risk  
7 Manager or designee.

8 F. Prior to the start of performance, Consultant shall deliver to City  
9 certificates of insurance and the endorsements for approval as to sufficiency and  
10 form. In addition, Consultant shall, within thirty (30) days prior to expiration of the  
11 insurance, furnish to City certificates of insurance and endorsements evidencing  
12 renewal of the insurance. City reserves the right to require complete certified copies  
13 of all policies of Consultant and Consultant's subconsultants and contractors, at any  
14 time. Consultant shall make available to City's Risk Manager or designee all books,  
15 records and other information relating to this insurance, during normal business  
16 hours.

17 G. Any modification or waiver of these insurance requirements  
18 shall only be made with the approval of City's Risk Manager or designee. Not more  
19 frequently than once a year, City's Risk Manager or designee may require that  
20 Consultant, Consultant's subconsultants and contractors change the amount, scope  
21 or types of coverages required in this Section if, in his or her sole opinion, the  
22 amount, scope or types of coverages are not adequate.

23 H. The procuring or existence of insurance shall not be construed  
24 or deemed as a limitation on liability relating to Consultant's performance or as full  
25 performance of or compliance with the indemnification provisions of this Agreement.

26 6. ASSIGNMENT AND SUBCONTRACTING. This Agreement  
27 contemplates the personal services of Consultant and Consultant's employees, and the  
28 parties acknowledge that a substantial inducement to City for entering this Agreement was

1 and is the professional reputation and competence of Consultant and Consultant's  
2 employees. Consultant shall not assign its rights or delegate its duties under this  
3 Agreement, or any interest in this Agreement, or any portion of it, without the prior approval  
4 of City, except that Consultant may with the prior approval of the City Manager of City,  
5 assign any moneys due or to become due Consultant under this Agreement. Any  
6 attempted assignment or delegation shall be void, and any assignee or delegate shall  
7 acquire no right or interest by reason of an attempted assignment or delegation.  
8 Furthermore, Consultant shall not subcontract any portion of its performance without the  
9 prior approval of the City Manager or designee, or substitute an approved subconsultant  
10 or contractor without approval prior to the substitution. Nothing stated in this Section shall  
11 prevent Consultant from employing as many employees as Consultant deems necessary  
12 for performance of this Agreement.

13 7. CONFLICT OF INTEREST. Consultant, by executing this Agreement,  
14 certifies that, at the time Consultant executes this Agreement and for its duration,  
15 Consultant does not and will not perform services for any other client which would create  
16 a conflict, whether monetary or otherwise, as between the interests of City and the interests  
17 of that other client. Consultant further certifies that Consultant does not now have and shall  
18 not acquire any interest, direct or indirect, in the area covered by this Agreement or any  
19 other source of income, interest in real property or investment which would be affected in  
20 any manner or degree by the performance of Consultant's services hereunder. And,  
21 Consultant shall obtain similar certifications from Consultant's employees, subconsultants  
22 and contractors.

23 8. MATERIALS. Consultant shall furnish all labor and supervision,  
24 supplies, materials, tools, machinery, equipment, appliances, transportation and services  
25 necessary to or used in the performance of Consultant's obligations under this Agreement,  
26 except as stated in Exhibit "D".

27 9. OWNERSHIP OF DATA. All materials, information and data  
28 prepared, developed or assembled by Consultant or furnished to Consultant in connection

1 with this Agreement, including but not limited to documents, estimates, calculations,  
2 studies, maps, graphs, charts, computer disks, computer source documentation, samples,  
3 models, reports, summaries, drawings, designs, notes, plans, information, material and  
4 memorandum ("Data") shall be the exclusive property of City. Data shall be given to City,  
5 in a format identified by City, and City shall have the unrestricted right to use and disclose  
6 the Data in any manner and for any purpose without payment of further compensation to  
7 Consultant. Copies of Data may be retained by Consultant but Consultant warrants that  
8 Data shall not be made available to any person or entity for use without the prior approval  
9 of City. This warranty shall survive termination of this Agreement for five (5) years.

10 10. TERMINATION. Either party shall have the right to terminate this  
11 Agreement for any reason or no reason at any time by giving fifteen (15) calendar days  
12 prior written notice to the other party. In the event of termination under this Section, City  
13 shall pay Consultant for services satisfactorily performed and costs incurred up to the  
14 effective date of termination for which Consultant has not been previously paid. The  
15 procedures for payment in Section 1.B. with regard to invoices shall apply. On the effective  
16 date of termination, Consultant shall deliver to City all Data developed or accumulated in  
17 the performance of this Agreement, whether in draft or final form, or in process. And,  
18 Consultant acknowledges and agrees that City's obligation to make final payment is  
19 conditioned on Consultant's delivery of the Data to City.

20 11. CONFIDENTIALITY. Consultant shall keep all Data confidential and  
21 shall not disclose the Data or use the Data directly or indirectly, other than in the course of  
22 performing its services, during the term of this Agreement and for five (5) years following  
23 expiration or termination of this Agreement. In addition, Consultant shall keep confidential  
24 all information, whether written, oral or visual, obtained by any means whatsoever in the  
25 course of performing its services for the same period of time. Consultant shall not disclose  
26 any or all of the Data to any third party, or use it for Consultant's own benefit or the benefit  
27 of others except for the purpose of this Agreement.

28 12. BREACH OF CONFIDENTIALITY. Consultant shall not be liable for



1 a breach of confidentiality with respect to Data that: (a) Consultant demonstrates  
2 Consultant knew prior to the time City disclosed it; or (b) is or becomes publicly available  
3 without breach of this Agreement by Consultant; or (c) a third party who has a right to  
4 disclose does so to Consultant without restrictions on further disclosure; or (d) must be  
5 disclosed pursuant to subpoena or court order.

6 13. ADDITIONAL COSTS AND REDESIGN.

7 A. Any costs incurred by City due to Consultant's failure to meet  
8 the standards required by the scope of work or Consultant's failure to perform fully  
9 the tasks described in the scope of work which, in either case, causes City to request  
10 that Consultant perform again all or part of the Scope of Work shall be at the sole  
11 cost of Consultant and City shall not pay any additional compensation to Consultant  
12 for its re-performance.

13 B. If the Project involves construction and the scope of work  
14 requires Consultant to prepare plans and specifications with an estimate of the cost  
15 of construction, then Consultant may be required to modify the plans and  
16 specifications, any construction documents relating to the plans and specifications,  
17 and Consultant's estimate, at no cost to City, when the lowest bid for construction  
18 received by City exceeds by more than ten percent (10%) Consultant's estimate.  
19 This modification shall be submitted in a timely fashion to allow City to receive new  
20 bids within four (4) months after the date on which the original plans and  
21 specifications were submitted by Consultant.

22 14. AMENDMENT. This Agreement, including all Exhibits, shall not be  
23 amended, nor any provision or breach waived, except in writing signed by the parties which  
24 expressly refers to this Agreement.

25 15. LAW. This Agreement shall be construed in accordance with the laws  
26 of the State of California, and the venue for any legal actions brought by any party with  
27 respect to this Agreement shall be the County of Los Angeles, State of California for state  
28 actions and the Central District of California for any federal actions. Consultant shall cause

1 all work performed in connection with construction of the Project to be performed in  
2 compliance with (1) all applicable laws, ordinances, rules and regulations of federal, state,  
3 county or municipal governments or agencies (including, without limitation, all applicable  
4 federal and state labor standards, including the prevailing wage provisions of sections 1770  
5 *et seq.* of the California Labor Code); and (2) all directions, rules and regulations of any fire  
6 marshal, health officer, building inspector, or other officer of every governmental agency  
7 now having or hereafter acquiring jurisdiction.

8           16. WORK DAY. Consultant shall comply with Sections 1810 through  
9 1815 of the California Labor Code regarding hours of work. Consultant shall forfeit, as a  
10 penalty to City, the sum of Twenty-Five Dollars (\$25) for each worker employed by  
11 Consultant or any subcontractor for each calendar day such worker is required or permitted  
12 to work more than eight (8) hours unless that worker receives compensation in accordance  
13 with Section 1815.

14           17. DEPARTMENT OF INDUSTRIAL RELATIONS COMPLIANCE.  
15 Consultant is advised that this work constitutes a public work of improvement subject to  
16 California Labor Code Division 2, Part 7, Chapter 1, Articles 1-5, §§1720-1861. Pursuant  
17 to Labor Code Section 1771.1. Consultant or subcontractors shall not be qualified to bid  
18 on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public  
19 contract Code, or engage in the performance of any contract for public work, as defined in  
20 the California Labor Code, unless currently registered and qualified to perform public work  
21 pursuant to Section 1725.5. Contract (or associated subcontracts) shall not be entered into  
22 without proof of the Consultant's (or subcontractor's) current registration to perform public  
23 work pursuant to Section 1725.5. All work conducted in support of this public work of  
24 improvement is subject to compliance monitoring and enforcement by the Department of  
25 Industrial Relations. Consultant will abide by all applicable apprenticeship requirements in  
26 the California Labor Code Section 1777.5 and will be responsible for subcontractor  
27 apprenticeship compliance to the same.

28           18. PREVAILING WAGE RATES. Consultant is directed to pay the

1 general rate of per diem wages for each craft, classification, or type of worker needed to  
2 execute the contract (prevailing wage rates). Copies of the current prevailing rate of per  
3 diem wages are on file at its principal office (Labor Compliance Division, 411 W. Ocean  
4 Boulevard, 6th Floor, Long Beach, California, 90802), and shall be made available to any  
5 interested party upon request. Consultant is required to post a copy of the determination  
6 of the director of the prevailing rate of per diem wages at each job site. Pursuant to Section  
7 1775, Consultant shall forfeit, as a penalty to the City, up to Two Hundred Dollars (\$200)  
8 for each laborer, worker or mechanic employed for each calendar day, or portion thereof,  
9 that such laborer, worker or mechanic is paid less than the prevailing wage rates for any  
10 work done by Consultant, or any subcontractor, under this Contract. The difference  
11 between the prevailing wage rates and the amount paid to each worker for each calendar  
12 day or portion thereof for which each worker was paid less than the prevailing wage rate  
13 shall be paid to each worker by the Consultant or subcontractor.

14 19. CERTIFIED PAYROLL RECORDS.

15 A. Pursuant to the provisions of Labor Code Section 1776,  
16 Consultant shall keep and shall cause each subcontractor performing any portion of  
17 the work under this Contract to keep an accurate payroll record, showing the name,  
18 address, social security number, work classification, straight time and overtime  
19 hours worked each day and week, and the actual per diem wages paid to each  
20 journeyman, apprentice, worker, or other employee employed by Consultant or  
21 subcontractor in connection with the work. Such payroll records for Consultant and  
22 all subcontractors shall be certified and shall be available for inspection at all  
23 reasonable hours at the principal office of Consultant pursuant to the provisions of  
24 Section 1776 of the Labor Code. Consultant's failure to furnish such records to City  
25 or City's authorized Labor Compliance representative in the manner provided herein  
26 for notices shall entitle City to withhold the penalty prescribed by law from progress  
27 payments due to Consultant.

28 B. Consultant shall submit to the City certified payroll records for

1 Consultant and all subcontractors performing any portion of the work under this  
2 Contract on a monthly basis. Certified payroll records for Consultant and all  
3 subcontractors shall be maintained during the course of the work and shall be kept  
4 by Consultant for up to three (3) years after completion of the work.

5 C. The foregoing is in addition to, and not in lieu of, any other  
6 requirements or obligations established and imposed by any department of the City  
7 with regard to submission and retention of certified payroll records for Consultant  
8 and subcontractors

9 20. ENTIRE AGREEMENT. This Agreement, including all Exhibits,  
10 constitutes the entire understanding between the parties and supersedes all other  
11 agreements, oral or written, with respect to the subject matter in this Agreement.

12 21. INDEMNITY.

13 A. Consultant shall indemnify, protect and hold harmless City, its  
14 Boards, Commissions, and their officials, employees and agents ("Indemnified  
15 Parties"), from and against any and all liability, claims, demands, damage, loss,  
16 obligations, causes of action, proceedings, awards, fines, judgments, penalties,  
17 costs and expenses, arising or alleged to have arisen, in whole or in part, out of or  
18 in connection with (1) Consultant's breach or failure to comply with any of its  
19 obligations contained in this Agreement, including any obligations arising from the  
20 Project's compliance with or failure to comply with applicable laws, including all  
21 applicable federal and state labor requirements including, without limitation, the  
22 requirements of California Labor Code section 1770 *et seq.* or (2) negligent or willful  
23 acts, errors, omissions or misrepresentations committed by Consultant, its officers,  
24 employees, agents, subcontractors, or anyone under Consultant's control, in the  
25 performance of work or services under this Agreement (collectively "Claims" or  
26 individually "Claim").

27 B. In addition to Consultant's duty to indemnify, Consultant shall  
28 have a separate and wholly independent duty to defend Indemnified Parties at

1 Consultant's expense by legal counsel approved by City, from and against all  
2 Claims, and shall continue this defense until the Claims are resolved, whether by  
3 settlement, judgment or otherwise. No finding or judgment of negligence, fault,  
4 breach, or the like on the part of Consultant shall be required for the duty to defend  
5 to arise. City shall notify Consultant of any Claim, shall tender the defense of the  
6 Claim to Consultant, and shall assist Consultant, as may be reasonably requested,  
7 in the defense.

8 C. If a court of competent jurisdiction determines that a Claim was  
9 caused by the sole negligence or willful misconduct of Indemnified Parties,  
10 Consultant's costs of defense and indemnity shall be (1) reimbursed in full if the  
11 court determines sole negligence by the Indemnified Parties, or (2) reduced by the  
12 percentage of willful misconduct attributed by the court to the Indemnified Parties.

13 D. The provisions of this Section shall survive the expiration or  
14 termination of this Agreement.

15 22. AMBIGUITY. In the event of any conflict or ambiguity between this  
16 Agreement and any Exhibit, the provisions of this Agreement shall govern.

17 23. FORCE MAJEURE. If any party fails to perform its obligations  
18 because of strikes, lockouts, labor disputes, embargoes, acts of God, inability to obtain  
19 labor or materials or reasonable substitutes for labor materials, governmental restrictions,  
20 governmental regulations, governmental controls, judicial orders, enemy or hostile  
21 governmental action, pandemic, civil commotion, fire or other casualty, or other causes  
22 beyond the reasonable control of the party obligated to perform, then that party's  
23 performance will be excused for a period equal to the period of such cause for failure to  
24 perform.

25 24. NONDISCRIMINATION.

26 A. In connection with performance of this Agreement and subject  
27 to applicable rules and regulations, Consultant shall not discriminate against any  
28 employee or applicant for employment because of race, religion, national origin,

1 color, age, sex, sexual orientation, gender identity, AIDS, HIV status, handicap or  
2 disability. Consultant shall ensure that applicants are employed, and that  
3 employees are treated during their employment, without regard to these bases.  
4 These actions shall include, but not be limited to, the following: employment,  
5 upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or  
6 termination; rates of pay or other forms of compensation; and selection for training,  
7 including apprenticeship.

8 B. It is the policy of City to encourage the participation of  
9 Disadvantaged, Minority and Women-Owned Business Enterprises in City's  
10 procurement process, and Consultant agrees to use its best efforts to carry out this  
11 policy in its use of subconsultants and contractors to the fullest extent consistent  
12 with the efficient performance of this Agreement. Consultant may rely on written  
13 representations by subconsultants and contractors regarding their status.  
14 Consultant shall report to City in May and in December or, in the case of short-term  
15 agreements, prior to invoicing for final payment, the names of all subconsultants  
16 and contractors hired by Consultant for this Project and information on whether or  
17 not they are a Disadvantaged, Minority or Women-Owned Business Enterprise, as  
18 defined in Section 8 of the Small Business Act (15 U.S.C. Sec. 637).

19 25. EQUAL BENEFITS ORDINANCE. Unless otherwise exempted in  
20 accordance with the provisions of the Ordinance, this Agreement is subject to the  
21 applicable provisions of the Equal Benefits Ordinance (EBO), section 2.73 et seq. of the  
22 Long Beach Municipal Code, as amended from time to time.

23 A. During the performance of this Agreement, the Consultant  
24 certifies and represents that the Consultant will comply with the EBO. The  
25 Consultant agrees to post the following statement in conspicuous places at its place  
26 of business available to employees and applicants for employment:

27 "During the performance of a contract with the City of Long Beach, the  
28 Consultant will provide equal benefits to employees with spouses and its

1 employees with domestic partners. Additional information about the City of  
2 Long Beach's Equal Benefits Ordinance may be obtained from the City of  
3 Long Beach Business Services Division at 562-570-6200."

4 B. The failure of the Consultant to comply with the EBO will be  
5 deemed to be a material breach of the Agreement by the City.

6 C. If the Consultant fails to comply with the EBO, the City may  
7 cancel, terminate or suspend the Agreement, in whole or in part, and monies due or  
8 to become due under the Agreement may be retained by the City. The City may  
9 also pursue any and all other remedies at law or in equity for any breach.

10 D. Failure to comply with the EBO may be used as evidence  
11 against the Consultant in actions taken pursuant to the provisions of Long Beach  
12 Municipal Code 2.93 et seq., Contractor Responsibility.

13 E. If the City determines that the Consultant has set up or used its  
14 contracting entity for the purpose of evading the intent of the EBO, the City may  
15 terminate the Agreement on behalf of the City. Violation of this provision may be  
16 used as evidence against the Consultant in actions taken pursuant to the provisions  
17 of Long Beach Municipal Code Section 2.93 et seq., Contractor Responsibility.

18 26. NOTICES. Any notice or approval required by this Agreement shall  
19 be in writing and personally delivered or deposited in the U.S. Postal Service, first class,  
20 postage prepaid, addressed to Consultant at the address first stated above, and to City at  
21 411 West Ocean Boulevard, Long Beach, California 90802, Attn: City Manager, with a copy  
22 to the City Engineer at the same address. Notice of change of address shall be given in  
23 the same manner as stated for other notices. Notice shall be deemed given on the date  
24 deposited in the mail or on the date personal delivery is made, whichever occurs first.

25 27. COPYRIGHTS AND PATENT RIGHTS.

26 A. Consultant shall place the following copyright protection on all  
27 Data: © City of Long Beach, California \_\_\_\_\_, inserting the appropriate year.

28 B. City reserves the exclusive right to seek and obtain a patent or

1 copyright registration on any Data or other result arising from Consultant's  
2 performance of this Agreement. By executing this Agreement, Consultant assigns  
3 any ownership interest Consultant may have in the Data to City.

4 C. Consultant warrants that the Data does not violate or infringe  
5 any patent, copyright, trade secret or other proprietary right of any other party.  
6 Consultant agrees to and shall protect, defend, indemnify and hold City, its officials  
7 and employees harmless from any and all claims, demands, damages, loss, liability,  
8 causes of action, costs or expenses (including reasonable attorney's fees) whether  
9 or not reduced to judgment, arising from any breach or alleged breach of this  
10 warranty.

11 28. COVENANT AGAINST CONTINGENT FEES. Consultant warrants  
12 that Consultant has not employed or retained any entity or person to solicit or obtain this  
13 Agreement and that Consultant has not paid or agreed to pay any entity or person any fee,  
14 commission or other monies based on or from the award of this Agreement. If Consultant  
15 breaches this warranty, City shall have the right to terminate this Agreement immediately  
16 notwithstanding the provisions of Section 10 or, in its discretion, to deduct from payments  
17 due under this Agreement or otherwise recover the full amount of the fee, commission or  
18 other monies.

19 29. WAIVER. The acceptance of any services or the payment of any  
20 money by City shall not operate as a waiver of any provision of this Agreement or of any  
21 right to damages or indemnity stated in this Agreement. The waiver of any breach of this  
22 Agreement shall not constitute a waiver of any other or subsequent breach of this  
23 Agreement.

24 30. CONTINUATION. Termination or expiration of this Agreement shall  
25 not affect rights or liabilities of the parties which accrued pursuant to Sections 7, 10, 11,  
26 17, 19, 22 and 28 prior to termination or expiration of this Agreement.

27 31. TAX REPORTING. As required by federal and state law, City is  
28 obligated to and will report the payment of compensation to Consultant on Form 1099-



1 Misc. Consultant shall be solely responsible for payment of all federal and state taxes  
2 resulting from payments under this Agreement. Consultant shall submit Consultant's  
3 Employer Identification Number (EIN), or Consultant's Social Security Number if  
4 Consultant does not have an EIN, in writing to City's Accounts Payable, Department of  
5 Financial Management. Consultant acknowledges and agrees that City has no obligation  
6 to pay Consultant until Consultant provides one of these numbers.

7 32. ADVERTISING. Consultant shall not use the name of City, its officials  
8 or employees in any advertising or solicitation for business or as a reference, without the  
9 prior approval of the City Manager or designee.

10 33. AUDIT. City shall have the right at all reasonable times during the  
11 term of this Agreement and for a period of five (5) years after termination or expiration of  
12 this Agreement to examine, audit, inspect, review, extract information from and copy all  
13 books, records, accounts and other documents of Consultant relating to this Agreement.

14 34. THIRD PARTY BENEFICIARY. This Agreement is not intended or  
15 designed to or entered for the purpose of creating any benefit or right for any person or  
16 entity of any kind that is not a party to this Agreement.

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1 IN WITNESS WHEREOF, the parties have caused this document to be duly  
2 executed with all formalities required by law as of the date first stated above.

3 PACIFIC COAST CABLING, INC. DBA  
4 PCC NETWORK SOLUTIONS, a California  
5 corporation

6 May 11, 2021

By [Signature]  
7 Name Richard Harris  
8 Title Principal

9 May 11, 2021

By [Signature]  
10 Name James Wilmington  
11 Title Principal

12 "Consultant"

13 CITY OF LONG BEACH, a municipal  
14 corporation

15 May 20, 2021

By [Signature]  
16 City Manager

17 "City"

18 EXECUTED PURSUANT  
19 TO SECTION 301 OF  
20 THE CITY CHARTER

21 This Agreement is approved as to form on May 20, 2021.

22 CHARLES PARKIN, City Attorney

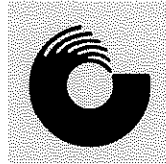
23 By [Signature]  
24 Deputy

25 OFFICE OF THE CITY ATTORNEY  
26 CHARLES PARKIN, City Attorney  
27 411 West Ocean Boulevard, 9th Floor  
28 Long Beach, CA 90802-4664

# EXHIBIT “A”

## Scope of Work

# Part One



**PCC Network Solutions**

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## **NARRATIVE/TECHNICAL PROPOSAL**

**Signed RFP Cover Page  
Plan of Operations  
Company Qualifications  
Manufacturer Certifications  
Personnel Resumes  
Client References  
Sample Floor Plan**



City of Long Beach  
 Purchasing Division  
 411 West Ocean Boulevard, 6<sup>th</sup> Floor  
 Long Beach, CA 90802

**City of Long Beach**  
**Request For Proposals Number TI21-008**  
**For**  
**City-wide Fiber Optic Indoor Cabling**

Release Date:	October 29, 2020
Mandatory Pre-Proposal Meeting:	November 17, 2020
Questions Due to the City:	December 02, 2020
Posting of the Q & A:	December 10, 2020
Due Date:	December 23, 2020

*City Contact: Tina Schaper, Buyer I 562-570-7082*

**See Section 4 for instructions on submitting proposals.**

Company Name Pacific Coast Cabling, Inc. dba PCC Network Solutions Contact Person Richard J. Harris

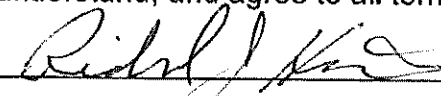
Address 20717 Prairie Street City Chatsworth State CA Zip 91311

Telephone (818) 534-1102 Fax (818) 407-1913 Federal Tax ID No. [REDACTED]

E-mail: rharris@pccinc.com

Prices contained in this proposal are subject to acceptance within 60 calendar days.

I have read, understand, and agree to all terms and conditions herein. Date 12/23/2020

Signed 

Print Name & Title Richard J. Harris, Principal/CSO

Rev 2016 0919



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## Plan of Operations

### Solution

PCC Network Solutions (Contractor) shall furnish, install, trace, troubleshoot, document and/or certify data and phone network structured cabling systems, including Category 6/6A cabling, fiber optic cabling, splicing, wall jacks, cabling racks and terminations, and cable management solutions.

All work shall conform to the City of Long Beach Telecommunication, ICT, and SCS Infrastructure Specification.

As a long standing trained and certified contractor for Commscope Systimax and Corning Optical Communications, the covered work will be backed by the respective manufacturer's 25-year manufacturer product and application warranty. All other products are provided a 1-year warranty.

### PCC Network Solutions Team

Principal, Chief Operating Officer & Project Executive - James Wilmington

Regional Operations Manager - Mike Barnes

Technical and Safety Trainer - Luigi Pirro

Project Engineer/Project Manager - Greg Amy, RCDD; Layne Coley, RCDD; David Franco, RCDD

Project Manager - Craig Stevens, Marcos Perez, Gilbert Renteria, Eric Siritto

### Subcontractors

No Subcontractors shall be used for this work.

### Schedule

TBD. Work shall be performed on an as needed basis.

## Project Specifications

### A. General Requirements

1. Contractor shall ensure that all equipment, materials, supplies, and consumables meet or exceed all applicable manufacturers' published specifications and industry standards for the required work.
2. Contractor shall use only brand new, factory-sealed products unless City Technology and Innovation Department Manager or designee authorizes otherwise.
3. Please note that detailed product requirements are stated throughout the Specifications and Scope of Work section.

### B. Safety Requirements

1. General Requirements



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1) Please note that it is the Contractor's responsibility to be fully self-informed regarding all legal and industry standard requirements regarding all applicable safety requirements enforce at the time of work being done.

2) Contractor shall exercise all necessary and reasonable precautions regarding safety of persons and property in performance of the contract requirements and while on site.

### **2. Firestops Requirements**

1) Prior to installing the firestop, and in coordination with the ISM, Contractor shall develop a drawing of all proposed firestops, clearly identifying all components that would breach the firestop.

2) Contractor shall ensure that the appropriate firestop system is installed according to the manufacturer's specifications and all legal requirements.

3) Contractor shall seal all partial or complete penetrations through any fire-rated building structures including walls, floors, and ceilings with an appropriate firestop system.

4) Contractor shall ensure that all penetrating items including without limitation: riser slots and sleeves, cables, conduit, cable tray, and raceways, etc. are properly fire-stopped.

5) The fire-stopping shall meet the requirements of the National Electric Code, and all Federal, State, and local codes. In the event of conflict, the more stringent fire-stopping requirement shall prevail.

6) Contractor shall remedy, at contractor's sole expense, any defective installed firestop systems to the satisfaction of the City's inspector.

### **C. Environmental Requirements**

1. Contractor shall comply with all current applicable local, state, and federal requirements.

2. Contractor shall transport, store, apply, and dispose of hazardous materials as required by law.

3. Contractor shall ensure that all appropriate measures are taken to fully protect all persons and adjacent areas before, during, and after work including that are in, near, or within possible sphere that could be affected by work.

4. Contractor shall remove from the work site and properly dispose of all spent materials, hazardous materials, debris, and the like on a daily basis. Do NOT accumulate waste materials unless City Technology and Innovation Department Manager or designee authorizes otherwise.

5. Contractor shall not reuse any removed materials unless City Technology and Innovation Department Manager or designee authorizes otherwise.

6. Contractor shall contain, containerize where applicable, and minimize or eliminate wastes, spills, residues, hazardous materials, and fumes at the jobsite.

### **D. Security Requirements**

1. Contractor shall not admit any unauthorized person into the work area.

2. Contractor shall furnish and wear identification at all times.

### **E. Protecting Areas**

1. Contractor shall protect all persons and property in, near, or within possible sphere of the work.

2. Contractor shall remove the protective materials immediately after the final work has been completed in a given project area.

3. Contractor shall be responsible for all work, materials, and equipment as they are under Contractor's care, custody, and control until project acceptance by City.

### **F. Damage Control**

1. Contractor shall protect materials, products, facilities, and the like from damage at all



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times.

2. Contractor shall make repairs, at Contractor's sole expense, for Contractor-attributed damages within 24 hours of the damage occurrence; contractor's failure to make repairs with time allowance, may cause City to affect repairs and charge back Contractor or deduct from invoices due, the repair costs, plus an administrative charge.

### **G. Delivering and Staging of Equipment and Materials**

1. Contractor shall deliver all materials in the original, unopened containers with the manufacturer's name, labels, product identification, and batch numbers.
2. Contractor shall remove damaged material from the site and replace immediately.
3. Contractor shall store, at Contractor's sole risk, materials, and equipment, needed for the project. Store all materials off the ground. Protect from rain, freezing or excessive heat.
4. Contractor shall stage material on the site to ensure uninterrupted progress of the work.
5. Contractor shall remove all materials, tools, and equipment immediately after work is completed.

### **H. Industry Standards and Applicable Documents**

1. The cabling system described in this specification is derived in part from the recommendations made in industry standard documents. The referenced documents below, or their latest revisions, are incorporated herein by reference.

- A) The Data Drop Specification, associated drawings
- B) ANSI/TIA/EIA-568-B, Commercial Building Telecommunications Cabling Standard
- C) TIA/TSB-140, Additional Guidelines For Field-Testing Length, Loss And Polarity Of Optical Fiber Cabling Systems
- D) ANSI/TIA/EIA 568-B.2-1, Performance Specification for 4-Pair 100 Ohm Category 6 Cabling
- E) ANSI/TIA/EIA-569-B, Commercial Building Standard for Telecommunications Pathways and Spaces
- F) ANSI/TIA/EIA-606-A, Administration Standard for the Telecommunications Infrastructure of Commercial Buildings
- G) ANSI/J-STD-607-A, Commercial Building Grounding (Earthing) and Bonding Requirements for Telecommunications
- H) Building Industries Consulting Services International (BICSI) Telecommunications Distribution Methods Manual (TDMM) - 10th edition
- I) National Fire Protection Agency (NFPA) - NFPA 70, National Electrical Code (NEC) - 2002

2. Please note, that in the event of a conflict between applicable documents, the order of the list above shall dictate the order of precedence in resolving conflicts.

3. Please note that in the event a conflict exists between this document and any of the documents listed above are in conflict, the more stringent requirement shall apply.

Contractor shall adhere to the most recent version available.

### **I. Site Conditions**

1. Please note that any given site's conditions will vary significantly from location to location, floor to floor, and time to time; various working conditions exist, but generally the areas are office spaces and may be occupied by City employees and the Public; environmental conditions will vary for each location.

2. Contractor shall inspect each site prior to providing subsequent quotations to ensure that you have factored in all of the requirements.

3. Contractor's submission of a bid constitutes acknowledgment of the site conditions requirements and that you have incorporated this condition into your bid.





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4. Installation equipment, materials, and product will ONLY be allowed to be kept in specified areas. Hallways, office areas lobbies etc. are not suitable for storage and the City will NOT be held liable for missing or stolen equipment.
5. Contractor will exercise reasonable care to avoid damaging City facilities and is responsible for timely repair of damage to City facilities due to carelessness of their workmen. The Contractor must immediately report to the City any damage to the facility that may exist or may occur during the occupancy of the quarters.
6. At the end of each shift or workday, Contractor will be required to remove trash, debris, spent reels, and all other refuse related to this installation and at a minimum broom clean work areas Contractors are to supply their own tools and equipment, especially brooms, dustpans, ladders etc. Upon completion of the work, the Contractor must remove all tools, equipment and rubbish and debris from the premises and must leave the premises clean and neat.
7. Contractor will obtain the City's permission before cutting into or through any part of the building structure such as beams, girders, concrete, or tile floors, partitions and ceilings.
8. Contractor must provide protection to prevent dust from migrating from the work area into other areas of the building e.g. provide a temporary structure/enclosure is to be erected to contain all indoor core-boring locations, for any work that will cause noticeable dust near work areas, e.g. indoor core-boring. Timely cleanup of debris related to boring is the responsibility of the contractor. Work area is to be cleaned and returned to an "as found" condition. This will include but not be limited to water control and abatement, floor washing, vacuuming, carpet cleaning, furniture dusting, furniture cleaning and furniture washing by a professional cleaning service as needed.

### **J. Working Days and Hours**

1. Contractor shall coordinate work schedules with the assigned City Technology and Innovation Department Manager or designee and perform work only during approved days and times.
2. Contractor shall perform the work on non-City holidays, Monday through Friday, 7:00 a.m. to 4:30 p.m.; contractor must vacate the premises by 5:00 p.m. each day; unless City requests otherwise.
3. Contractor shall perform the work, if City requires, during days and or times other than above at the same material costs, but at the overtime rates as indicated on the price sheet; contractor must vacate the premises as indicated by the City Technology and Innovation Department Manager or designee.
4. Contractor shall minimize interruptions to the City operations during work performance; perform work after-hours on holidays and/or weekends as-needed.
5. Contractor shall perform work, if City requires, during days and or times other than above, at the same material costs, including applicable overtime rates.

### **K. Special Safety Requirements**

1. Cutting, Boring, Grinding
  - A) Contractor must obtain City Technology and Innovation Department Manager or designee's permission before cutting, boring, or grinding any part of the building structure.
  - B) Contractor shall provide all required protection equipment and materials including but not limited to a temporary structure/enclosure to prevent dust migration into other areas of the building resulting from work performance.
  - C) Contractor shall ensure that all affected work areas are clean and returned to their pre-work condition.

### **L. Cabling**

1. Cabling shall include but not be limited to, cabling (e.g. CAT 6/6A, 25/50/100 pair voice cable etc.), patch panels, voice and data outlets, conduit, equipment racks and



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ladders, 66 and 110 punch down block, testing, labeling and documenting.

2. Contractor shall perform work in strict compliance with all applicable Project Specifications listed herein.

3. Contractor must adhere to any applicable Federal, State and Local laws, codes and regulations.

4. The City's buildings have a wide variation of ages and construction methods, so cable routes transition through various spaces such as, but not limited to, hard-lid and suspended ceilings, under floors, through walls of various construction. Cabling must be routed efficiently, but also neatly, using existing cable routes.

5. Contractor shall ensure that the allowable bend radius specified for Category 6/6A cable is not exceeded.

6. Contractor shall ensure that the allowable bend radius specified for Fiber Optic cabling/jumpers is not exceeded.

7. Contractor shall coil cable, as appropriate, in either the box at the termination point or the ceiling above or below the drop location.

8. Contractor shall maintain the cable jacket as close as reasonably possible to the termination point.

9. Contractor shall avoid cable splices unless absolutely necessary. City must give written approval for any splicing and reserves the right to reject any splicing request. If splicing is allowed, Contractor will ensure that any required cable splices are in accessible locations and housed in an enclosure intended and suitable for the purpose.

10. Contractor shall support cable bundles with a J-hook or trapeze system for all horizontal cables at four foot intervals maximum using Stiffy or Pencil rods; ensure that cables do not rest on acoustic ceiling grids or panels.

11. Contractor shall ensure that cable is installed above all fire sprinklers; not attached to any ancillary equipment or hardware; does not interfere with any valves, fire alarm conduit, boxes, or other control devices; is not attached to ceiling grid or lighting support wires.

12. Contractor shall install clips to properly support the cabling.

13. Contractor shall provide Ten-foot (10') cat 6 patch cables for each workstation And 3 ft. cat 6A for AP's

14. Contractor shall provide cross-connect cables between patch panels and network equipment, divide total numbers of cables pulled into three (3) different lengths. Two-foot (2') patch cables, Three-foot (3') patch cables and Four-foot (4') CommScope low density patch cables.

15. Contractor shall ensure that 4" minimum diameter conduits are used in all closets. If a different size conduit is needed the vendor must give written request to the City and the City reserves the right to reject any request.

16. Contractor shall ensure that all data backbone conduits are located adjacent to the racks.

17. Contractor shall ensure that all voice conduits are located adjacent to the voice termination fields.

18. Contractor shall provide ladders and wall mount management rings to ensure proper support and dress cables from conduits to racks and frames.

19. Contractor shall not exceed the recommended pulling tension of the cable manufacturer. Any cable that exhibits evidence of cuts, crimps, severe abrasions, and damage due to exceeding the manufacturer's specified pulling tension shall be replaced at the contractor's expense.

20. Contractor shall install, dress, and terminate all station cabling in a professional manner, using practices of good craftsmanship.

21. Where communications cabling must cross power cables/conduits, they shall cross at right angles (90-degrees) to the power runs. A 12-inch minimum separation between power cables/conduits and communications cabling shall be maintained when following the same route.



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22. Grounding of all equipment racks shall be installed in accordance with all manufacturer's specifications and recommendations, the National Electrical Code, and accepted industry standards for grounding communications cable and ancillary devices.
23. All work must be approved and coordinated by the assigned City Technology and Innovation Department Manager or his/her designate. Any work that has a potential to disrupt normal City operations, shall be scheduled and performed so as to minimize work interruptions, including performing work after-hours on holidays and/or weekends.
24. Contractor must remove all old cabling from workstation back to communication room were the new cabling is installed.

### **M. Material**

1. Copper: Furnish only SYSTIMAX GigaSpeed XL 2071e category 6 plenum rated Gray for data and Blue for voice cabling and SYSTIMAX GigaSpeed X10D category 6A for Access Points (WIFI) for use on this procurement; there are NO substitutions on this procurement and NO alternate bids will be considered. See parts list, Section 7(M)(8).
2. Fiber: Shall include but not be limited to Corning ALTOS Fast Access Tight-Buffered cable plenum (Indoor), ALTOS Fast Access Tight/Loose-Buffered Cable (Outdoor) or 12 SM STRAND FREEDOM ONE OSP for use on this procurement. Suitable equivalent fiber cables manufacturers are acceptable at the City's discretion and must be approved.
3. City will accept only first quality "New" equipment and materials for installation under this bid. Equipment and materials must not be used, pre-owned, returned, remanufactured, reconditioned or have had its serial numbers registered as sold to a previous customer or vendor. The City reserves the right to verify origin and condition of all equipment and materials at any time.
4. Contractor shall furnish connectivity items including without limitation modular jacks, inserts, splices, modular patch panels, and the like, which are fully compatible with and meet or better than manufactures listed above specifications and warranty requirements.
5. Contractor shall furnish all other components required to complete the project that meet or better than manufactures listed above requirements to ensure that the warranty is not voided and is intact.
6. Contractor shall bid all or none (no exclusions).
7. If awarded, when providing quotes on actual jobs, if items are not listed on the Bid Line Items, Contractor shall show manufacturer's list price, so we can apply your quoted discount and calculate item price to the City. Pricing should include consumables, such as screws, washers, etc. necessary to complete the requirements of the given jobs, in all subsequent quotations.
8. Parts list  
The contractor shall provide electrical, telecommunications, security, networking, energy management, and lighting products. This includes, but is not limited to, the parts identified on the list below:



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MATERIAL DESCRIPTION	MAN	PART NO.
2071e CAT6 BLUE CMP	SYSTEMAX	700208093
1071e CAT6 BLUE CMR	SYSTEMAX	760004689
1571 BK4 CAT6 OSP BLACK	SYSTEMAX	760008888
CAT 6 INSERT ORANGE	SYSTEMAX	700206683
CAT 6 INSERT BLUE	SYSTEMAX	700206758
CAT 6 INSERT GRAY	SYSTEMAX	700206733
4 PORT FACE PLATE	SYSTEMAX	108168543
2 PORT SMB WHITE	SYSTEMAX	107984056
3 PORT FURNITURE PLATE WHITE	SYSTEMAX	106650898
WHITE BLANK INSERTS 100 PK	SYSTEMAX	107067928
24 PORT PATCH PANEL CAT6 ANGLED	SYSTEMAX	760151308
48 PORT PATCH PANEL CAT6 ANGLED	SYSTEMAX	760151753
12 PORT WALL MOUNTED CAT6 PP	UNIPRISE	760183079
2U WALL MOUNTED BRACKET	LEVITON	49251-W62
CAT6 PATCH CORD 3 FOOT BLUE	SYSTEMAX	CPC3312-0ZF003
CAT6 PATCH CORD 5 FOOT BLUE	SYSTEMAX	CPC3312-0ZF005
CAT6 PATCH CORD 7 FOOT BLUE	SYSTEMAX	CPC3312-0ZF007
CAT6 PATCH CORD 9 FOOT BLUE	SYSTEMAX	CPC3312-0ZF009
CAT6 RDC PATCH CORD 3 FOOT BLUE	SYSTEMAX	CO166S2-0ZF003
CAT6 RDC PATCH CORD 5 FOOT BLUE	SYSTEMAX	CO166S2-0ZF005
CAT6 RDC PATCH CORD 7 FOOT BLUE	SYSTEMAX	CO166S2-0ZF007
CAT6 RDC PATCH CORD 9 FOOT BLUE	SYSTEMAX	CO166S2-0ZF009
2091 CAT6AA22:F53 CABLE CMP BLUE	SYSTEMAX	760107201
1091 CAT6A CABLE CMR BLUE	SYSTEMAX	760107094
CAT6A CABLE OSP BLACK	SYSTEMAX	760178129
6A INSERT ORANGE	SYSTEMAX	760092379
24 PORT INSERT STYLE PATCH PANEL ANGLED	SYSTEMAX	760151290
CAT6A PATCH CORD 3 FOOT BLUE	SYSTEMAX	CPCSSX2-0ZF003
CAT6A PATCH CORD 5 FOOT BLUE	SYSTEMAX	CPCSSX2-0ZF005
CAT6A PATCH CORD 7 FOOT BLUE	SYSTEMAX	CPCSSX2-0ZF007
CAT6A PATCH CORD 9 FOOT BLUE	SYSTEMAX	CPCSSX2-0ZF009
CAT6A RDC PATCH CORD 3 FOOT BLUE	SYSTEMAX	CO199K2-0ZF003



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MATERIAL DESCRIPTION	MAN	PART NO.
CAT6A RDC PATCH CORD 5 FOOT BLUE	SYSTIMAX	CO199K2-0ZF005
CAT6A RDC PATCH CORD 7 FOOT BLUE	SYSTIMAX	CO199K2-0ZF007
CAT6A RDC PATCH CORD 9 FOOT BLUE	SYSTIMAX	CO199K2-0ZF009
25 PAIR CMP	SYSTIMAX	760103044
25 PAIR CMR	SYSTIMAX	760182907
25 PAIR OSP	ESSEX	51-499-EL
24 PORT CAT5E PATCH PANEL ANGLED	SYSTIMAX	760056580
CAT5E PATCH CORD 3 FOOT BLUE	SYSTIMAX	CPC6642-0ZF003
CAT5E PATCH CORD 5 FOOT BLUE	SYSTIMAX	CPC6642-0ZF005
CAT5E PATCH CORD 7 FOOT BLUE	SYSTIMAX	CPC6642-0ZF007
CAT5E PATCH CORD 9 FOOT BLUE	SYSTIMAX	CPC6642-0ZF009
WALL RACK 24X24X19	CPI	11790-725
WALL RACK 36X24X19	CPI	11791-725
2 POST RACK	CPI	55053-703
4 POST RACK	CPI	15215-703
6 INCH DBLE SIDED VERT. MAN	CPI	35521-703
2U WIRE MANAGER	CPI	35441-702
12 INCH LADDER RACK	CPI	10250-712
12 STRAND SM ALTOS Fast Access PLENUM	CORNING	012ZU4-T4F22D20
24 STRAND SM ALTOS Fast Access PLENUM	CORNING	024ZU4-T4F22D20
48 STRAND SM ALTOS Fast Access PLENUM	CORNING	048ZU4-T4F22D20
WALL MOUNT FIBER PANEL	CORNING	WCH-02P
1U RACK MOUNT FIBER PANEL	CORNING	CCH-01U
4U RACK MOUNT FIBER PANEL	CORNING	CCH-04U
12 PORT SM COUPLER PANEL	CORNING	CCH-CP12-A9
24 PORT SM COUPLER PANEL	CORNING	CCH-CP24-A9
LC SM CONNECTOR	CORNING	95-200-99
LC/LC SM PATCH CORD 2 METER DUPLEX	CORNING	040402R5120002M
LC/LC SM PATCH CORD 3 METER DUPLEX	CORNING	040402R5120003M
LD5 8 FOOT STICK	PANDUIT	LD5WH8-A
LD5 RIGHT ANGLE FITTING	PANDUIT	RAFC5WH-X
LD5 INSIDE CORNER	PANDUIT	ICFC5WH-X
LD5 COUPLER	PANDUIT	CFX5WH-X
LD5 ENTRANCE FITTING	PANDUIT	DCF5WH-X
MISC. HARDWARE, HANGERS, SUPPORTS	Include on Separate Attachment	Include on Separate Attachment

**N. Terminating**

1. Contractor shall terminate the connections all work areas, other than the Communications room, with Category 6/6A, RJ45 modular inserts that have data



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inserts that are Orange in color and the voice inserts that are Blue in color.

2. Contractor shall ensure that the inserts are placed in a 4 or 6 -port white faceplate for hard wall installations and in surface-mounted boxes attached to the bottom of the kick plate for workstation installations.

3. Contractor shall terminate the Category 6 cable, in the Communications room, on the new 48-port patch panels, Category 6A cable, in the Communications room, on the new 24 PORT INSERT STYLE PATCH PANEL ANGLED

### **O. Labeling**

1. Contractor shall adhere to existing labeling scheme, or if none, develop a labeling scheme, with unique identifiers for each cable in the system, in coordination with the assigned City Technology and Innovation Department Manager or designee, clearly identifying all components of the system including without limitation: the faceplates, patch panels, blocks, and cables according to the corresponding jack number and labeling scheme.

2. Contractor shall implement the labeling scheme without deviation; bring any unavoidable deviations to the attention of the ISM for consideration.

3. Contractor shall utilize a P-Touch printed labeling system or equivalent.

4. Contractor shall update the labeling scheme as changes are made.

5. Contractor shall ensure that the labeling scheme is documented according to the Documentation section below.

### **P. Testing**

1. Test Equipment:

A) Contractor must ensure that all test equipment meets or better the cable manufacturer's requirements and is approved by the ISM prior to use.

B) Contractor must ensure that all calibrations of the test equipment are up-to-date prior to use.

C) Contractor must ensure that all persons utilizing the test equipment are fully trained on its use.

2. Testing:

A) Contractor must test all installed components according to the cable manufacturer's requirements and approved by the ISM.

B) All Category 6/6A station cables shall be tested and certified for compliance with the proposed standards for EIA/TIA Category-6 cabling.

C) Contractor must retest any failures of tests at contractor's sole expense.

D) Any cable failing shall be replaced at Contractor's expense.

E) Please note: payment will be withheld until all components have passed all tests satisfactorily.

F) Contractor shall provide a printed or electronic copy of the test results of the newly installed category 6/6A and Fiber cables and termination points to the ISM or designee within two business days after the tests have been completed. The test results shall include the following minimum tests:

1) Date of test.

2) Length

3) Propagation Delay

4) Delay Skew

5) Impedance

6) Attenuation

7) Tester manufacturer, model, serial number, hardware and software versions

8) Insertion Loss

9) Pair-to-Pair Near End Crosstalk (NEXT)

10) Power Sum Near End Crosstalk (PSNEXT)

11) Equal Level Far End Crosstalk (ELFEXT)



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- 12) Power sum Equal Level Far End Crosstalk (PSELFEXT)
- 13) Return Loss
- 14) Shield Continuity
- 15) The most up-to-date requirements as promulgated
- 16) Db loss

G) Please note that a PASS test is considered 100% passing all testing requirements and a FAIL test is considered anything less than 100%. City reserves the right to observe any part of the cabling process, including testing of cabling.

H) Please note that all test results must ultimately pass to the satisfaction of all pending warranty requirements.

### **Q. Documenting**

1. Contractor must upload electronic versions of the documentation for this RFP to PlanetBids, in PDF format that:

A) Contractor must include major heading tabs: Test Calibration.

B) Contractor must include sections with the major heading tabs: by test types.

C) Contractor must ensure that the failed tests and the related pass tests are in succession.

D) Contractor must provide documentation of the test equipment used by name, manufacturer, model number, last calibration date.

E) Contractor must use PDF format or other requested format.

F) Contractor must provide the documentation within three calendar weeks after the completion of the project for review by the ISM.

G) Contractor must provide and upload subsequent documentation updates (annotate version and date) for a given project by a means acceptable to the ISM.

2. Contractor must provide the documentation within three calendar weeks after the completion of the project for review by ISM.

### **R. Drawings**

1. Contractor shall develop a central drawing set to be uploaded in PlanetBids for this RFP in CAD, VISIO, PDF or other requested format, with unique identifiers for each cable in the system, in coordination with the Information Systems Manager (ISM) or designee clearly identifying all components of the system including without limitation: the faceplates, patch panels, blocks, and cables according to the corresponding jack number and labeling scheme.

2. Contractor shall upload a central drawing set at the conclusion of each project in PDF or other requested format.

3. Contractor shall depict the as-built status of the system in the drawings.

4. Contractor shall update the drawings as changes are made - include Version and Date details.

5. Contractor shall ensure that the most up-to-date labeling scheme is incorporated into the drawings.

6. Contractor shall include narratives describing any areas of difficulty encountered during the installation that could potentially cause problems to the telecommunications systems or other components.

## **Statement of Work (Exhibit A-Sample Project Proposal)**

- 1. Furnish and install sixty (60) dual outlets with two (2) CommScope SYSTIMAX Category 6 cabling.
- 2. Furnish and install five (5) dual AP drops with two (2) CommScope SYSTIMAX Category 6A cabling.



## PCC Network Solutions

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3. Furnish and install a 25-pair CAT 5E cable to be terminated at DEMARC back board with M1 66 block split-50.
  - a. Terminate the other end on a 24-port CAT 5E patch panel, with the last 2 pairs terminated on 24th port in a T1 configuration (Violet/Brown and Violet/Slate).
4. Furnish and install (2) CAT 6A cable to be terminated at DEMARC back board on a surface-mount jack.
  - a. Terminate the other end to the 24-port unloaded CAT 6A angled patch panel.
5. Furnish and install one (1) new 4-post CPI cabinet with the following:
  - a. Cable Management:
    - i. CPI 6-inch double sided vertical
  - b. Patch Panels:
    - i. (3) 48-port angled CAT 6
    - ii. (1) 24-port, unloaded, angled CAT 6A
    - iii. Provide (60) reduced diameter patch cords
      1. (25) 4'
      2. (25) 5'
      3. (10) 7'
  - c. Include (60) 10' CAT6 patch cords for end devices
  - d. (1) APC Smart-UPS 1500VA - network cable installed
  - e. (1) APC AP7800B PDU
6. Furnish and install ladder rack & supports as designed in the plan.
7. Terminate all cable runs back to the MDF/IDF.
8. Furnish and install a 4-post rack
  - a. Cables shall be installed in the plenum above the drop ceiling and run to the equipment rack
9. At the station end, the cables shall be:
  - a. Terminated on Gray and Blue inserts (Category 6 or 6A as required)
  - b. Installed with white faceplates
    - i. SMB for Wireless drops, as per existing conditions.
10. All cables shall be tested and labeled per The City of Long Beach Telecommunications Specification.
11. Mount and connect customer-provided Cisco AP at each AP location.
12. Fire Stop Rated Penetrations.
13. Per addendum #2 Q-34 and per RFP NO. TI21-088.7.M (page 81), furnish and install 12-strand OS2 from DEMARC to IDF. Type and strand count not provided in addendum #2.
14. Per addendum #2 Q-31 furnish and install (1) RG-6 coax cable to all TV locations.
15. Test all copper and fiber optic cables per City standards.
16. Copper and fiber optic patch cords are installed by others.
17. Provided part number 760056580 has been discontinued and replaced with 760182923 - SYSTIMAX 24 PORT CAT5E PATCH PANEL ANGLED.

## Pre-Construction

Coordinate a Kick-Off meeting with the City of Long Beach Project Team (COLBPT) to confirm current design, scheduling, security and logistics details surrounding the project and to obtain the latest CD's.

Identify storage space.

Perform constructability review of CD's.

- Existing Conditions





## **PCC Network Solutions**

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- Location of all network outlets
- Outlet Box and Conduits
- Termination points in racks
- Pathways

Provide Value Engineering alternatives.

Attend weekly meetings with COLBPT.

Develop a Schedule for the duration of the Project.

Draft Site Safety Plan

## **Construction**

- Maintain the Schedule through the duration of the project.
- Conduct weekly project progress meetings with COLBPT.
- The majority of the work shall be performed Monday through Friday from 7:00 a.m. to 3:30 p.m., excluding Company observed Holidays.
- Furnish and install a Structured Cabling System in support of the CD's.
- Clean the work area at the end of each shift.
- Follow Safety Plan. Wear all required PPE's. Hold & Document Weekly Tailgate Safety Meetings.
- Furnish Close-Out Documentation, including As Built Drawings, Test Reports, Patch Matrix and Warranty Certificates.



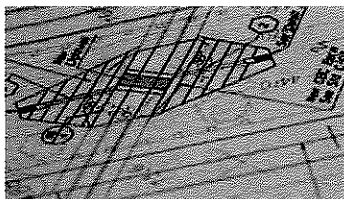
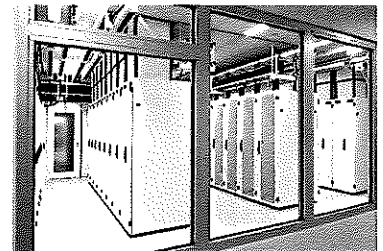
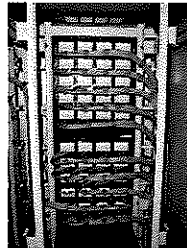
## Company Background

### PCC Network Solutions – Statement of Qualifications

#### About PCC

Whether you're building your new headquarters from the ground up, moving to a brand new facility, or simply making some changes to your existing layout (MAC), your infrastructure is affected. PCC Network Solutions is here to help. We strive to be a consultative business partner; designing, building, and delivering low voltage cabling infrastructure solutions made up of copper and fiber cabling and connectivity apparatus supporting:

- Voice/Data
- Data Center Build-Out
- Telecommunication Room/Cable Management
- Cabling Rehabilitation
- Wireless
- Sound Management
- Paging
- Intelligent Lighting
- Video Surveillance
- Access Control
- Distributed Antenna Systems (DAS)
- Audio Visual



#### Our Design & Engineering Services Includes

- Site Survey
- Documentation
- Audit Services

PCC is perfectly structured to serve large clients with multiple facilities or campus environments situated in major cities across the United States. PCC is expert at coordinating multiple projects simultaneously while delivering very significant cost savings

#### Company Ownership

PCC Network Solutions (Pacific Coast Cabling) was founded in 1985 and is a privately owned and managed corporation, incorporated in California on 12/27/1987. We are headquartered in Chatsworth, CA employing 90 full-time employees with 5 living in Long Beach, CA. We also maintain a branch office at 2031 E. Cerritos Ave, Unit C, Anaheim, CA and licensed operations in Arizona and Texas to help in supporting customers nationwide. Our Chatsworth and Anaheim locations will service all California accounts, with employees from our Anaheim office being assigned to the City of Long Beach.

## Main Point of Contact

If awarded this contract, your Main Point of Contact will be your Project Manager. As it stands today, that person will be one of the following highly-qualified individuals (Resumes included):

Craig Stevens

2031 E. Cerritos Ave., Unit C

Anaheim, CA 92806

714-412-8675

[cstevens@pccinc.com](mailto:cstevens@pccinc.com)

Marcos Perez

2031 E. Cerritos Ave., Unit C

Anaheim, CA 92806

714-412-9990

[mperez@pccinc.com](mailto:mperez@pccinc.com)

## PCC Qualifications

PCC is a Corporate Member of BICSI (Building Industry Consulting Services International). As well as having RCDD's (Registered Communications Distribution Design) on staff, PCC provides BICSI certified installers and technicians in the field for our customers. In addition, installers and technicians have several manufacturer-specific certifications allowing PCC to offer extended manufacturer warranties in addition to our Workmanship Warranty.

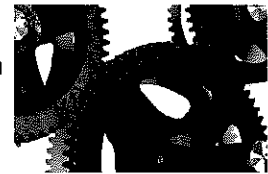
## PCC Qualifications

PCC has been providing these services, as described in your RFP, to the public and private sector since 1985. Included with our response are several client references.

Numerous factors must be considered when executing a project. General contractors have a schedule, subcontractors have another schedule, and clients have their deadlines. We can design, build, and deliver a complete turn-key solution or service, or fit somewhere in between all the nuts and bolts of construction.

To alleviate the headaches, PCC Network Solutions Service Triangle was created.

The Service Triangle is made up of the client, the PCC Network Solutions Project Manager, and the on-site Foreman to ensure consistent communication throughout the process.



## Qualifications

**Company Name:** Pacific Coast Cabling, Inc.

**DBA:** PCC Network Solutions

**Organization Type:** Corporation

**Corporate Headquarters:** 20717 Prairie Street Chatsworth CA 91311

**Phone Number:** 800.313.1911

**Fax Number:** 818.407.1913

**Business Started:** August 1, 1985

**Incorporated:** December 27, 1987

**Officers:** David S. Burr, CEO  
James A. Wilmington, COO  
Richard J. Harris, CSO

**BICSI RCDD's and Technicians on Staff**

**Contractor's License Types/Numbers:** California 534115 C7-C10 Arizona ROC167051-K-67

**Federal Tax ID:** 95-4141989

**DUNS Number:** 14 868 3634 3A3

**Resale Numbers:** California SRAC 13 830736 Arizona 07-468897-R Texas 1-954141989-1

**Trade References**

Anixter, Inc., 5720 Stoneridge Drive Suite 2 Pleasanton, CA 94588 Melissa Kobus (925) 469-8622  
Graybar Electric Company, Inc., P.O. Box 27070, Phoenix AZ 85061 Charles Drinkwater (909) 451-4020  
CSC/Fibertron, 6400 Artesia Blvd., Buena Park, CA 90620 Pat Thorgersen (630) 221-6400  
Tek Systems, 7437 Race Road, Hanover, MD 21076, Kimberly Dean (410) 540-7098

**Memberships and Affiliations**

PCC Network Solutions is a member of, or is affiliated with, the following organizations:

- **BICSI:** Building Industry Consulting Standards International
- **ANSI:** Compliant with American National Standards Institute
- **EIA:** Compliant with Electronic Industries Alliance
- **TIA:** Compliant with Telecommunications Industry Association
- **NFPA:** Compliant with the National Fire Protection Association and the National Electrical Code® (NEC®)
- **IEEE:** Compliant with the Institute of Electrical and Electronics Engineers

**Manufacturer Certifications (Copies Available at [www.pccinc.com](http://www.pccinc.com))**

- Belden: IBDN Certified System Vendor (CSV); partners since 1997
- Berk-Tek: OASIS Certified Integrator; partners since 2000
- Cambridge Sound Management – Qualified Sound Management Expert on Staff
- Chatsworth Products, Inc. (CPI): Certified Solutions Partner
- ***CommScope (Systimax/Uniprise): Premier Partner; partners since 1998***
- ***Corning: Expert NPI; partners since 1995***
- Hitachi: Certified Installer
- Leviton: Authorized Network Installer; partners since 2003

- Ortronics: Certified Installer Plus (CIP); partners since 1996
- Panduit: Certified Installer (PCI); partners since 1999

### **Contacts**

**CEO:** David S. Burr, 480.419.4025, [dsburr@pccinc.com](mailto:dsburr@pccinc.com)

**Operations:** James A. Wilmington, 818.534.1104, [jwilmington@pccinc.com](mailto:jwilmington@pccinc.com)

**Sales:** Richard J. Harris, 818.534.1102, [rharris@pccinc.com](mailto:rharris@pccinc.com)

**Marketing:** Tina Frost, 818.534.1169, [tfrost@pccinc.com](mailto:tfrost@pccinc.com)

**Finance:** Pat Abruzzese, 818.534.1131, [pabruzzo@pccinc.com](mailto:pabruzzo@pccinc.com)

**Estimating:** Layne Coley, 818.534.1129, [lcoley@pccinc.com](mailto:lcoley@pccinc.com)

**CSS:** Bryon Brammer, 818.534.1103, [bbrammer@pccinc.com](mailto:bbrammer@pccinc.com)



City of Long Beach  
 Purchasing Division  
 411 West Ocean Boulevard, 6<sup>th</sup> Floor  
 Long Beach, CA 90802

**9. COMPANY BACKGROUND AND REFERENCES**

9.1 Primary Contractor Information

Contractors must provide a company profile. Information provided shall include:

- Company ownership. If incorporated, the state in which the company is incorporated and the date of incorporation. An out-of-state Contractor must register with the State of California Secretary of State before a contract can be executed (<http://www.sos.ca.gov/business/>).
- Location of the company offices.
- Location of the office servicing any California account(s).
- Number of employees both locally and nationally. Specify the number of full time and part-time employees residing in Long Beach.
- Location(s) from which employees will be assigned.
- Name, address and telephone number of the Contractor's point of contact for a contract resulting from this RFP.
- Company background/history and why Contractor is qualified to provide the services described in this RFP.
- Length of time Contractor has been providing services described in this RFP to the public and/or private sector. Please provide a brief description.
- Resumes for key staff to be responsible for performance of any contract resulting from this RFP.
- Financial Stability: Contractors must provide financial statements giving the City enough information to determine financial stability. These statements may include, but are not limited to:
  - a) Financial Statement or Annual Report;
  - b) Business tax return;
  - c) Statement of income and related earnings;

The level and term of documentation required from the proposer to satisfy the City will be commensurate with the size and complexity of the contract and proposers should submit accordingly. If the information submitted by the Contractor, or available from other sources, is insufficient to satisfy the City as to the Contractor's contractual responsibility, the City may request additional information from the Contractor or may deem the proposal non-responsive. The City's determination of the Contractor's responsibility, for the purposes of this RFP, shall be final.

9.2 Subcontractor Information

9.2.1 Does this proposal include the use of subcontractors?

Yes \_\_\_\_\_ No  Initials RJH

## Contractor Information

**Legal Entity Name**  
PACIFIC COAST CABLING, INC.

**Legal Entity Type**  
Corporation

**Status**  
Active

**Registration Number**  
1000002785

**Registration effective date**  
7/1/2019

**Registration expiration date**  
6/30/2021

**Mailing Address**  
20717 PRAIRIE ST. CHATSWORTH 91311 CA Uni...

**Physical Address**  
20717 PRAIRIE ST. CHATSWORTH 91311 CA Uni...

**Email Address**

**Trade Name/DBA**  
PCC NETWORK SOLUTIONS

**License Number(s)**  
Other:534115

## Registration History

Effective Date	Expiration Date
6/27/2018	6/30/2019
6/28/2017	6/30/2018
6/30/2016	6/30/2017
7/10/2015	6/30/2016
11/14/2014	6/30/2015
7/1/2019	6/30/2021

## Legal Entity Information

**Corporation Number:**  
95-4141989

**Federal Employment Identification Number:**

**President Name:**  
DAVID BARR

**Vice President Name:**

**Treasurer Name:**  
JAMES WILMINGTON

**Secretary Name:**  
RICHARD HARRIS

**CEO Name:**  
DAVID BARR

**Agent of Service Name:**  
JAMES WILMINGTON

**Agent of Service Mailing Address:**  
20717 PRAIRIE ST. CHATSWORTH 91311 CA United States of America

## Workers Compensation



CONTRACTORS  
STATE LICENSE BOARD  
ACTIVE LICENSE



License Number **534115**

Entity **CORP**

Business Name **PACIFIC COAST CABLING INC  
DBA DBA PCC NETWORK  
SOLUTIONS**

Classification(s) **C-7**

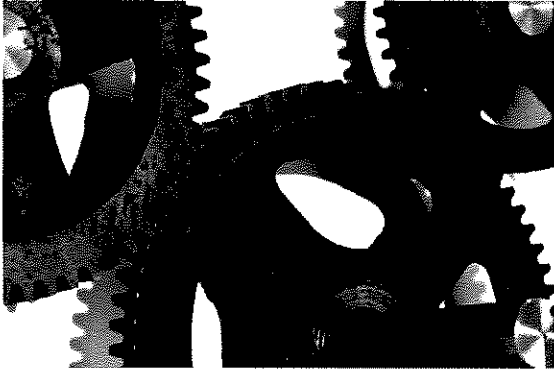
Expiration Date **07/31/2022**

[www.cslb.ca.gov](http://www.cslb.ca.gov)





# The Service Triangle



**NUMEROUS FACTORS MUST BE CONSIDERED WHEN EXECUTING A PROJECT.** General contractors have a schedule, subcontractors have another schedule and clients have their deadlines. We can design, build and deliver a complete turn-key solution or service, or fit somewhere in between all the nuts and bolts of construction. Somewhere between floor plans and move-in dates, we've got to get our job done. Coordination is paramount.

**TO ALLEVIATE THE HEADACHES, PCC NETWORK SOLUTIONS SERVICE TRIANGLE WAS CREATED.** The Service Triangle is made up of the client, the PCC Network Solutions Project Manager, and the on-site Foreman to ensure consistent communication throughout the process.

**A PROJECT MANAGER AND A FOREMAN WILL BE ASSIGNED TO ANY PROJECT FOR ITS DURATION.** This "Service Triangle," composed of the client, the Project Manager and the Foreman, allows PCC Network Solutions to provide an optimum level of communication for project success. The Project Manager is the liaison between the client and our corporate staff. Our Project Manager will attend construction meetings, work with the general contractor, and oversee overall project coordination. The Project Manager will interface constantly with the Foreman to guarantee proper material deliveries and manpower requirements. Our Foreman is on-site 100% of the time, directing all on-site activities. Both of these team members are available via pagers and cell phones at all times. It is this level of management that makes PCC Network Solutions the most favorable choice for any project.



**PCC Network Solutions**  
Design. Build. Deliver.



**PCC Network Solutions**  
Design. Build. Deliver.

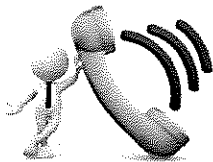


## The Rumors Are True, We Are Different!

dif·fer·rent: partly or totally unlike in nature, form, or quality

PCC likes to stand out from the rest in all areas of performance, even with the seemingly simple things. You see, we understand that all licensed, bonded, and insured contractors are skilled at their craft, and only the best of us partner with industry-leading manufacturer partners earning us certified/extended warranty status. But there is much more to the engagement process, and PCC adheres to specific business etiquette throughout the process, from start to finish. So what's the big difference?

Allow us to share with you some of the remarkably simple things that set us apart.



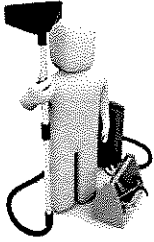
### We will call you back!

How important is prompt and efficient communication to you? You don't have to answer that, because we already know the answer. When you've got PCC on the job, a dedicated Project Manager is assigned to your account/projects. You will have this Project Manager's mobile phone number to call or text, direct office phone number, and email address. Should you ever have an emergency, our 24-hour toll-free hotline is also available. On those rare occasions when you must leave a message, you can rest assured, we will call you back.

### We Show Up On Time

PCC understands that time is money, and we're not in the business of wasting yours! With carefully coordinated travel schedules, our crew will show up at a specific time, not a time frame. Once there, we will work diligently until the job is done to your complete satisfaction.



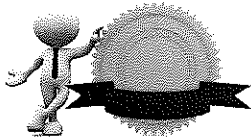
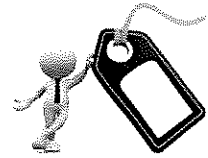


### We Clean Up After Ourselves

Nobody likes a mess; especially one that someone else left behind. PCC technicians respect your work environment and care for it as if it were our own. Each work van is equipped with vacuums, brooms, rags, and a variety of other cleaning supplies. We won't even leave dust behind. We leave it the way we found it, only better.

### We Make Things Clear...

...with labels and comprehensive documentation. Ever walk into a data center or telecom closet and feel an immediate sense of loss? If your cabling infrastructure isn't properly labeled and documented, it can be a nightmare. You will lose no sleep with PCC on the job! Every cable and patch panel is physically labeled. CAD drawings are saved and submitted electronically. Plus, PCC maintains all such documentation and connection matrix for you, available any time to your authorized personnel through PCC's Online Resource Center.



### You Can Rest Assured - We've Got You Covered!

PCC installs the industry's leading solutions with the strongest extended warranties. And we stand by our workmanship - we have never charged for a warranty call, and we never will.

### What Others are Saying

*"I'd like to take this opportunity to thank you for the job well done. This is the first project that I have worked with you on, but it is the most memorable and pleasant experience to have a group of people who are so cooperative, knowledgeable, and professional on the job. I'm looking forward to working with you on many future projects. Thank you for your suggestions and comments.." - Dien Nguyen, DCSF*



# CERTIFICATE OF AUTHORIZATION

Presented To:

PCC Network Solutions

as a

Installer

for SYSTIMAX Premier

Approved Territory:

United States



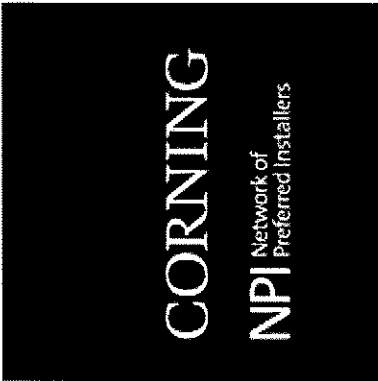
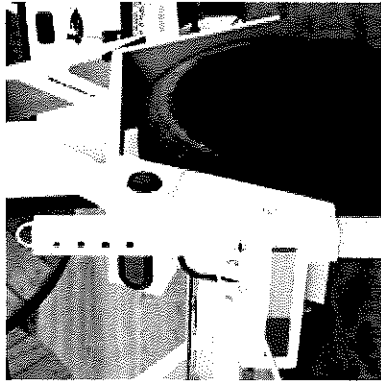
Stephen M. Kowal  
SVP Global Enterprise Sales

2020

Program Year

561

Partner ID



# Corning Optical Communications Network of Preferred Installers

## PCC Network Solutions

### Certified Member 2020 Member in Good Standing

Andrew Bell, Program Manager  
Network of Preferred Installers  
Optical Communications, IBN/DC

Andrew Jackson, Vice President  
OCO Marketing  
Optical Communications

Rendered: Tue May 19 21:54:45 GMT 2020



## **PCC Network Solutions**

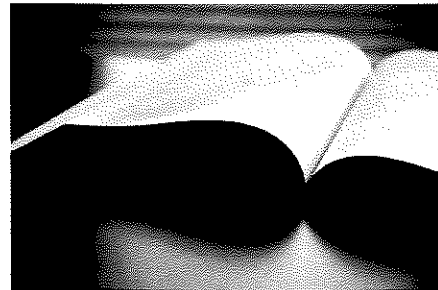
**Design. Build. Deliver.**

### **On the job training is fine for some occupations, but not for network solutions experts**

Recruiting, developing, and retaining great people are an underlying principle upon which we've grown our business. It's why our level of service has remained consistently higher than our competitors'. In 1999, we founded the PCC Network Solutions Education Center. Since then, we've offered professional instruction on all aspects of design, installation, and maintenance of communications systems. Unlike many other training centers that only have a Proprietary Agreement, PCC has a General Agreement, which allows us to offer BICSI (Building Industry Consulting Service International, Inc.) courses to anyone interested in reaching for excellence, not just to our employees.

### **Doing our homework keeps us ahead of the class**

From start to finish, a positive customer experience is of paramount importance. Our corporate values demand that each member of our team fully understands what is required. They arrive on site as the best-trained individuals in the industry. It's one of the things that differentiate us from our competition. And it's how PCC is able to consistently deliver solutions that exceed expectations.



### **BICSI Certification provides an assurance of quality**

Comprehensive training and testing programs give cabling installers a multilevel career path to follow in pursuit of professional development. Even the most carefully designed system cannot function optimally unless it is properly installed; so it's important to have trained, quality professionals on the job. As a BICSI Corporate Member, we apply the same adherence to standards and detail in the field that we demonstrate in the classroom. Our goal is to maintain the best-trained field service crews in the industry; that begins upon date of hire.

*Included in this section you will find several resumes that strongly represent the quality and expertise you can expect from the personnel assigned to your project.*



**PCC Network Solutions**  
Design. Build. Deliver.

**Project Manager**

Marcos Perez  
Santa Fe Springs, CA

**Professional Summary**

- Twenty-One (21) years of experience with information technology and telecommunications systems, including voice and data experience
- Experience in the placement, termination and testing practices of copper and fiber inside plant facilities
- Experience in installing Category 5 and 6 copper systems and with running compliant testers
- Experience with the placement practices for copper and fiber outside plant facilities and associated equipment
- Experience with the splicing, termination and testing practices for copper and fiber outside plant facilities and associated equipment
- Experience with Fiber Optic cable emergency restoration
- Experience with Mid-Span Access cable splicing with Single Mode OSP
- Experience in performing cutovers
- Experience in residential installation
- Experience with Data Relocation projects.
- Familiarization and experience in installation of various manufacturers' hubs and routers.
- Experience with Valcom and Bogen paging systems
- Telecommunications management experience
- Familiarization with Ethernet and ATM Technology Architectures.
- Demonstrated success as a "Project Manager" for large scale, multidiscipline projects.
- Familiarization and experience in CATV cabling and equipment.
- Experienced with the 3M and 710 splice tools.
- Familiar with the Greenlee Tugger.
- Experienced on Man lifts.
- Experience in conduit installation; up to 4".

**Large-Scale Client Project List**

Including, but not limited to:

- Oracle
- Awesomeness TV
- Sempra Energy
- CSULB
- Pasadena City College
- Cerritos College
- Disney
- County of Riverside
- JPMC
- Kroger/Ralph's
- Discount Tire
- Warner Bros. Studios
- 20<sup>th</sup> Century Fox
- Paul Hastings

Marcos Perez Resume  
Continued

- County of Kern
- City of Santa Monica
- St. Jude Medical
- Verizon
- City of Beverly Hills
- Baxter
- California Endowment
- Cal Tech
- UCLA
- USC
- Raytheon
- Northrop Grumman
- Boeing
- AAA
- Desert Sands Unified School District
- Dreamworks
- Whittier Presbyterian Hospital

**Skills**

- PC Literate
- MAC Literate
- Internet Literate
- Microsoft Windows

**Experienced and/or Certified with the Following Product Lines**

- BICSI
- Belden
- Berk-Tek
- CommScope Systimax/Uniprise
- Cooper B-Line
- Corning
- Hitachi
- Leviton
- Ortronics
- Panduit
- Sumitomo
- CommScope Systimax
- Hilti Gun
- Hilti Firestop

**Work History**

- 8/1999 to Present - Pacific Coast Cabling





## **PCC Network Solutions**

**Design. Build. Deliver.**

### **Project Manager**

Craig Stevens  
Corona, CA 92881

### **Professional Summary**

- Forty (40) years of experience with Information Technology and Telecommunication Systems, including voice & data related experience.
- Experience in the placement, termination and testing practices of copper and fiber inside plant facilities.
- Experience in installing Category 5 and 6 copper systems and with running compliant testers.
- Experience with the placement practices for copper and fiber outside plant facilities and associated equipment.
- Experience with the splicing, termination and testing practices for copper and fiber outside plant facilities and associated equipment.
- Experience in performing cutovers.
- Experienced with Data Relocation projects.
- Familiar and experienced in the installation of various manufacturers' hubs and routers.
- Experience with Valcom and Bogen paging systems.
- Telecommunications management experience.
- Design/Engineering experience for large-scale projects.
- Familiar with Ethernet Technology Architectures.
- Demonstrated success as a Project Manager for large scale, multidiscipline projects, responsible for technical leads, budgeting and cost analysis.
- Familiar and experienced with CATV cabling and equipment.
- Familiar with the Greenlee Tugger.
- Experience in conduit installation up to 4".
- Telephone switch experience.
- Voicemail experience.

### **Telephone Switch Experience**

- AT&T Spirit - Dfinity, Merlin, Systems 75, 25, & 85
- Northern Telecom - SL1

### **Voicemail Experience**

- Northern Telecom
- Mitel

### **Large-Scale Client Project List**

Including, but not limited to:

- YUM! Brands
- OfficeMax
- Siemens/UGS
- Genzyme
- TV Guide
- St. Joseph's Hospital
- UCR
- Verizon Wireless
- Xylan
- HRL
- Cal State University Long Beach
- Trinity Broadcasting Network
- So. Cal Gas Co.
- County of Riverside
- Claremont College

### **Skills**

- PC Literate
- MAC Literate
- Internet Literate
- Microsoft Windows
- Microsoft Word
- Microsoft Excel
- Microsoft Project
- Familiar with E-Mail
- LAN/WAN Hardware
- Visio

### **Certifications**

- Belden
- Hilti Gun
- Hilti Firestop
- Systimax D&E

### **Experienced with the following product lines and installation practices:**

- Berk-Tek
- CommScope Systimax/Uniprise
- AMP
- Belden
- TE Connectivity (ADC)
- Panduit
- Ortronics
- CPI
- Corning
- Belden
- Leviton

### **Work History**

- 7/1999 to Present - PCC Network Solutions
- 1/1973 to 7/1999 - First American Financial



## **PCC Network Solutions**

Design. Build. Deliver.

### **Foreman - Fiber Specialist**

Jo Hummel  
Whittier, CA 90603

#### **Professional Summary**

- Thirty-seven (37) years of experience with information technology and telecommunications systems
- Data and voice related experience
- Experience in the placement, termination and testing practices of copper and fiber inside plant facilities
- Experience in installing Category 5 and Category 6 copper systems and with running compliant testers
- Experience with the placement practices for copper and fiber outside plant facilities and associated equipment
- Experience with the splicing, termination and testing practices for copper and fiber outside plant facilities and associated equipment
- Experience with Fiber Optic cable emergency restoration
- Experience with Mid-Span Access cable splicing with Single Mode OSP
- Experience of performing cutovers
- Experience with Data Relocation projects.
- Familiarization and experience in installation of various manufacturers' hubs and routers.
- Telecommunications management experience
- Familiarization with Ethernet and ATM Technology Architectures.
- Demonstrated success as a Foreman for large scale, multidiscipline projects.
- Familiarization and experience in CATV cabling and equipment.
- Experienced with the 3M and 710 splice tools.
- Familiar with the Greenlee Tugger.
- Experienced and Certified on Man lifts.
- Experience in conduit installation. Up to 4".

---

## Large-Scale Client Project List

Including, but not limited to:

- Citrix Online
- Pasadena City College
- Children's Hospital LA
- Disney
- County of Riverside
- JPMC
- Kroger/Ralph's
- Warner Bros. Studios
- 20<sup>th</sup> Century Fox
- Countrywide Home Loans
- Paul Hastings
- Specialty Labs
- Amgen
- City of Santa Monica
- City of Beverly Hills
- Cal Tech
- Cerritos College
- Sempra Energy
- CSULB
- Raytheon
- Northrop Grumman
- Boeing

## Skills

- PC Literate
- Internet Literate
- Microsoft Windows
- Microsoft Word
- Microsoft Excel
- Microsoft PowerPoint
- Microsoft Project
- Email
- Visio

## Certifications

- ADC
- Corning
- Confined Space Entry

Experienced with the following product lines and installation practices:

- ADC
- Belden
- Berk-Tec
- Corning
- CPI
- CommScope Systimax
- CommScope Uniprise
- Hitachi
- Leviton
- Ortronics
- Panduit

## Work History

- 01/2009 to Present - PCC Network Solutions



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**Foreman**

Julio Ortiz  
Hacienda Heights, CA 91745

**Professional Summary**

- Twenty-Two (22) years of experience with Information Technology and Telecommunication Systems, including voice and data experience
- Experience in the placement, termination and testing practices of copper and fiber inside plant facilities.
- Experience in installing Category 5 and 6 copper systems and with running compliant testers.
- Experience with the placement practices for copper and fiber outside plant facilities and associated equipment.
- Experience in performing cutovers.
- Experience in residential installation.
- Experienced with Data Relocation projects.
- Experience with Bogen paging systems.
- Familiar and experienced with CATV cabling and equipment.
- Familiar with the Greenlee Tugger.
- Experienced on Man lifts.
- Experience with conduit installation, up to 4".

**Large-Scale Client Project List**

Including, but not limited to:

- City of Beverly Hills
- Simi Valley USD
- Cal Tech
- Oracle
- USC
- Intuit
- County of LA
- Sempra Energy
- County of Riverside
- JPMC
- City of Santa Ana
- Cerritos College
- Santa Monica College
- City of Garden Grove
- Ralph's

**Skills**

- PC Literate

### **Experienced and/or Certified with the Following Product Lines**

- BICSI
- Belden
- Berk-Tek
- CommScope Systimax/Uniprise
- Cooper B-Line
- Corning
- Hitachi
- Leviton
- Ortronics
- Panduit
- Sumitomo
- CommScope Systimax
- Hilti Gun
- Hilti Firestop

### **Work History**

- 11/2002 to Present - Pacific Coast Cabling
- 10/2000 to 11/2002 - Avant Technology Solutions
- 5/1999 to 10/2000 - The O'Conner Group
- 1996 to 5/1999 - Axxis Network & Telecommunications



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## **Santa Monica College – Campus Technology Infrastructure Upgrade**

**Santa Monica College**  
**1900 Pico Blvd.**  
**Santa Monica, CA 90405**  
[www.smc.edu](http://www.smc.edu)

**Industry**  
Education

**GC Contact**  
Neubauer Electric, Inc.  
Brian Cathey, Superintendent  
714-461-3103  
[bcathey@neubauerelectric.com](mailto:bcathey@neubauerelectric.com)

Santa Monica College has been a client since 2011.

In August of 2018, PCC Network Solutions was selected to complete the infrastructure upgrade for Santa Monica College's 3-story building located in Santa Monica, CA. This 9-month, \$1,056,000 project involved the installation of horizontal and riser voice/data cabling, fiber optic cabling, an indoor wireless system, paging systems, and data networking.

Santa Monica College selected a complete CommScope Systimax solution consisting of 452,000 feet of Systimax 2019e, CAT6A cable to 2,869 WAO's throughout the 3 floors of this classroom and administration building. All cables were terminated at the workstation utilizing Systimax GigaSPEED X10D CAT6A jacks. Cables on the opposite end were terminated to 6x IDF's to Systimax GigaSPEED CAT6A patch panels. PCC also provided and installed 5,900 feet of Systimax LazrSPEED® 24 strand multimode fiber optic cable and 1,200 feet of Systimax TeraSPEED® 48 strand single-mode fiber optic cable between the 6x IDF's and the 2x MDF. In addition, we installed 2,360 feet of 25-pair Systimax copper riser cable to the Telco circuits between the 6x IDF's and 1x MDF. Lastly, 4,300 Systimax CAT6 patch cords were provided along with 162 Systimax multimode and 108 Systimax single-mode fiber optic patch cords. All cables were tested utilizing industry-standard test equipment.

This solution promises security, integrity, reliability, added bandwidth, less downtime, the scalability needed for future growth, and the ability to integrate multiple technologies, which the students and administration personnel rely on.

Upon completion, PCC was able to offer a complete 25-year Extended Product Warranty and Application Assurance. The project was completed on time and within budget.

### **About Santa Monica College**

Santa Monica College - a two-year community college accredited by the Western Association of Schools and Colleges – opened in 1929. Now a thriving campus with approximately 34,000 students and offerings in more than 100 fields of study. Set on a 38-acre main campus less than two miles from the beach and several nearby satellite campuses, Santa Monica College has everything today's student needs to succeed – computer labs, athletic facilities, performing and visual arts spaces, and active student clubs.



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## **County of Riverside, MAC**

**County of Riverside, California**  
**6147 Rivercrest Drive**  
**Riverside, CA 92507**

### **Industry**

Government

### **Contact**

Moe Raissdana  
951-955-7813 Office  
951-312-3031 Mobile  
[Moe.raissdana@rivcoit.org](mailto:Moe.raissdana@rivcoit.org)

The County of Riverside has been a client since 2004.

In early 2004, PCC Network Solutions was selected by the Riverside County Information Technology (RCIT) Department as a pre-approved structured cabling contractor to provide cabling services support throughout the County. The selection of PCC Network Solutions over several others was based on an RFP that awarded points based on experience, longevity, commitment to industry standards, and many other factors. The contract provides for work in various county affiliated organizations including Social Services, District Attorneys, Public Safety entities, County Health agencies and more. Based on the success of the first three year contract, in 2007 PCC was awarded a new 5-year contract with the County.

Recently, the County of Riverside did away with multi-year contracts and instead requires contractors to qualify annually as a preferred vendor. PCC Network Solutions continues to be awarded multiple MAC and project contracts throughout the County.

PCC has multiple teams of technicians on site at the County every day conducting various certified structured cabling projects including Cat5e, Cat6 and coax horizontal cabling, copper/fiber backbone cabling, Outside plant, paging systems, and a variety of other specialized low-voltage installation projects including Sound Masking, Wireless Access Points (WAP), and Security.

By utilizing our large group of BICSI certified technicians in Southern California, PCC is able to manage and support multiple large-scale projects simultaneously for the County. Our unique ability to scale our work force to support the County's dynamic project requirements has allowed us to significantly increase our contract revenue every year. Between 2009 and 2020, PCC has exceeded \$9.5 million in revenue with the County.

### **About Riverside County**

Riverside County, formed in 1893, is the fourth largest County in the state of California and the 10<sup>th</sup> largest in the United States. Stretching over nearly 200 miles across, covering over 7,300 square miles of fertile river valleys, low deserts, mountains, foothills and rolling plains, Riverside County is home to 2.4 million residents. The County of Riverside maintains a workforce of over 18,000 employees, in over 50 departments and agencies.





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## **County of Riverside – Jurupa MOB Infrastructure Buildout**

**County of Riverside**  
**8876 Mission Blvd.**  
**Jurupa Valley, CA 92509**  
[www.cor.com](http://www.cor.com)

**Industry**  
Government

**Contact**  
Joaquin Lara, IT Manager  
951-486-7754  
[jlara@cor.com](mailto:jlara@cor.com)

County of Riverside has been a client since 2007.

In August of 2018, PCC Network Solutions was selected to complete the Infrastructure Buildout for the County of Riverside in Jurupa Valley, CA. This 5-month, \$170,000 project involved the installation of horizontal voice/data cabling, riser voice/data cabling, video surveillance/coax cabling, VoIP, wireless indoor, data networking, and paging systems.

The County of Riverside selected a Berk-Tek Leviton solution with CPI racks. PCC provided and installed 120,000 feet of LANmark Berk-Tek Category 6 cable to 592 WAO's for both data and VoIP. PCC utilized Leviton eXtreme ® Cat 6 jacks for all WAO's. In addition, 7500 feet of Berk-Tek LANmark Cat 6A cable was installed to 37 WAP locations. We also designed and installed a paging system with 88 speakers and all associated controllers. Lastly, we build out the MDF and IDF utilizing CPI open equipment racks and CPI associated hardware. All circuits were tested utilizing industry standard Fluke test equipment.

This solution promises security, integrity, reliability, added bandwidth, less downtime, and the scalability needed for future growth, along with the ability to integrate multiple technologies, which the Admin and Medical personnel rely on.

Upon completion, PCC was able to offer a Berk-Tek Leviton Limited Lifetime System warranty. The project was completed on time and within budget.

### **About County of Riverside**

With rivers, mountain peaks, deserts and fertile valleys, Riverside County offers diversity that few locations can match. More than two million people live in Riverside County, taking advantage of affordable housing, nearby beaches, mountains, hiking and bike trails, the Wine Country near Temecula, and resorts that offer an oasis in the desert.

California's fourth largest county by population is expanding its economy, working to make Riverside County as business-friendly as possible and using health and recreations strategies to make the county a healthier place for residents.



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## **County of Riverside – RCIT Moreno Valley, Cactus Clinic**

**County of Riverside**  
**23520 Cactus Ave.**  
**Moreno Valley, CA 92553**  
[www.countyofriverside.us](http://www.countyofriverside.us)

### **Industry**

Government

### **Contact**

Joaquin Lara  
IT Manager  
951-486-7754  
[Jlara@cor.com](mailto:Jlara@cor.com)

County of Riverside has been a client since 2008.

In November of 2017, PCC Network Solutions was selected to complete the infrastructure buildout the County of Riverside's 2-story building in Moreno Valley, CA. This 8-month, \$100,000 project involved the installation of horizontal voice and data cabling, riser voice/data cabling, the build-out of their Data Center, physical security, video surveillance, wireless indoor, and paging systems.

For this retrofit project, the County of Riverside selected a Berk-Tek Leviton solution. PCC designed and installed a Berk-Tek Leviton infrastructure solution for the County, consisting of 58K feet of Berk-Tek LANmark-1000 Cat 6 cable to (176) WAO's. All cables were terminated to Leviton eXtreme® Cat 6 jacks and eXtreme® Cat 6 patch panels in the IDF. PCC also installed the cable for security and T.V.'s, as well as (21) wireless access points (WAP's). All data cables were tested to industry standards using Fluke test equipment. Also, PCC provided and installed (2) CPI 4-post server racks for the IDF. Lastly, a total of (350) Leviton Cat 6 UTP patch cords were provided along with (2) APC Smart-UPS units and (80) 6' power cords.

This solution promises security, integrity, reliability, added bandwidth, less downtime, and the scalability needed for future growth, along with the ability to integrate multiple technologies, which the Admin and Medical personnel rely on.

Upon completion, PCC was able to offer a Berk-Tek Leviton Limited Lifetime System warranty. The project was completed on time and within budget.

### **About County of Riverside**

With rivers, mountain peaks, deserts and fertile valleys, Riverside County offers diversity that few locations can match. More than two million people live in Riverside County, taking advantage of affordable housing, nearby beaches, mountains, hiking and bike trails, the Wine Country near Temecula, and resorts that offer an oasis in the desert.

California's fourth largest county by population is expanding its economy, working to make Riverside County as business-friendly as possible and using health and recreations strategies to make the county a healthier place for residents.



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## **City of Beverly Hills – 432-Strand Fiber Optic Install**

**City of Beverly Hills**  
**455 N. Rexford Drive**  
**Beverly Hills, CA 90210**

**Industry**  
Government

**Contact**  
Greg Smith  
310-288-1482  
[gsmith@beverlyhills.org](mailto:gsmith@beverlyhills.org)

The City of Beverly Hills has been a client since 2002.

In March of 2019, PCC Network Solutions was selected to repair a 72-strand fiber optic cable that was damaged during upgrades to a city park by a backhoe. PCC was able to isolate the broken fiber and trace all 72 strands to multiple city locations, including the city Police Department, Water Plan, IT Building, City Hall, Schools, Traffic Signal Cabinets, and Park Irrigation Control.

During this 12-month, \$87,000 project, PCC provided and installed a Corning 432-strand Single-Mode OSP cable from the damaged cable location to the Data Center 2000' away. We then fusion spliced the 72 strands of the 432 –strand fiber to bring all services back up and running. We were also tasked with splicing one 12-strand SM and one 24-strand SM cable to the 432-strand fiber and install it back to City Hall. All fiber strands were tested to industry specifications.

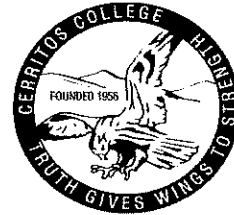
### **About The City of Beverly Hills**

The City of Beverly Hills, California is one of the world's most celebrated communities. Located within 5.7 square miles in the heart of Southern California, it is home to 35,000 residents and hosts millions of visitors from all over the world every year.

With its lush landscape, near-perfect climate and exceptional dining, entertainment, shopping and cultural experiences, the City enjoys an international reputation as a premier destination in which to live, work and play. Surrounded by the cities of Los Angeles and West Hollywood, Beverly Hills is a full-service City with outstanding police and fire departments, award-winning schools, sound infrastructure and extensive recreational opportunities.



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## **Cerritos College – Campus Fiber Optic Upgrade Project**

**Cerritos College**  
**11110 Alondra Blvd.**  
**Norwalk, CA 90650**  
[www.cerritos.edu](http://www.cerritos.edu)

**Industry**  
Education

**Contact**  
Mario Morales  
IT Manager  
562.860.2481 ext. 2179  
[mmorales@cerrito.edu](mailto:mmorales@cerrito.edu)

**General Contractor**  
Tilden-Coil Constructors  
David Buted, Project Manager  
951.538.4709  
[dbuted@tilden-coil.com](mailto:dbuted@tilden-coil.com)

Cerritos College has been a client since 1986

In January of 2018, PCC Network Solutions was selected to complete the infrastructure upgrade for Cerritos College in Norwalk, CA. For this 13-month retrofit project, PCC provided and installed a Campus Infrastructure Upgrade to their existing outside plant (OSP) cabling between (22) campus buildings and classrooms. This project, valued at \$1,123,000, involved the installation of OSP Voice/Data cabling, Fiber Optic cabling, and Data Networking equipment.

Cerritos College selected a complete Corning fiber solution with Superior Essex copper cable. PCC provided the installation to (22) buildings throughout a total of (18) manholes/vaults. We utilized and installed Corning pre-terminated Plug and Play™ trunk fiber optic cables in counts of 144, 72, 36, 24, and 12 strands. All fiber was dressed into their appropriate MDF/IDF and prepared to be plugged in. New OSP copper cable for phones and ancillary equipment was also installed throughout all (18) manholes/vaults in pair counts of 300, 200, 100, 50, and 25 - directly terminated to blocks in all MDF's and IDF's. Overall, 34k' of fiber optic cable and over 31K' of OSP copper cable was installed. All fiber and copper were tested to industry specifications.

This complete solution promises security, integrity, reliability, added bandwidth, and the smooth integration of multiple technologies for these unique buildings, which the students and college staff rely on.

A specialized crew of (20) personnel was assembled to complete this project on time and within budget. Upon completion, PCC was able to offer a complete Corning 25 -year Extended Product Warranty and Application Assurance.

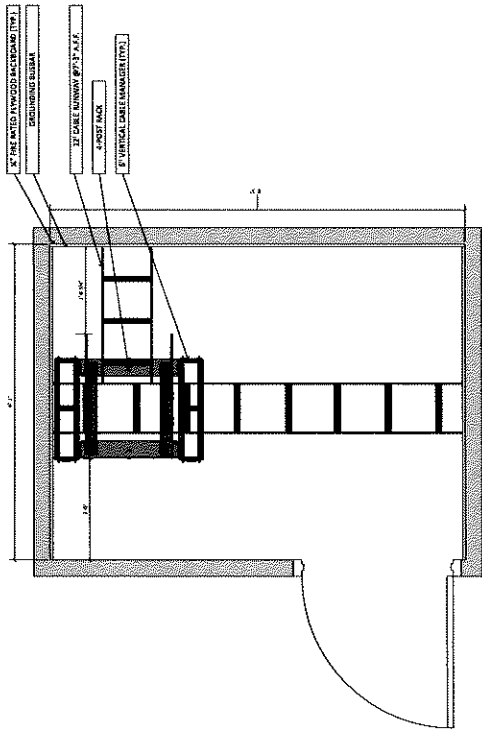
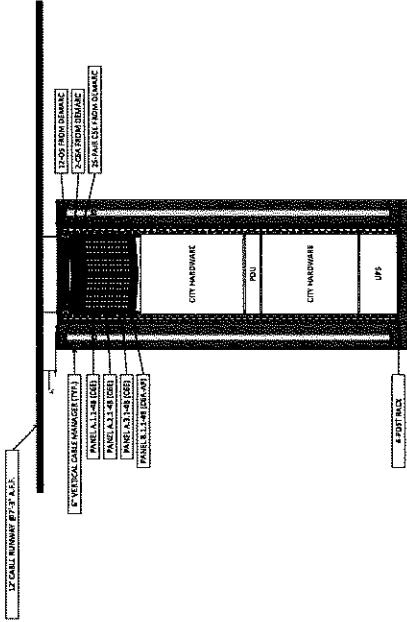
### **About Cerritos College**

Founded in 1955, Cerritos College is a public comprehensive community college serving an area of 52 square miles of southeastern Los Angeles county. The college offers degrees and certificates in 87 areas of study in nine divisions. Over 1,200 students successfully complete their course of studies each year.



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City of Long Beach  
411 W. Ocean Blvd. 7th Floor  
Long Beach, CA 90802



Telecom Rm Typical

ISSUE/VERSION	DATE	DESCRIPTION

City of Long Beach  
Request For Proposals Number T121-001  
For  
City-wide Fiber Optic Indoor Cabling

SCALE: RFS  
RFL3/2/14/17

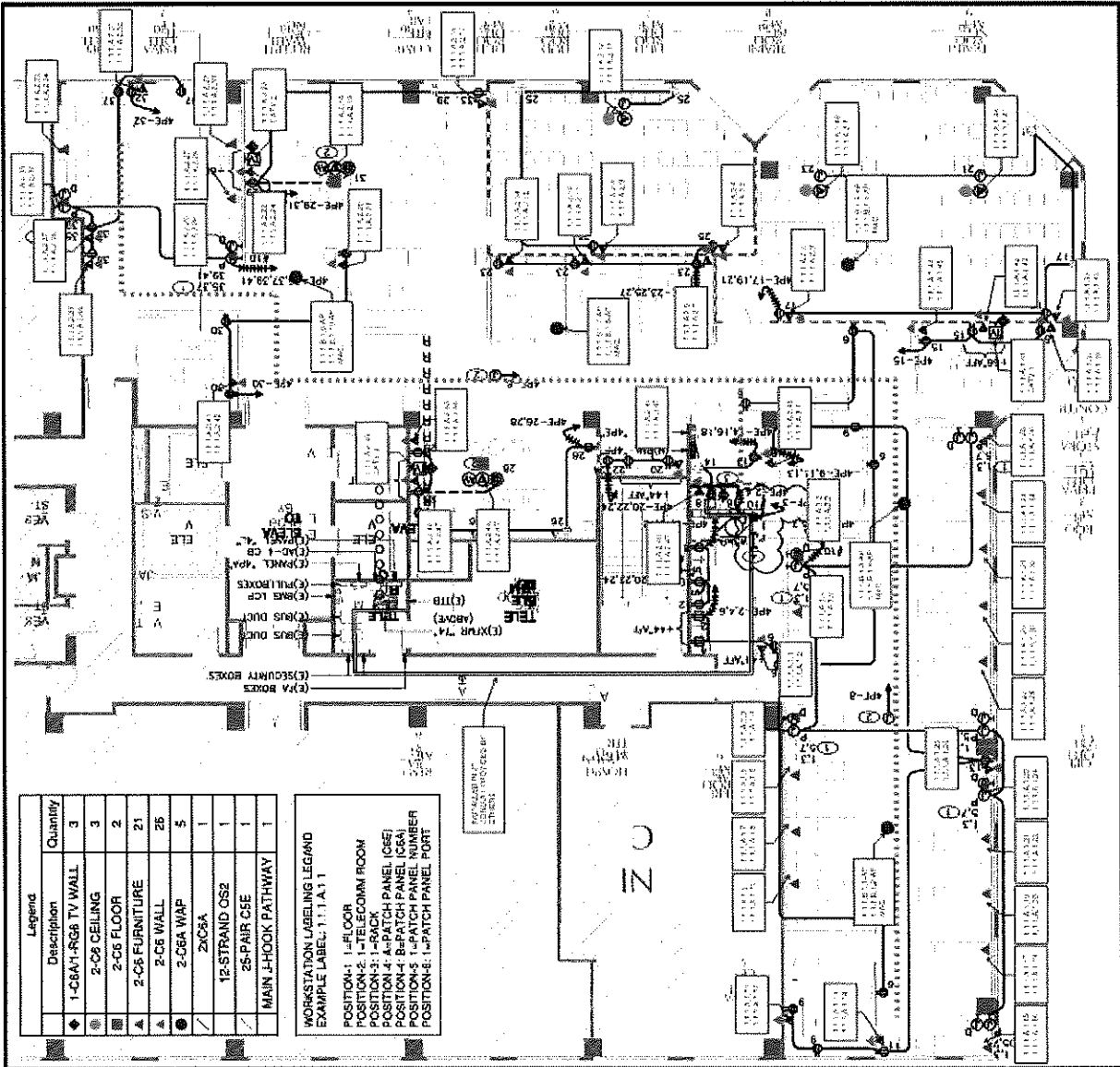
DRAWING NO. SAMPLE FLOOR PLAN

TELECOM ROOM LAYOUT & ELEVATIONS



**PCC Network Solution:**  
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City of Long Beach  
411 W. Ocean Blvd., 7th Floor  
Long Beach, CA 90802



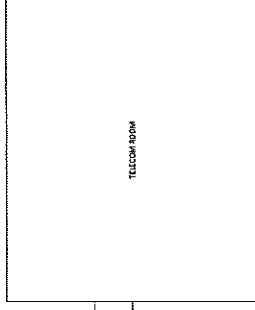
WORKSTATION AS-BUILT

REVISIONS	DATE	DESCRIPTION
1	12/20/09	ADD/DEL

City of Long Beach  
Request For Proposals Number T122-001  
City-wide Fiber Optic Indoor Cabling

SCALE: N/A  
REV: 01/04/10

DRAWING NO: SAMPLE FLOOR PLAN



DEMARC

TELECOM ROOM

15-PAIR FROM DEMARC TO TELECOM ROOM  
7-PAIR FROM DEMARC TO TELECOM ROOM  
25-PAIR USE FROM DEMARC TO TELECOM ROOM

**BACKBONE RISER DIAGRAM**

ISSUE/VERSION	DATE	DESCRIPTION

City of Long Beach  
Request For Proposals Number 1121-008  
For  
City-wide Fiber Optic Indoor Cabling

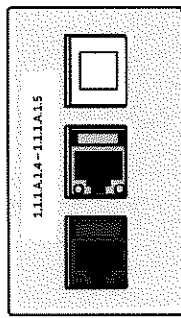
SCALE: NTS  
SHEET: 03/04

DRAWING NO.: SAMPLE FLOOR PLAN

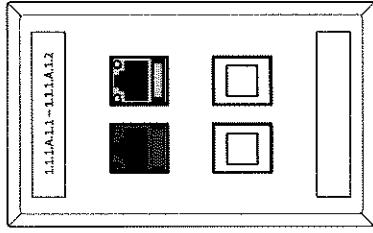


**PCC Network Solutions**  
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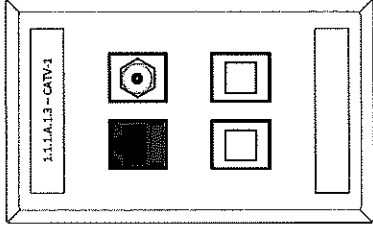
City of Long Beach  
411 W. Ocean Blvd., 7th Floor  
Long Beach, CA, 90802



**DETAIL #1**  
2-PORT FURNITURE FACEPLATE (2-C6E)



**DETAIL #2**  
2-PORT WALL FACEPLATE (2-C6E)  
2-PORT FLOOR FACEPLATE (2-C6E)

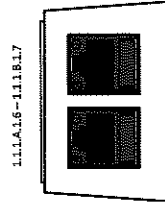


**DETAIL #3**  
2-PORT WALL FACEPLATE (1-C6E/1-RG6)



1.11.B.1.1-1.11.B.1.2

**DETAIL #4**  
2-PORT SURFACE MOUNT WAP (2-C6A)



1.11.A.1.6-1.11.B.1.7

**DETAIL #5**  
2-PORT SURFACE MOUNT CEILING (2-C6E)



**DETAIL #6**  
PATCH PANEL LABELING (TYP.)

ISSUANCE	DATE	DESCRIPTION	REVISION

City of Long Beach  
Request For Proposals Number T121-001  
For  
City-wide Fiber Optic Indoor Cabling

SCALE: NTS  
SIZE: 35"x42"

DRAWING NO. SAMPLE FLOOR PLAN

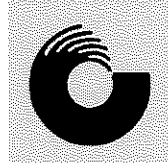
WORKSTATION OUTLET DETAILS



# EXHIBIT “B”

Rates or Charges

# Part Two



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## **COST PROPOSAL**

**Time & Material Rates**  
**Exhibit A-Sample Project Proposal Pricing & BOM**



## Telecommunications Infrastructure Services - TIS Rate Sheet

Re: 2021 Time & Material Rates By Classification (California Prevailing Wage Schedule)  
Standard Response Rates (LA County, California)

Classification	ST Rate	2nd Shift	3rd Shift	OT Rate	DT Rate
Project Manager	\$89.50	N/A	N/A	\$134.25	\$179.00
Foreman/Supervisor	\$99.50	\$116.91	\$130.84	\$149.25	\$199.00
Technician	\$84.50	\$99.29	\$111.12	\$126.75	\$169.00
CSS Field Service Technician	\$89.50	\$105.16	\$117.69	\$134.25	\$179.00
Optical Fiber Technician	\$99.50	\$116.91	\$130.84	\$149.25	\$199.00
Outside Plant Specialist-Copper Splicer	\$114.50	\$134.54	\$150.57	\$171.75	\$229.00
Optical Fiber Specialist-Fiber Splicer	\$114.50	\$134.54	\$150.57	\$171.75	\$229.00
Registered Communications Distribution Designer (RCDD)	\$150.00	N/A	N/A	\$225.00	\$300.00

(ST) Straight Time Hours are an 8-hour shift Mon. - Fri., between the hours of 5:00 a.m. - 6:00 p.m., except

(2nd shift) 2nd Shift Hours are 8-hour shifts for a minimum of 5 consecutive days, Mon. - Fri., 4:30 p.m. - 1:00 a.m.,

(3rd shift) 3rd Shift Hours are 8-hour shifts for a minimum of 5 consecutive days, Mon. - Fri., 12:30 a.m. - 8:00 a.m.,

(OT) Overtime Hours are hours in excess of 8 and up to 12 during any shift and the first 12 hours on Sat., except

(DT) Doubletime Hours are hours in excess of 12 during any shift including Sat., and all hours on Sun. and Holidays.

Charges for labor billing will be a minimum of two hours, which includes the following travel time between the Contractor's office and the Property, determined on a daily basis: (A) if eight or more service hours are rendered at the Property, round-trip time in excess of two hours; and (B) if less than eight service hours are rendered at the

Information provided within this document is Proprietary and Confidential. Disclosure of this information to any entity or personnel other than intended is prohibited unless expressly authorized by an Officer of PCC Network Solutions.

Technical labor support is available 24/7/365. Special T&M rates for dedicated on-site personnel can be provided.

Refer to PCC Network Solutions T&M Agreement for additional Terms & Conditions.



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**Exhibit A**  
Sample Project Proposal

**Statement of Work**

1. Furnish and install sixty (60) dual outlets with two (2) CommScope SYSTIMAX Category 6 cabling.
2. Furnish and install five (5) dual AP drops with two (2) CommScope SYSTIMAX Category 6A cabling.
3. Furnish and install a 25-pair CAT 5E cable to be terminated at DEMARC back board with M1 66 block split-50.
  - a. Terminate the other end on a 24-port CAT 5E patch panel, with the last 2 pairs terminated on 24th port in a T1 configuration (Violet/Brown and Violet/Slate).
4. Furnish and install (2) CAT 6A cable to be terminated at DEMARC back board on a surface-mount jack.
  - a. Terminate the other end to the 24-port unloaded CAT 6A angled patch panel.
5. Furnish and install one (1) new 4-post CPI cabinet with the following:
  - a. Cable Management:
    - i. CPI 6-inch double sided vertical
  - b. Patch Panels:
    - i. (3) 48-port angled CAT 6
    - ii. (1) 24-port, unloaded, angled CAT 6A
    - iii. Provide (60) reduced diameter patch cords
      1. (25) 4'
      2. (25) 5'
      3. (10) 7'
  - c. Include (60) 10' CAT6 patch cords for end devices
  - d. (1) APC Smart-UPS 1500VA - network cable installed
  - e. (1) APC AP7800B PDU
6. Furnish and install ladder rack & supports as designed in the plan.
7. Terminate all cable runs back to the MDF/IDF.
8. Furnish and install a 4-post rack
  - a. Cables shall be installed in the plenum above the drop ceiling and run to the equipment rack
9. At the station end, the cables shall be:
  - a. Terminated on Gray and Blue inserts (Category 6 or 6A as required)
  - b. Installed with white faceplates
    - i. SMB for Wireless drops, as per existing conditions.
10. All cables shall be tested and labeled per The City of Long Beach Telecommunications Specification.
11. Mount and connect customer-provided Cisco AP at each AP location.
12. Fire Stop Rated Penetrations.
13. Per addendum #2 Q-34 and per RFP NO. TI21-088.7.M (page 81), furnish and install 12-strand OS2 from DEMARC to IDF. Type and strand count not provided in addendum #2.
14. Per addendum #2 Q-31 furnish and install (1) RG-6 coax cable to all TV locations.
15. Test all copper and fiber optic cables per City standards.
16. Copper and fiber optic patch cords are installed by others.
17. Provided part number 760056580 has been discontinued and replaced with 760182923 - SYSTIMAX 24 PORT CAT5E PATCH PANEL ANGLED.



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SAMPLE PROPOSAL PRICING & BOM				
Quantity	Part Number	Description	MATERIAL	
			UNIT COST	TOTAL
		<b>Horizontal -Work Area Subsystem</b>		
		<b>C6e</b>		
15000	700208093	SYSTIMAX 2071e CAT6 BLUE CMP	\$0.51	\$7,681.74
0	760004689	SYSTIMAX 1071e CAT6 BLUE CMR	\$0.23	\$0.00
0	760008888	SYSTIMAX 1571 BK4 CAT6 OSP BLACK	\$0.36	\$0.00
0	700206683	SYSTIMAX CAT 6 INSERT ORANGE	\$8.23	\$0.00
60	700206758	SYSTIMAX CAT 6 INSERT BLUE	\$8.23	\$493.68
60	700206733	SYSTIMAX CAT 6 INSERT GRAY	\$8.23	\$493.68
0	760151308	SYSTIMAX 24 PORT PATCH PANEL CAT6 ANGLED	\$279.68	\$0.00
2	760151753	SYSTIMAX 48 PORT PATCH PANEL CAT6 ANGLED	\$559.34	\$1,118.68
0	CPC3312-0ZF003	SYSTIMAX CAT6 PATCH CORD 3 FOOT BLUE	\$7.04	\$0.00
0	CPC3312-0ZF005	SYSTIMAX CAT6 PATCH CORD 5 FOOT BLUE	\$7.70	\$0.00
0	CPC3312-0ZF007	SYSTIMAX CAT6 PATCH CORD 7 FOOT BLUE	\$8.38	\$0.00
0	CPC3312-0ZF009	SYSTIMAX CAT6 PATCH CORD 9 FOOT BLUE	\$9.08	\$0.00
25	CO166S2-0ZF003	SYSTIMAX CAT6 RDC PATCH CORD 3 FOOT BLUE	\$7.10	\$177.38
25	CO166S2-0ZF005	SYSTIMAX CAT6 RDC PATCH CORD 5 FOOT BLUE	\$7.79	\$194.70
10	CO166S2-0ZF007	SYSTIMAX CAT6 RDC PATCH CORD 7 FOOT BLUE	\$8.48	\$84.81
60	CO166S2-0ZF009	SYSTIMAX CAT6 RDC PATCH CORD 9 FOOT BLUE	\$9.17	\$550.44
		<b>C6A</b>		
1400	760107201	SYSTIMAX 2091 CAT6AA22:F53 CABLE CMP BLUE	\$0.74	\$1,039.84
0	760107094	SYSTIMAX 1091 CAT6A CABLE CMR BLUE	\$0.32	\$0.00
0	760178129	SYSTIMAX CAT6A CABLE OSP BLACK	\$0.65	\$0.00
20	760092379	SYSTIMAX 6A INSERT ORANGE	\$11.99	\$239.80
1	760151290	SYSTIMAX 24 PORT INSERT STYLE PATCH PANEL ANGLED (MODULAR)	\$137.92	\$137.92
0	CPCSSX2-0ZF003	SYSTIMAX CAT6A PATCH CORD 3 FOOT BLUE	\$9.52	\$0.00
0	CPCSSX2-0ZF005	SYSTIMAX CAT6A PATCH CORD 5 FOOT BLUE	\$10.44	\$0.00
0	CPCSSX2-0ZF007	SYSTIMAX CAT6A PATCH CORD 7 FOOT BLUE	\$11.37	\$0.00
0	CPCSSX2-0ZF009	SYSTIMAX CAT6A PATCH CORD 9 FOOT BLUE	\$12.30	\$0.00
10	CO199K2-0ZF003	SYSTIMAX CAT6A RDC PATCH CORD 3 FOOT BLUE	\$9.67	\$96.69
10	CO199K2-0ZF005	SYSTIMAX CAT6A RDC PATCH CORD 5 FOOT BLUE	\$10.63	\$106.26
0	CO199K2-0ZF007	SYSTIMAX CAT6A RDC PATCH CORD 7 FOOT BLUE	\$11.61	\$0.00



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0	CO199K2-0ZF009	SYSTIMAX CAT6A RDC PATCH CORD 9 FOOT BLUE	\$12.54	\$0.00
34	108168543	SYSTIMAX 4 PORT FACE PLATE	\$1.56	\$53.11
10	107984056	SYSTIMAX 2 PORT SMB WHITE	\$2.92	\$29.15
21	106650898	SYSTIMAX 3 PORT FURNITURE PLATE WHITE	\$2.20	\$46.20
0	107067928	SYSTIMAX WHITE BLANK INSERTS 100 PK	\$16.40	\$0.00
		<b>CATV</b>		
351	4112704/10	Systimax 2227V Video 60/40% AL, Copper/Clad Steel, 18AWG, CMP; Plenum White	\$0.00	\$0.00
1	4112704/10	Systimax 2227V Video 60/40% AL, Copper/Clad Steel, 18AWG, CMP; Plenum White	\$0.46	\$0.46
3	108009432	Systimax M81C-COUPLER "F" Connector Insert White, Gray, Black, Ivory	\$2.61	\$7.82
6	FSNS6U-25	Universal F Compression Connector for Standard through Quad-Shield Cable 25 PK	\$17.20	\$103.22
		<b>Labeling &amp; Testing</b>		
560	S100X150YAJ	Panduit Wrap Around labels (EA)	\$0.11	\$61.60
280	T038X000VPC-BK	Panduit Bk/Wh labels 3/8" (.38") (2 inch Label)	\$0.12	\$33.26
130	Labor Only	Permanent Link Test (Per Circuit)	\$0.00	\$0.00
3	Labor Only	Test Coax Cable	\$0.00	\$0.00
5	Labor Only	Install Customer Provided WAPS	\$0.00	\$0.00
		<b>Surface Raceway</b>		
0	LD5WH8-A	PANDUIT LD5 8 FOOT STICK	\$18.39	\$0.00
0	RAFC5WH-X	PANDUIT LD5 RIGHT ANGLE FITTING	\$2.00	\$0.00
0	ICFC5WH-X	PANDUIT LD5 INSIDE CORNER	\$2.11	\$0.00
0	CFX5WH-X	PANDUIT LD5 COUPLER	\$1.80	\$0.00
0	DCF5WH-X	PANDUIT LD5 ENTRANCE FITTING	\$1.98	\$0.00
		<b>Cable Support</b>		
124	50352	HILTI DX Cartridge 6.8/11M .27 cal. YELLOW-Power: Medium-10 Strips of 10 Shots	\$0.19	\$22.96
124	FIG100-01 01 72 01	6' Stiffy for Concrete (90 Degree Foot Print)	\$3.45	\$428.30
31	FIG201-03	3-1/2" Clip on Cradle	\$2.38	\$73.66
43	FIG201-02	2" Clip on Cradle	\$2.06	\$88.45
50	FIG201-01	1" Clip on Cradle	\$1.98	\$99.00
		<b>Copper Backbone</b>		
300	760103044	SYSTIMAX 25 PAIR CMP	\$3.11	\$932.58
0	760182907	SYSTIMAX 25 PAIR CMR	\$1.43	\$0.00
0	51-499-EL	ESSEX 25 PAIR OSP	\$1.55	\$0.00
0	49251-W62	LEVITON 2U WALL MOUNTED BRACKET	\$47.50	\$0.00
1	760182923	SYSTIMAX 24 PORT CAT5E PATCH PANEL	\$213.54	\$213.54



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		<b>ANGLED</b>		
1	S66M1-50	Siemon 66M1-50 Punch Block	\$11.53	\$11.53
1	S89B	Punch Block Bracket	\$2.24	\$2.24
50	Labor Only	Term Feeder (Per Pair)	\$0.00	\$0.00
25	Labor Only	Test Feeder (Per Pair)	\$0.00	\$0.00
600	760107201	SYSTIMAX 2091 CAT6AA22:F53 CABLE CMP BLUE	\$0.74	\$445.65
4	760092379	SYSTIMAX 6A INSERT ORANGE	\$10.35	\$41.40
1	760151290	SYSTIMAX 24 PORT INSERT STYLE PATCH PANEL ANGLED (MODULAR)	\$137.92	\$137.92
1	107984056	SYSTIMAX 2 PORT SMB WHITE	\$2.92	\$2.92
8	S100X150YAJ	Panduit Wrap Around labels (EA)	\$0.11	\$0.88
4	T038X000VPC-BK	Panduit Bk/Wh labels 3/8" (.38") (2 inch Label)	\$0.12	\$0.48
2	Labor Only	Permanent Link Test (Per Circuit)	\$0.00	\$0.00
		<b>Fiber Backbone</b>		
300	012ZU4-T4F22D20	CORNING 12 STRAND SM ALTOS Fast Access PLENUM	\$0.25	\$76.16
0	024ZU4-T4F22D20	CORNING 24 STRAND SM ALTOS Fast Access PLENUM	\$0.33	\$0.00
0	048ZU4-T4F22D20	CORNING 48 STRAND SM ALTOS Fast Access PLENUM	\$0.58	\$0.00
1	WCH-02P	CORNING WALL MOUNT FIBER PANEL	\$71.97	\$71.97
1	CCH-01U	CORNING 1U RACK MOUNT FIBER PANEL	\$174.08	\$174.08
0	CCH-04U	CORNING 4U RACK MOUNT FIBER PANEL	\$263.75	\$0.00
2	CCH-CP12-A9	CORNING 12 PORT SM COUPLER PANEL	\$75.96	\$151.91
0	CCH-CP24-A9	CORNING 24 PORT SM COUPLER PANEL	\$141.79	\$0.00
24	95-200-99	CORNING LC SM CONNECTOR	\$14.89	\$357.46
0	040402R5120002M	CORNING LC/LC SM PATCH CORD 2 METER DUPLEX	\$13.71	\$0.00
0	040402R5120003M	CORNING LC/LC SM PATCH CORD 3 METER DUPLEX	\$14.21	\$0.00
1	LOT	Fiber Labeling	\$5.50	\$5.50
12	Labor Only	OLTS (Bidirectional/Dual Wavelengths per Strand)	\$0.00	\$0.00
		<b>Telecom Room</b>		
0	11790-725	CPI WALL RACK 24X24X19	\$327.10	\$0.00
0	11791-725	CPI WALL RACK 36X24X19	\$376.07	\$0.00
0	55053-703	CPI 2 POST RACK	\$159.96	\$0.00
1	15215-703	CPI 4 POST RACK	\$575.96	\$575.96
2	35521-703	CPI 6 INCH DBLE SIDED VERT. MAN	\$830.30	\$1,660.60
0	35441-702	CPI 2U WIRE MANAGER	\$61.09	\$0.00



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2	10250-712	CPI 12 INCH LADDER RACK	\$93.37	\$186.74
1	10595-712	CPI 12"x3" Rack-To-Runway Mounting Plate Black	\$33.89	\$33.89
3	11421-712	CPI 12" Wall Angle Support Kit Black	\$24.66	\$73.99
1	10506-702	CPI 2"-3" Cable Runway Elevation Kit Black	\$37.55	\$37.55
1	11302-007	CPI 1 1/2" Junction Splice Kit Black	\$10.04	\$10.04
1	40164-001	CPI Ground Strap	\$30.23	\$30.23
4	40162-901	CPI #6 Two-Hole .625" Spacing Compression Lug	\$6.72	\$26.88
4	387512	Hilti Kwikbolt TZ Expansion Anchors 1/2" x 3-3/4" Each	\$1.88	\$7.53
6	BLS38	1/4"x1-1/4" Hex Head lag Bolts (Ea)	\$0.12	\$0.71
6	411751	Hilti 1/4" HD Hex Nut	\$0.05	\$0.31
25	THHN-6-STR-GRN-1000R	6 AWG Stranded Ground Wire	\$0.60	\$15.00
1	Smart-UPS 1500VA	APC Smart-UPS 1500VA	\$662.38	\$662.38
1	AP7800B	APC AP7800B PDU	\$444.68	\$444.68
		<b>Firestop &amp; Consumables</b>		
3	314721	Hilti-CP618 Firestop Putty Stick	\$33.96	\$101.89
2	151493	Velcro 5/8" OneWrap Plenum (25 Yards)	\$20.79	\$41.58
10	600GYBRTAPE	Dottie 3/4" Black Electrical Tape	\$0.98	\$9.79
1	650C	Pull String-Exxon Poly 210 lb. (6500' bx)	\$43.45	\$43.45
		<b>Close Out Documentation</b>		
1	NSP	As Built Drawing	\$55.00	\$55.00
1	NSP	Patch Matrix	\$0.00	\$0.00
1	NSP	Test Reports	\$0.00	\$0.00
1	NSP	Warranty Certificate	\$0.00	\$0.00
		Total Material		\$20,107.20
		Tax	10.25%	\$1,873.63
10.00	Labor	Project Manager	\$89.50	\$895.00
92.00	Labor	Foreman/Supervisor	\$99.50	\$9,154.16
92.00	Labor	Technician	\$84.50	\$7,774.14
8.00	Labor	Fiber Technician	\$99.50	\$795.68
		Misc. Expense (Permit)		\$165.00
		<b>Project Total</b>		<b>\$40,764.80</b>



# EXHIBIT “C”

City’s Representative:

John Duplissis

(562) 570-7176

# EXHIBIT “D”

Materials/Information Furnished: None

# EXHIBIT “E”

Consultant’s Key Employee:

Richard Harris