

CITY OF OAKLAND



2005 OCT 27 PM 5:45

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November 8, 2005

Honorable Jean Quan and Members
Finance & Management Committee
Oakland City Council
Oakland, California

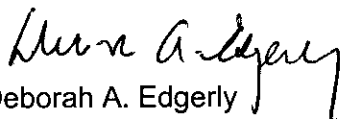
RE: Supplemental Report with Responses to Questions Raised by City Council
Regarding the Granting of a Cable Franchise to Comcast of California/Colorado, LLC

Chairperson Quan and Members of the Finance Committee:

The purpose of this report is to provide responses to City Council questions raised at the October 11, 2005 meeting of the Finance & Management Committee regarding the proposed cable franchise with Comcast of California/Colorado, LLC.

The attachment to this report contains responses to all of the questions from the Committee meeting. Additionally, City staff and Comcast staff will be available at the November 8th meeting to answer any additional questions you may have.

Respectfully submitted,


Deborah A. Edgerly
City Administrator

Attachments:

- A – Responses to City Council Questions from the October 11, 2005 Finance & Management Committee Meeting*
- B – Cost Roll-up Spreadsheets showing details of I-Net Costs*

Item #: _____
Finance & Management Committee
November 8, 2005

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Institutional Network (I-Net)

A. Please describe the proposed I-Net (Institutional Network) and how you think it would benefit the people of Oakland?

The I-Net is a network of fiber optic cables running throughout the City to connect each of the identified City and School district facilities. This is like a paved road that connects various buildings in the city – the difference being that the I-Net carries electronic data. As part of the agreement, Comcast will furnish and extend its fiber network to each of the city facilities. Fiber cable that has no equipment attached to it is called “dark fiber”. When equipment is attached in the form of data transmission equipment (routers and switches), data is transmitted by way of light, across the fiber cables.

The benefits to the citizens of Oakland are both direct and indirect. These include:

- Financial savings: Reducing and eliminating the cost of SBC lines presently transmitting this data, especially in the Police and Fire departments.
- Continuation of services: It has been demonstrated in numerous disasters that local telephone and data services are unavailable during these times. Studies after 9/11 in New York showed that while the local carriers were down, the City’s I-Net functioned and provided critical services. In the case of a disaster, citizens could report to local City facilities to report emergencies and receive coordinated information.
- Scalability: The I-Net can be scaled up or down depending on the need of the facility. For example, if a fire station is closed for retrofit and is consolidated at another city location, their data equipment and services could be moved or re-routed to a new location on the I-Net.
- Additional services: The expansion of data capabilities throughout the City will allow for services to be delivered at multiple locations. For example, if information on permits was needed in East Oakland, fire stations and libraries could be set up to obtain information and even process simple permits and licensing. Firefighters can have training on-site rather than traveling out of the district to obtain training at the Fire training facility.

B. Although this proposed I-Net technology might benefit some schools, could we instead use the money for basic needs at schools such as books, supplies, and emergency repairs?

No. Under the Federal Cable Act, the City is entitled to require Comcast to meet its future *cable related* needs and interests, taking into account the cost of meeting those

interests. Thus, any support for education must be related to cable – i.e. capital support for educational access programming, or in this case, institutional network support to the schools. Any other use of the funds, or any other monetary support requirements would not fit within any of the exceptions for the definition of franchise fees under the Cable Act, and thus Comcast would be entitled to offset such payments from the franchise fee, because such payments would constitute a franchise fee in excess of the 5% statutory cap.

C. Where is the detailed budget for the I-Net system? Will all costs (capital and operating costs) be covered by the \$17 million?

A spreadsheet is attached that details the construction costs. Both the City and the School District have made preliminary estimates which indicate that there will be sufficient funds to build the I-Net facilities identified. Several facilities were ruled out (e.g. the golf course) because we could not justify the costs to provide this service. The column marked City/Schools cost, represents the estimates based on the average cost of a given site for entrance facilities and equipment. If equipment already exists, there is a lower number listed (such as Fire stations). Operating costs are included in the equipment we presently list for City facilities such as fire stations and police facilities. Equipment that is purchased is purchased with warranties. Currently, the City and the School district are obligated to maintain fiber and conduits on City and School property. This holds true for the I-Net agreement also. We have trained City staff who maintain fiber cables and equipment and will continue to provide this service on I-Net sites.

D. Please provide a detailed, line-item budget of all costs. This should include:

- i. the cost to install the I-Net “backbone” infrastructure**
Listed on the attached spreadsheet, column marked City/Schools cost.
- ii. the cost to install any network equipment required to use the I-Net system, [Section 5.6 (page 7) of the I-Net Agreement, Schedule 8-1 says “Grantee (Comcast) shall not install or be responsible for any I-Net equipment”**
Listed on the attached spreadsheet, column marked City/Schools cost.
- iii. the cost to install any cable from the streets to the buildings,**
Listed on the attached spreadsheet, column marked City/Schools cost.
- iv. the costs to operate and maintain the system, including any costs to hire new personnel. [Section 10 (page 12) of the I-Net Agreement, Schedule 8-1) implies the City will incur**

maintenance costs.]

Listed on the attached spreadsheet, column marked City/Schools cost.

E. If Comcast provides the \$17 million over 13 years, who pays the upfront costs to install the I-Net system – or will it take 13 years to complete?

Under the terms of the proposed franchise (Section 10.10.2), Comcast will pay for the upfront construction costs in the form of construction credits. The I-Net Agreement (Section 7.3) required that the I-Net construction be substantially completed within 48 months of the effective date of the franchise. The I-Net construction is \$5.4 million out of the \$17.4 million total.

F. If we don't accept the current I-Net portion of the agreement, will Comcast be able to pass along the cost of the work that they already did to consumers? Have they done so already?

No. The obligation to construct the I-Net accrues as of the granting of the renewed franchise and the execution of the I-Net Agreement. In as much as the construction completed by Comcast to date consists only of fiber that is integrated with Comcast's subscriber network fiber, Comcast would retain that additional fiber capacity for its own use.

G. Assuming we know the cost of laying the fiber, do we know the costs of the other steps that I listed above? What if they exceed the \$17 million?

Current estimates show that the I-Net can be built within the allotted budget. These estimates were generated by Comcast and its subcontractors. We have also consulted independent contractors who have verified that the costs are consistent with the local industry. Sites will be prioritized and those sites that provide critical service and cost reduction will be accomplished first.

Just to reiterate, the I-Net portion of the \$17.4 million, is the \$5.4 in construction credits plus whatever is allocated for equipment costs. The other portion of the \$17.4 is for PEG capital (equipment and facilities for KTOP, KDOL, Public Access studio, Peralta, etc).

H. For the I-Net, who is expected to pay for all of the operation and maintenance costs not covered by Comcast?

The operation costs are the same as the operating costs the City incurs for the network we're currently using. Those locations that "upgrade" will be handled in the same manner we would with any new equipment costs. The I-Net does not generate any new costs that are not directly under our control. The I-Net itself is simply fiber that does not need maintenance unless it is physically damaged in a section that is solely

for the City or School. These costs are normally the responsibility of the City or school to repair. During the 18 year history of the City's I-Net, there has only been one occurrence of damage to the fiber network. The damage occurred on the Broadway fiber to the Hall of Justice and the system re-routed service to the alternate fiber path. Data communications continued and the fiber was repaired. This is no different than conduit failures at any of our locations today. City staff is trained on fiber installation and repairs and most of these repairs can be handled by City staff.

I. What are our costs to continue to make the I-Net function once we buy into it?

Comcast has not yet installed fiber to within 150 ft of all the public facilities listed in the I-Net Agreement. Comcast has already installed the "Integrated Backbone Fiber" – that is, the fiber for the City's use that tracks where Comcast installed fiber for its subscriber network use. Such fiber runs from Comcast's headend to Comcast's "Hubs", and from Comcast's "Hubs" to the neighborhood nodes. However, it is important to point out that in its subscriber network construction, Comcast utilizes, and thus installed, fiber only to neighborhood "nodes" – from there, Comcast connects homes and other sites to the node via coaxial cable, not fiber. Unlike the subscriber system, however, the I-Net, because of the much higher capacity required, needs to be a total fiber system. Thus, the construction to be done to complete the I-Net involves constructing fiber from the subscriber network hubs to City I-Net hubs, and then from City I-Net hubs to the demarcation point in each building to be served by the I-Net.

The total funding allocated for construction is \$5.4 million – a figure which is based on the best construction estimates developed by AT&T, Comcast, and the City's engineers. This funding is provided in the form of construction credits. The remaining I-Net construction described above will proceed in phases, and at each phase, Comcast will provide the City with actual construction costs to connect the sites in that phase, and to the extent the actual costs exceed what is allocated (on a proportional basis considering the number of sites in that phase and the total construction budget), the City and School District will need to make some decisions as to which sites to construct to, etc. The costs to any particular site will obviously vary depending on whether it is underground or overhead, how far the building is from the rights-of-way, how many other I-Net sites are located in the same vicinity, how far the building is from the City I-Net hub, etc. To the extent the City does not spend the entire \$5.4 million on the I-Net construction, the remaining amount will be made available to the City for PEG or I-Net capital facilities and equipment pursuant to Section 10.10 of the franchise.

Attached is a spreadsheet showing the costs associated with each of the locations and the interconnections. The spreadsheet also indicates the estimates associated with the estimated City costs (Column marked City/School costs)

J. Would it be cheaper to go with DSL or some new WI-MAX? Isn't it possible that we don't need or can't take advantage of all that bandwidth at all of the locations?

Most sites today have a minimum of DSL at the location. DSL alone does not meet the current needs of these sites and additional bandwidth is needed. Each site will be reviewed as to their needs today and into the future. Equipment for the particular site does not need to be purchased immediately and can be postponed to a later date. Some of the sites may be eliminated if there is no reasonable expectation that they will need the additional bandwidth. Once construction is complete, the City will no longer need to lease T-1 lines for DSL and other purposes.

K. If schools have access to the I-Net, is the City expected to pay for the school district's operating/maintenance costs? If not, does the school district know they need to pay these operating/maintenance costs?

No, the City is not expected to pay for the school district's operating costs for the I-Net. The school district participated in negotiation meetings regarding the I-Net and understands that they are responsible for their separate ongoing costs in utilizing the I-Net.

L. Section 5.1 (page 6) of the I-Net Agreement, Schedule 8-1 says "The Integrated I-Net Backbone will be owned and maintained by Grantee" (Comcast). If Comcast owns the I-Net, why should the City spend money for the operating/maintenance costs?

Comcast owns the "Integrated I-Net Backbone" fiber because, as the term implies, the fiber is integrated with Comcast's subscriber network backbone. This integration enables a substantial reduction in the City's cost for construction of the I-Net, as compared to the cost if the City constructed or required Comcast to construct a completely separate, stand-alone fiber-based I-Net system, because the integrated fiber was constructed in conjunction with Comcast's construction of its rebuilt cable system. Because the backbone fiber is integrated with Comcast's subscriber network fiber, Comcast is responsible for maintaining that backbone fiber. However, under the I-Net Agreement (Section 4.1), the City is granted an irrevocable right of use of the I-Net for not only the term of the proposed franchise but for any renewals or extensions of the franchise as well. Thus the City should not ever have to renegotiate the use of the I-Net.

M. Is it possible that I-Net technology will soon be obsolete because of advances in wireless broadband technology? If so, why invest now in an I-Net?

The I-Net is fiber optic based and greatly exceeds the capacities and speeds that can be generated by wireless broadband. The two technologies complement each other

and those locations that cannot be served economically by fiber, are great candidates for wireless.

Connection speeds in comparison to proposed INET

Connection Type	Connection Speed
Dial-up	28.8 - 56 Kbps
DSL/ Cable	384 - 6,144 Kbps
T-1 SBC	1,544 Kbps
WiFi connections	11,264- 55,296 Kbps
T-3 SBC	46,080 Kbps
Standard INET Connection	102,400 Kbps
High Speed INET Connection	1,024,000 Kbps

N. How flexible is the \$17.4 million? What can it be spent on? Would there be City-related costs necessary to make the I-Net operable?

The \$17.4 million must be spent on PEG and I-Net capital facilities and equipment – otherwise, under the Cable Act, Comcast has the right to offset the funds against the franchise fee payments as a fee in excess of the 5% statutory cap, because funding for PEG and I-Net capital facilities are specifically excluded from the Cable Act definition of franchise fees. The City has flexibility with respect to deciding specifically how to spend the \$17 million on PEG and I-Net capital facilities and equipment.

O. What would prevent us from investing the \$17 million toward other goals such as reducing crime or re-paving streets?

The \$17 million is not the cost of the I-Net – the \$17 million figure includes funding for both the I-Net and Public, Educational, and Government access capital equipment and facilities. As discussed in the response to Question N, the Cable Act provides a cap on franchise fees, which is 5% of gross revenues from the provision of Cable Services. The Act excepts certain payments the operator is required to make under the franchise from the definition of franchise fees (47 U.S.C. §546(g) – among those are payments for PEG and I-Net capital support. Any payments imposed on the cable operator that do not fall within one of the exceptions would be considered a franchise fee, thus, the operator would be entitled to offset such payments from the franchise fee payments so that the total franchise fee does not exceed the 5% cap.

Cable Rates

P. In which cities has Comcast passed through to subscribers the costs of community benefits?

Comcast retains the right under Federal Law to recover costs from subscribers, and to itemize those costs as line-items on subscriber bills. However, Comcast is not required to recover any or all of those costs, and is not required to itemize such recovery. Thus there is no way to determine whether Comcast is or is not passing through all or a portion of PEG/I-Net and other franchise-related costs in rates other than what Comcast does itemize on subscriber bills in other cities, especially since rates other than basic tier rates are completely unrelated.

Q. Analyze Comcast's current cable rates and discuss how much is a federal regulation and how much is at Comcast's discretion. Explain why the regional comparisons are so different.

Comcast will address the issue of regional cable rates orally at the meeting.

Cable rates, except for those rates on the basic tier, are completely unregulated at any level. Local franchise authorities can regulate rates on the basic tier, within the guidelines of rate regulation rules established by the FCC, which establishes benchmark rates on the basic tier under a complex formula. The City can elect to begin regulating basic tier rates by applying for certification at the FCC. It should be pointed out that it is an expensive and time-consuming function, generally requiring outside rate regulation consultants and many communities who were regulating rates historically stopped doing so after 1996, when the Telecommunications Act of 1996 eliminated rate regulation on all other tiers except the Basic Service Tier.

Annual Reports

R. Can we have the annual report beginning in the first year of the agreement?

Yes. The annual reports in the franchise agreement start in Year 4 because that is when the annual PEG/I-Net payments from Comcast start, but Council is free to require staff to provide annual reports concerning the allocation and spending of the initial PEG/I-Net grants and I-Net construction credits.

Labor-Related Issues

S. If we change the labor rules for this franchise then do we have to change the rules for all City franchises? What does this mean for our operations?

The City Attorney will address this in a confidential memo or in closed session.

Senior Citizen Discount

T. Do we currently require Comcast to provide a discount for senior citizens or low-income customers? [Section 6 of the 1999 Settlement Agreement appears to require a discount to low-income customers.]

Yes. In settlement of certain non-compliance issues as part of the City's approval of the transfer of control of the franchise from TCI to AT&T, AT&T agreed to provide a 20% discount on its rates for basic and basic expanded cable service to subscribers who qualified for SSI or SSDI payments.

U. Does the proposed Franchise Agreement require that Comcast continue to provide these discounts?

No. Comcast has refused to accept any continuing franchise requirement to provide such discounts as part of this renewal.

Undergrounding Language

V. Is the undergrounding language in the franchise compatible with other Cities or past commitments to our undergrounding?

The undergrounding requirement is consistent with our previous franchise and the general practice in most other communities: Comcast is required to underground at their cost whenever all existing utilities are located in an area in the City. See section 5.16.390(F) of the Cable Ordinance and section 2.8 of the Franchise.

Liquidated Damages

W. On page 39 of the agreement, it states that there is a \$300,000 penalty for failure to complete construction. Should this be higher? What about the insurance levels – are they set at appropriate limits? Please comment on the other penalty areas and whether they are appropriate.

Under California law, liquidated damages, which are set forth in Section 15.4 of the Agreement, generally must be rationally related to the City's actual damages. The liquidated damage amounts and caps were heavily negotiated. The \$300,000 cap for failure to complete construction of the rebuild made sense in this context, because Comcast was almost finished with the construction at the time the liquidated damages were negotiated, notwithstanding that their actual rebuild completion requirement, which is a term of the MOU, is 4 years after the effective date of the renewed franchise.

We believe all other liquidated damage amounts are appropriately calculated to the nature of the violation. Further, the caps makes sense because to the extent a franchise violation continues after imposition of liquidated damages to the point where the cap amount is met, such violation would rise to the level of materiality and/or willfulness such that revocation would then become the more appropriate remedy.

The amounts for the penalties provided in the Regulatory Ordinance for violations of customer service standards are set by state law (Government Code 53088.2(r)).

PEG Channels

- X. Explain the 5 analog PEG channels in more detail. Explain the partners and whether they have been included in negotiations and whether they are pleased with this deal. Explicitly discuss OUSD and Peralta Colleges, but also discuss whether there is an opportunity for new partners like the Museum or Chabot Science Center.**

The five analog PEG channels reflect the four channels currently being utilized by the City (the Government Access Channel (KTOP); two Educational Access channels currently programmed by OUSD; and one Educational Access channel currently programmed by Peralta College); and a new Public Access channel to be provided when the City requests it. In addition, up to 2 additional analog PEG channels can be triggered under the agreement when the channels currently being utilized reach the programming levels set forth in section 10.4 of the proposed cable franchise agreement. The City will be able to trigger up to 15 total digital PEG channels after Comcast transfers all programming to a digital format.

OUSD participated in the negotiations, and though more channels are always desired, the OUSD representatives agreed to the number of negotiated channels and the language regarding triggering additional channels. Peralta Colleges is not named specifically in the cable franchise agreement, but they were included in the needs assessment and all of the financing decisions made regarding PEG funding.

System Bandwidth

- Y. Is the 850 Mhz system the appropriate bandwidth – will it soon be obsolete?**

Cable companies are licensed to operate in the 65 - 850 MHz bandwidth. The higher frequencies are associated with the additional capacities of digital transmissions. This is the appropriate bandwidth which allows the cable provider to provide the greatest amount of services (voice/video/data).

The 850 MHz system is today's standard for land-based systems. The basic design of the Comcast system will allow the operators of the system to adapt to future technologies, such as high-speed land and wireless-based systems. The backbone of the system is fiber which could be expanded further to include fiber to the home, if warranted, in the same manner in which we have structured the I-Net. This design allows wireless to feed back to the fiber backbone to create a high speed data network.

**Cost Roll-up
Proposed I-Net Sites**

ATTACHMENT B.1

Site Num	Site type ID	Site Name	Address / Location	Fiber Optic Cable Cost	Total Splicing Material Cost	Total Splicing Labor Cost	Cable Placement Cost	Exclusive Trench Cost
1	Fire	Fire Station # 20 (36)	1401 98th Avenue	\$502.32	\$850.00	\$630.00	\$5,190.00	\$0.00
2	Fire	Fire Station # 21 (37)	13150 Skyline Blvd	\$2,896.96	\$850.00	\$1,050.00	\$760.00	\$0.00
3	Fire	Fire Station # 23 (39)	7100 Foothill Blvd	\$481.32	\$1,300.00	\$630.00	\$5,531.40	\$0.00
4	Fire	Fire Station # 26 (42)	2611 98th Ave.	\$689.92	\$1,750.00	\$1,050.00	\$9,051.80	\$0.00
5	Fire	Fire Station # 28 (44)	4615 Grass Valley Road	\$477.40	\$850.00	\$630.00	\$6,479.00	\$0.00
6	Library	Elmhurst Library (49)	1427 88th Avenue	\$1,443.95	\$850.00	\$1,260.00	\$5,627.80	\$0.00
7	Library/Senior	Brookfield Library, East Oakland Senior Center (66)	9255 Edes Ave	\$459.48	\$850.00	\$630.00	\$6,235.80	\$0.00
8	Parks and Re	Tassafaronga Rec. Center (72)	975 85th Ave	\$524.88	\$850.00	\$840.00	\$4,419.40	\$0.00
9	Parks and Re	Sheffield Village Rec. Center (81)	247 Marlow Drive	\$2,504.42	\$850.00	\$1,260.00	\$18,496.20	\$0.00
10	Parks and Re	Arroyo Viejo Rec. Center/ CDC* (106)	7701 Krause Ave	\$1,024.41	\$1,300.00	\$1,050.00	\$760.00	\$0.00
11	Parks and Re	Brookfield Rec. Center (107)	9175 Edes Ave	\$490.28	\$1,300.00	\$420.00	\$4,222.00	\$0.00
12	Parks and Re	Carter Rec. Center (Verdessa Carter) (108)	9600 Sunnyside Street	\$270.20	\$1,300.00	\$630.00	\$2,290.00	\$0.00
13	Peralta CCD	Merritt College Campus (110)	12500 Campus Drive	\$702.47	\$850.00	\$630.00	\$0.00	\$0.00
14	Police	Eastmont Substation (112)	2701 73rd Avenue	\$638.40	\$1,300.00	\$630.00	\$30,384.00	\$24,000.00
15	Police	911 Dispatch (119)	7101 Edgewater Dr.	\$112.00	\$850.00	\$420.00	\$1,520.00	\$0.00
16	Public Works	Municipal Service Center (137)	7101 Edgewater Drive	\$1,781.93	\$850.00	\$840.00	\$1,520.00	\$0.00
17	Schools	Castlemont High School (139)	8601 MacArthur Blvd	\$287.53	\$850.00	\$630.00	\$760.00	\$0.00
18	Schools	Skyline High School (144)	12250 Skyline Blvd	\$1,490.68	\$850.00	\$840.00	\$5,545.80	\$0.00
19	Schools	Elmhurst Jr. High School (146)	1800 98th Ave	\$813.98	\$850.00	\$840.00	\$5,958.20	\$0.00
20	Schools	King Estates Jr. High School (158)	8251 Fontaines Street	\$2,048.48	\$850.00	\$840.00	\$17,248.20	\$0.00
21	Schools	Brookfield Elementary/ CDC (165)	401 Jones	\$1,322.48	\$850.00	\$840.00	\$5,821.60	\$0.00
22	Schools	Burckhalter Elementary (167)	3994 Burckhalter Ave	\$224.28	\$850.00	\$630.00	\$3,043.80	\$0.00
23	Schools	E Morris Cox Elementary/ CDC (170)	9860 Sunnyside Street	\$1,033.25	\$850.00	\$1,050.00	\$8,248.20	\$0.00
24	Schools	Grass Valley Elementary/ CDC (180)	4720 Dunkirk Ave	\$2,151.86	\$1,300.00	\$840.00	\$16,012.80	\$0.00
25	Schools	Highland Elementary/ CDC* (182)	8521 A Street	\$363.16	\$850.00	\$630.00	\$4,928.60	\$0.00
26	Schools	Parker Elementary/ CDC (197)	7929 Ney Avenue	\$113.64	\$850.00	\$630.00	\$760.00	\$0.00
27	Schools	Sobrante Park Elementary (205)	470 El Paseo Drive	\$316.12	\$1,300.00	\$630.00	\$4,290.20	\$0.00
28	Schools	Stonehurst Elementary/ CDC* (206)	10315 E Street	\$1,382.51	\$1,300.00	\$1,260.00	\$1,520.00	\$0.00
29	Schools	Toler Heights Elementary (208)	9736 Lawlor Street	\$922.45	\$850.00	\$840.00	\$8,082.60	\$0.00
30	Schools	Howard Elementary/ CDC (212)	8755 Fontaine Street	\$813.83	\$850.00	\$840.00	\$2,000.00	\$0.00
31	Schools	Marshall Elementary (215)	3400 Malcolm Avenue	\$56.00	\$850.00	\$420.00	\$760.00	\$0.00
32	Schools	Aspire Public School (229)	1445 101st Ave	\$761.04	\$1,300.00	\$630.00	\$9,882.00	\$0.00
33	Schools	Woodland School (234)	1025 81st Ave.	\$723.33	\$850.00	\$1,050.00	\$1,261.60	\$0.00
34	0	Oakland Zoo (247)	9777 Golf Links Road	\$168.00	\$850.00	\$420.00	\$2,280.00	\$0.00
35	City	Dunsmir House (12)	2960 Peralta Oaks Ct.	\$1,075.02	\$850.00	\$840.00	\$19,455.60	\$12,000.00
36	Fire	Fire Station # 27 (43)	8501 Pardee Drive	\$1,930.88	\$850.00	\$630.00	\$135,513.80	\$124,280.00
37	Schools	James Madison Jr. High School (157)	400 Capistrano Drive	\$770.63	\$850.00	\$840.00	\$1,140.00	\$0.00
38	Schools	Webster Academy/ CDC* (210)	8000 Birch Street	\$373.24	\$850.00	\$630.00	\$5,065.40	\$0.00

**Cost Roll-up
Proposed I-Net Sites**

ATTACHMENT B.1

39		0 Lake Chabot Golf Maintenance Section (248)	End of Golf Links Road	\$2,022.72	\$850.00	\$630.00	\$201,370.00	\$196,760.00
40	Schools	Carl Munck Elementary/ CDC* (213)	11900 Campus Drive	\$1,351.00	\$850.00	\$630.00	\$11,576.00	\$0.00
41	Police	Eastmont Precinct (Future 10-1-01) (121)	73rd Ave & Bancroft Ave.	\$1,901.20	\$850.00	\$420.00	\$97,007.40	\$78,680.00
42		0 Eastmont Library (47)	1 Eastmont Mall # 66	\$861.00	\$850.00	\$630.00	\$33,405.00	\$24,000.00
43	Oakland	Oakland/ALCO Coliseum (17)	66th Ave. Coliseum Way	\$1,282.96	\$850.00	\$420.00	\$183,280.00	\$183,280.00
44	Oakland	South Airport Building Services offices (128)	Bldg. M-104, John Glenn Drive	\$840.00	\$1,300.00	\$420.00	\$120,000.00	\$120,000.00
45	Oakland	Airport Facilities (N. Field) (129)	Bldg. L-311, 8980 Earhart Road	\$351.40	\$850.00	\$630.00	\$50,200.00	\$50,200.00
46	Oakland	Airport Construction Offices(N. Field) (130)	Bldg. L-142, Earhart Road	\$352.24	\$850.00	\$630.00	\$50,320.00	\$50,320.00
47	Oakland	North Airport Administration Building (131)	Bldg. L-107, 9532 Earhart Road	\$638.68	\$850.00	\$840.00	\$91,240.00	\$91,240.00
50	Fire	Fire Station # 22 (38)	1 Airport DR	\$555.10	\$850.00	\$630.00	\$79,300.00	\$79,300.00
51	Port	Oakland Airport (2nd drop) (120)	1 Airport DR	\$555.10	\$1,300.00	\$630.00	\$79,300.00	\$79,300.00
52	Port	Oakland Airport (126)	1 Airport DR	\$555.10	\$850.00	\$630.00	\$79,300.00	\$79,300.00
53		0 Blank		\$0.00	\$400.00	\$0.00	\$0.00	\$0.00
		Sub Totals		45,409.22	\$48,750.00	\$36,540.00	\$1,438,364.20	\$1,192,660.00

**Cost Roll-up
Proposed I-Net Sites**

ATTACHMENT B.1

Site Num	Optical Tranceiver Pair	Construction Permits	Design & Engineering	City /School costs	Walkout	Material Total	Labor Total	Site Costs
1	\$0.00	\$181.65	\$152.90	\$3,300.00	\$75.00	\$1,470.65	\$9,529.55	\$11,000.20
2	\$0.00	\$26.60	\$1,798.13	\$3,300.00	\$75.00	\$4,074.82	\$7,009.73	\$11,084.55
3	\$0.00	\$193.60	\$146.51	\$3,300.00	\$75.00	\$1,937.19	\$9,876.50	\$11,813.69
4	\$0.00	\$316.81	\$210.00	\$3,300.00	\$75.00	\$2,653.41	\$14,003.61	\$16,657.03
5	\$0.00	\$226.77	\$145.31	\$3,300.00	\$75.00	\$1,443.55	\$10,856.08	\$12,299.63
6	\$0.00	\$196.97	\$726.05	\$7,200.00	\$75.00	\$2,494.67	\$15,065.82	\$17,580.49
7	\$0.00	\$218.25	\$139.86	\$7,200.00	\$75.00	\$1,424.06	\$14,498.91	\$15,922.97
8	\$0.00	\$77.34	\$235.40	\$7,200.00	\$75.00	\$1,495.18	\$12,847.14	\$14,342.31
9	\$0.00	\$323.68	\$1,027.93	\$7,200.00	\$75.00	\$3,647.93	\$28,382.81	\$32,030.74
10	\$0.00	\$26.60	\$519.03	\$7,200.00	\$75.00	\$2,527.80	\$9,630.63	\$12,158.43
11	\$0.00	\$147.77	\$149.23	\$7,200.00	\$75.00	\$1,946.93	\$12,214.00	\$14,160.93
12	\$0.00	\$80.15	\$82.24	\$7,200.00	\$75.00	\$1,707.59	\$10,357.39	\$12,064.99
13	\$0.00	\$0.00	\$394.69	\$7,200.00	\$75.00	\$1,688.31	\$8,299.69	\$9,988.00
14	\$0.00	\$1,063.44	\$194.32	\$7,200.00	\$75.00	\$2,108.01	\$39,546.76	\$41,654.77
15	\$0.00	\$53.20	\$34.09	\$7,200.00	\$75.00	\$1,046.18	\$9,302.29	\$10,348.47
16	\$0.00	\$53.20	\$943.72	\$7,200.00	\$75.00	\$2,862.22	\$10,631.92	\$13,494.14
17	\$0.00	\$26.60	\$173.27	\$11,000.00	\$75.00	\$1,237.06	\$12,664.87	\$13,901.93
18	\$0.00	\$194.10	\$757.41	\$11,000.00	\$75.00	\$2,545.49	\$18,412.32	\$20,957.81
19	\$0.00	\$208.54	\$329.49	\$11,000.00	\$75.00	\$1,809.58	\$18,411.23	\$20,220.80
20	\$0.00	\$603.69	\$832.84	\$11,000.00	\$75.00	\$3,152.10	\$30,599.73	\$33,751.83
21	\$0.00	\$203.76	\$712.33	\$11,000.00	\$75.00	\$2,362.58	\$18,652.69	\$21,015.26
22	\$0.00	\$106.53	\$68.27	\$11,000.00	\$75.00	\$1,168.28	\$14,923.60	\$16,091.88
23	\$0.00	\$288.69	\$442.07	\$11,000.00	\$75.00	\$2,048.03	\$21,103.96	\$23,152.00
24	\$0.00	\$560.45	\$874.26	\$11,000.00	\$75.00	\$3,753.90	\$29,362.51	\$33,116.41
25	\$0.00	\$172.50	\$110.54	\$11,000.00	\$75.00	\$1,319.31	\$16,916.64	\$18,235.95
26	\$0.00	\$26.60	\$54.72	\$11,000.00	\$75.00	\$1,047.96	\$12,546.32	\$13,594.27
27	\$0.00	\$150.16	\$96.22	\$11,000.00	\$75.00	\$1,757.53	\$16,241.58	\$17,999.11
28	\$0.00	\$53.20	\$826.45	\$11,000.00	\$75.00	\$2,917.23	\$14,734.65	\$17,651.88
29	\$0.00	\$282.89	\$401.85	\$11,000.00	\$75.00	\$1,927.54	\$20,682.34	\$22,609.88
30	\$0.00	\$70.00	\$441.14	\$11,000.00	\$75.00	\$1,809.41	\$14,426.14	\$16,235.55
31	\$0.00	\$26.60	\$17.05	\$11,000.00	\$75.00	\$985.28	\$12,298.65	\$13,283.92
32	\$0.00	\$345.87	\$231.65	\$11,000.00	\$75.00	\$2,241.38	\$22,164.52	\$24,405.90
33	\$0.00	\$44.16	\$436.36	\$11,000.00	\$75.00	\$1,711.00	\$13,867.12	\$15,578.11
34	\$0.00	\$79.80	\$51.14	\$7,200.00	\$75.00	\$1,107.08	\$10,105.94	\$11,213.01
35	\$0.00	\$680.95	\$473.44	\$7,200.00	\$75.00	\$2,093.46	\$28,724.98	\$30,818.44
36	\$0.00	\$4,742.98	\$587.73	\$3,300.00	\$75.00	\$3,024.21	\$144,849.51	\$147,873.72
37	\$0.00	\$39.90	\$393.41	\$11,000.00	\$75.00	\$1,762.44	\$13,488.31	\$15,250.75
38	\$0.00	\$177.29	\$113.61	\$11,000.00	\$75.00	\$1,330.27	\$17,061.30	\$18,391.57

**Cost Roll-up
Proposed I-Net Sites**

ATTACHMENT B.1

39	\$0.00	\$7,047.95	\$615.68	\$7,200.00	\$75.00	\$3,124.08	\$216,938.63	\$220,062.71
40	\$0.00	\$405.16	\$411.22	\$11,000.00	\$75.00	\$2,393.59	\$24,097.38	\$26,490.97
41	\$0.00	\$3,395.26	\$578.69	\$7,200.00	\$75.00	\$2,991.93	\$108,676.35	\$111,668.28
42	\$0.00	\$1,169.18	\$262.07	\$7,200.00	\$75.00	\$1,860.71	\$42,741.25	\$44,601.96
43	\$0.00	\$6,414.80	\$390.51	\$21,000.00	\$75.00	\$2,319.59	\$211,580.31	\$213,899.91
44	\$0.00	\$4,200.00	\$255.68	\$21,000.00	\$75.00	\$2,327.25	\$145,950.68	\$148,277.93
45	\$0.00	\$1,757.00	\$106.96	\$21,000.00	\$75.00	\$1,306.52	\$73,768.96	\$75,075.48
46	\$0.00	\$1,761.20	\$107.22	\$21,000.00	\$75.00	\$1,307.44	\$73,893.42	\$75,200.85
47	\$0.00	\$3,193.40	\$194.40	\$21,000.00	\$75.00	\$1,618.94	\$116,542.80	\$118,161.74
50	\$0.00	\$2,775.50	\$168.96	\$21,000.00	\$75.00	\$1,528.05	\$103,949.46	\$105,477.51
51	\$0.00	\$2,775.50	\$168.96	\$21,000.00	\$75.00	\$2,017.42	\$103,949.46	\$105,966.88
52	\$0.00	\$2,775.50	\$168.96	\$21,000.00	\$75.00	\$1,528.05	\$103,949.46	\$105,477.51
53	\$0.00	\$0.00	\$0.00		\$0.00	\$435.00	\$0.00	\$435.00
	\$0.00	\$49,941.72	\$18,753.96	#####	\$3,750.00	\$102,398.15	\$2,070,349.89	\$2,172,748.04

Cost Sub Total	\$2,172,748.04
Contingency 10%	\$217,274.80
Total	\$2,390,022.84

**Cost Roll-up
Proposed I-Net Sites**

ATTACHMENT B.2

Site Num	Site type ID	Site Name	Address / Location	Fiber Optic Cable Cost	Total Splicing Material Cost	Total Splicing Labor Cost	Cable Placement Cost	Exclusive Trench Cost	Optical Tranceiver Pair
1	Alameda Cou	County Court House (1)	Fallon St.	\$214.05	\$850.00	\$840.00	\$8,000.00	\$31,720.00	\$0.00
2	Alameda Cou	County Administration Annex (2)	1401 Lakeside Dr.	\$499.47	\$850.00	\$840.00	\$1,930.00	\$0.00	\$0.00
3	Alameda Cou	County Administration Bldg (3)	1221 Oak St.	\$70.00	\$1,300.00	\$420.00	\$10,000.00	\$10,000.00	\$0.00
4	BART	BART District Office (4)	900 Madison	\$173.24	\$1,750.00	\$1,050.00	\$11,200.00	\$11,200.00	\$0.00
5	City	City Hall (5)	1 Frank Ogawa Plaza	\$232.70	\$850.00	\$630.00	\$14,000.00	\$55,320.00	\$0.00
6	City	Oakland Museum of California (6)	1000 Oak Street	\$159.88	\$850.00	\$630.00	\$1,142.00	\$0.00	\$0.00
7	City	Alice Arts Center (7)	1428 Alice Street	\$306.32	\$850.00	\$630.00	\$9,788.00	\$8,000.00	\$0.00
8	City	Wilson Building (8)	150 Frank Ogawa Plaza	\$249.09	\$850.00	\$630.00	\$9,961.60	\$8,320.00	\$0.00
9	City	Employee Assistance (9)	1970 Broadway	\$144.64	\$850.00	\$630.00	\$10,000.00	\$10,000.00	\$0.00
10	City	Dalziel Building (10)	250 Frank Ogawa Plaza	\$88.76	\$1,300.00	\$420.00	\$12,680.00	\$12,680.00	\$0.00
11	City	Childrens Fairyland (11)	Grand @ Bellevue Ave	\$880.59	\$1,300.00	\$1,260.00	\$13,987.00	\$10,000.00	\$0.00
12	City	Paramount Theatre (13)	2025 Broadway	\$641.20	\$1,300.00	\$630.00	\$68,952.00	\$67,760.00	\$0.00
13	City	Old Fire Alarm Bldg (14)	1310 Oak St.	\$455.00	\$850.00	\$630.00	\$42,542.00	\$41,360.00	\$0.00
14	City/Police	Oak Army Base (15)	Oak Army Base (Bldg One)	\$1,770.44	\$1,300.00	\$420.00	\$161,768.40	\$152,200.00	\$0.00
15	County	Congestion Management Authority (16)	1333 Broadway	\$95.76	\$850.00	\$420.00	\$13,680.00	\$13,680.00	\$0.00
16	Fire	Fire Dispatch/EOC/ Station #1 (18)	1605 Martin Luther King Jr.	\$650.04	\$850.00	\$840.00	\$2,477.60	\$26,800.00	\$0.00
17	Fire	Fire Training (19)	250 Victory Court	\$56.00	\$850.00	\$630.00	\$8,000.00	\$36,400.00	\$0.00
18	Fire	Fire Prevention, Second Start Adult Literacy (20)	421 14th Street	\$244.34	\$850.00	\$630.00	\$18,280.00	\$53,640.00	\$0.00
19	Fire	Fire Station # 2 (21)	100 Jack London Square	\$56.00	\$850.00	\$630.00	\$8,000.00	\$39,680.00	\$0.00
20	Fire	Fire Station # 3 (22)	1445 14th Street	\$367.79	\$850.00	\$630.00	\$1,520.00	\$0.00	\$0.00
21	Fire	Fire Station # 5 (24)	934 34th Street	\$392.56	\$850.00	\$630.00	\$5,327.60	\$0.00	\$0.00
22	Fire	Fire Station # 12 (29)	822 Alice Street	\$282.52	\$850.00	\$630.00	\$2,018.00	\$0.00	\$0.00
23	Fire	Fire Station # 15 (31)	455 27th Street	\$716.35	\$850.00	\$1,050.00	\$4,785.60	\$0.00	\$0.00
24	Library	Library Administration (48)	125 14th Street	\$278.32	\$1,300.00	\$630.00	\$1,988.00	\$0.00	\$0.00
25	Library	West Oakland Senior Center (52)	1724 Adeline Street	\$639.98	\$850.00	\$840.00	\$17,183.40	\$12,000.00	\$0.00
26	Library	West Oakland Library (53)	1801 Adeline Street	\$98.00	\$850.00	\$420.00	\$1,330.00	\$0.00	\$0.00
27	Library	Asian Library, Chinatown Community Resource Ce	388 9th Street	\$419.84	\$1,300.00	\$630.00	\$8,814.00	\$16,000.00	\$0.00
28	Library	Lakeview Library (60)	550 El Embarcadero	\$702.02	\$1,300.00	\$840.00	\$5,715.60	\$0.00	\$0.00
29	Library	Golden Gate Library (61)	5606 San Pablo Ave	\$533.15	\$850.00	\$840.00	\$4,932.40	\$0.00	\$0.00
30	Library	Golden Gate Library (63)	1075 62nd St	\$1,189.48	\$850.00	\$1,050.00	\$7,907.80	\$0.00	\$0.00
31	Library	Charles Green Library (64)	659 14th St.	\$323.12	\$850.00	\$630.00	\$7,735.20	\$4,000.00	\$0.00
32	Museum	Conservation Laboratory (67)	1680 14th Street	\$602.43	\$1,300.00	\$840.00	\$3,777.20	\$0.00	\$0.00
33	Museum	Museum Conservation Lab (future) (68)	9th St. & Fallon	\$621.88	\$850.00	\$840.00	\$4,442.00	\$0.00	\$0.00
34	Museum	Museum Collection Facility (future) (70)	Estuary Park (Embarcadero	\$309.96	\$850.00	\$630.00	\$44,280.00	\$44,280.00	\$0.00
35	BLANK	BLANK		0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
36	Parks and Re	DeFremery Pool (74)	1269 18th Street	\$168.00	\$850.00	\$420.00	\$24,000.00	\$24,000.00	\$0.00
37	Parks and Re	Parks and Rec. Administration (75)	1520 Lakeside Drive	\$224.28	\$850.00	\$630.00	\$1,602.00	\$0.00	\$0.00
38	Parks and Re	DeFremery Rec. Center (78)	1651 Adeline Street	\$332.08	\$850.00	\$630.00	\$25,172.00	\$24,000.00	\$0.00

**Cost Roll-up
Proposed I-Net Sites**

ATTACHMENT B.2

39	Parks and Re	Lincoln Square Rec. Center (82)	250 10th Street	\$84.00	\$850.00	\$420.00	\$12,000.00	\$12,000.00	\$0.00
40	Parks and Re	McClymonds Pool (85)	2607 Myrtle Street	\$281.12	\$850.00	\$420.00	\$11,055.20	\$8,000.00	\$0.00
41	Parks and Re	Poplar Rec. Center (87)	3131 Union Street	\$921.07	\$850.00	\$840.00	\$7,911.60	\$0.00	\$0.00
42	Parks and Re	Garden Center (97)	666 Bellevue Ave	\$503.72	\$850.00	\$630.00	\$3,598.00	\$0.00	\$0.00
43	Parks and Re	Rotary Nature Center (98)	553 Bellevue Ave	\$334.32	\$850.00	\$630.00	\$17,588.00	\$16,000.00	\$0.00
44	Parks and Re	Bushrod Rec. Center (99)	560 59th Street	\$643.42	\$850.00	\$840.00	\$4,875.40	\$0.00	\$0.00
45	Parks and Re	Lake Merritt Sailboat House (100)	568 Bellevue Ave	\$112.00	\$850.00	\$420.00	\$16,000.00	\$16,000.00	\$0.00
46	Parks and Re	Jefferson Square Rec. Center (104)	645 7th Street	\$56.00	\$850.00	\$630.00	\$760.00	\$0.00	\$0.00
47	Parks and Re	Park District 1 & 2 (105)	666 Bellevue Ave	\$615.72	\$850.00	\$840.00	\$4,398.00	\$0.00	\$0.00
48	Peralta CCD	Laney College Campus (109)	900 Fallon Street	\$357.56	\$850.00	\$630.00	\$2,554.00	\$0.00	\$0.00
49		BLANK		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
50	Police	Police Services Administration (115)	455 7th Street	\$147.02	\$850.00	\$630.00	\$4,000.00	\$4,000.00	\$0.00
51	Police	Police Transportation Lot (116)	495 Washington Street	\$729.12	\$850.00	\$840.00	\$30,748.40	\$23,440.00	\$0.00
52	Police	Police Stable (117)	500 Bellevue Ave	\$200.76	\$850.00	\$420.00	\$17,204.60	\$16,000.00	\$0.00
53	Police	Jail Division (118)	611 Broadway	\$627.20	\$850.00	\$630.00	\$18,464.00	\$14,720.00	\$0.00
54	Police	Mandela Parkway Facility (future) (122)	1500 Mandela Pkwy	\$126.00	\$850.00	\$420.00	\$1,710.00	\$0.00	\$0.00
55	Police	Crime Lab (future) (123)	1310 14th St.	\$353.92	\$850.00	\$630.00	\$3,248.00	\$0.00	\$0.00
56	Police/Feder	Federal Bldg. (124)	1310 Clay St	\$309.12	\$850.00	\$630.00	\$44,160.00	\$44,160.00	\$0.00
57	Police/OIT	Clorox Microwave (on roof) (125)	1111 Broadway	\$236.60	\$850.00	\$630.00	\$33,800.00	\$33,800.00	\$0.00
58	Port	Port of Oakland Administration (127)	530 Water Street	\$56.00	\$850.00	\$630.00	\$8,000.00	\$59,440.00	\$0.00
59	Port	Jack London Square Security offices (132)	Bldg. F-107, 66 Jack London	\$680.77	\$850.00	\$840.00	\$12,000.00	\$12,000.00	\$0.00
60	Port	Harbor Transportation Offices (133)	Oakland Naval Supply Cente	\$871.08	\$850.00	\$420.00	\$20,871.80	\$10,000.00	\$0.00
61	Port	Harbor Facilities Office (134)	209 Brush Street	\$91.00	\$850.00	\$840.00	\$13,000.00	\$13,000.00	\$0.00
62	Schools	McClymonds High School (141)	2607 Myrtle Street	\$1,360.16	\$850.00	\$840.00	\$10,226.80	\$59,840.00	\$0.00
63	Schools	Lowell Jr. High School (151)	991 14th Street	\$303.52	\$850.00	\$630.00	\$2,708.00	\$0.00	\$0.00
64	Schools	Westlake Jr. High School (155)	2629 Harrison	\$1,911.91	\$850.00	\$1,470.00	\$11,684.40	\$21,440.00	\$0.00
65	Schools	Cole Magnet School Grades 4-8 (159)	1011 Union Street	\$639.64	\$850.00	\$840.00	\$14,364.00	\$12,000.00	\$0.00
66	Schools	Marcus Foster Elementary (172)	2850 West Street	\$620.63	\$850.00	\$840.00	\$3,933.00	\$0.00	\$0.00
67	Schools	Golden Gate Elementary/CDC* (178)	6200 San Pablo Ave	\$230.72	\$850.00	\$420.00	\$3,131.20	\$0.00	\$0.00
68	Schools	Lakeview Elementary/ CDC (184)	746 Grand Avenue	\$274.40	\$850.00	\$630.00	\$13,360.00	\$12,000.00	\$0.00
69	Schools	Lincoln Elementary/ CDC*, Yuk Yau (187)	225 11th Street	\$350.84	\$850.00	\$630.00	\$2,506.00	\$0.00	\$0.00
70	Schools	Longfellow Elementary/ CDC* (189)	3877 Lusk Street	\$905.53	\$850.00	\$1,050.00	\$4,704.40	\$0.00	\$0.00
71	Schools	Prescott Elementary/ CDC* (200)	920 Campbell Street	\$565.29	\$850.00	\$840.00	\$2,656.20	\$0.00	\$0.00
72	Schools	Santa Fe Elementary/ CDC* (202)	915 54th Street	\$530.82	\$850.00	\$840.00	\$4,613.20	\$0.00	\$0.00
73	Schools	Washington Elementary/ CDC* (209)	581 61st Street	\$1,578.60	\$850.00	\$840.00	\$4,845.00	\$0.00	\$0.00
74	Schools	Hoover Elementary (214)	890 Brockhurst Street	\$112.00	\$850.00	\$420.00	\$1,520.00	\$0.00	\$0.00
75	Schools	Pleasant Valley Adult (217)	920 53 rd St.	\$585.80	\$850.00	\$840.00	\$2,891.80	\$0.00	\$0.00
76	Schools	Martin Luther King Jr. Elementary/ CDC (218)	960 10th St.	\$367.64	\$850.00	\$630.00	\$14,026.00	\$12,000.00	\$0.00
77	Schools	Lafayette Elementary (219)	1700 Market St.	\$969.63	\$850.00	\$1,050.00	\$7,187.60	\$0.00	\$0.00
78	Schools	Hoover Elementary/ CDC*, Tubman (220)	890 Brockhurst Street	\$450.64	\$850.00	\$630.00	\$1,520.00	\$0.00	\$0.00
79	Schools	Cole Elementary (224)	1011 Union Street	\$84.00	\$850.00	\$420.00	\$12,000.00	\$12,000.00	\$0.00
80	Schools	West Oakland Community School (233)	955 12th St	\$819.52	\$850.00	\$1,050.00	\$15,525.00	\$12,000.00	\$0.00
81	Schools	Street Academy (235)	417 29th St.	\$557.14	\$850.00	\$630.00	\$1,520.00	\$0.00	\$0.00
82	Schools	Alice St CDC (238)	250 17th St	\$498.19	\$850.00	\$630.00	\$7,254.00	\$6,320.00	\$0.00
83	Seniors	Downtown Senior Center (243)	200 Grand Avenue	\$777.58	\$850.00	\$840.00	\$2,118.00	\$44,880.00	\$0.00

**Cost Roll-up
Proposed I-Net Sites**

ATTACHMENT B.2

84	0	H.J. Kaiser Convention Center (244)	10 10th Street	\$397.88	\$850.00	\$630.00	\$2,842.00	\$0.00	\$0.00
85	Schools	Bunche Academy (8th Grade) (253)	1240 18th Street	\$980.28	\$850.00	\$1,050.00	\$13,303.80	\$0.00	\$0.00
86		Sub Totals		39,398.06	\$75,500.00	\$58,170.00	\$1,047,306.80	\$1,188,080.00	\$0.00

**Cost Roll-up
Proposed I-Net Sites**

ATTACHMENT B.2

Site Num	Construction Permits	Design & Engineering	City/School Costs	Walkout	Material Total	Labor Total	Site Costs
1	\$280.00	\$153.49	\$3,300.00	\$75.00	\$1,157.16	\$12,648.49	\$13,805.65
2	\$67.55	\$229.52	\$3,300.00	\$75.00	\$1,467.54	\$6,442.07	\$7,909.61
3	\$350.00	\$21.31	\$3,300.00	\$75.00	\$1,489.88	\$14,166.31	\$15,656.18
4	\$392.00	\$86.08	\$3,300.00	\$75.00	\$2,091.53	\$16,103.08	\$18,194.60
5	\$490.00	\$117.87	\$3,300.00	\$75.00	\$1,177.44	\$18,612.87	\$19,790.31
6	\$39.97	\$48.66	\$7,200.00	\$75.00	\$1,098.24	\$9,135.63	\$10,233.88
7	\$342.58	\$93.24	\$7,200.00	\$75.00	\$1,257.50	\$18,128.82	\$19,386.32
8	\$174.33	\$100.23	\$3,300.00	\$75.00	\$1,195.27	\$14,241.16	\$15,436.42
9	\$175.00	\$61.88	\$7,200.00	\$75.00	\$1,081.67	\$18,141.88	\$19,223.54
10	\$443.80	\$27.02	\$3,300.00	\$75.00	\$1,510.28	\$16,945.82	\$18,456.09
11	\$489.55	\$400.74	\$7,200.00	\$75.00	\$2,371.39	\$23,412.28	\$25,783.67
12	\$2,413.32	\$195.17	\$7,200.00	\$75.00	\$2,111.06	\$79,465.49	\$81,576.55
13	\$1,488.97	\$138.49	\$3,300.00	\$75.00	\$1,419.19	\$48,174.46	\$49,593.65
14	\$5,661.89	\$538.89	\$7,200.00	\$75.00	\$3,339.10	\$175,664.19	\$179,003.29
15	\$478.80	\$29.15	\$7,200.00	\$75.00	\$1,028.51	\$21,882.95	\$22,911.46
16	\$86.72	\$361.11	\$3,300.00	\$75.00	\$1,631.30	\$7,140.42	\$8,771.72
17	\$280.00	\$77.56	\$3,300.00	\$75.00	\$985.28	\$12,362.56	\$13,347.83
18	\$639.80	\$114.29	\$3,300.00	\$75.00	\$1,190.10	\$23,039.09	\$24,229.19
19	\$280.00	\$213.66	\$3,300.00	\$75.00	\$985.28	\$12,498.66	\$13,483.94
20	\$53.20	\$186.90	\$3,300.00	\$75.00	\$1,324.35	\$5,765.10	\$7,089.45
21	\$186.47	\$119.49	\$3,300.00	\$75.00	\$1,351.28	\$9,638.55	\$10,989.84
22	\$70.63	\$85.99	\$3,300.00	\$75.00	\$1,231.62	\$6,179.62	\$7,411.24
23	\$167.50	\$272.73	\$3,300.00	\$75.00	\$1,703.41	\$9,650.82	\$11,354.23
24	\$69.58	\$84.72	\$3,300.00	\$75.00	\$1,716.42	\$6,147.30	\$7,863.72
25	\$601.42	\$228.75	\$7,200.00	\$75.00	\$1,619.16	\$26,128.57	\$27,747.72
26	\$46.55	\$29.83	\$7,200.00	\$75.00	\$1,030.95	\$9,101.38	\$10,132.33
27	\$308.49	\$213.49	\$7,200.00	\$75.00	\$1,870.33	\$17,240.98	\$19,111.31
28	\$200.05	\$248.95	\$7,200.00	\$75.00	\$2,177.20	\$14,279.59	\$16,456.79
29	\$172.63	\$214.77	\$7,200.00	\$75.00	\$1,504.18	\$13,434.81	\$14,938.98
30	\$276.77	\$570.17	\$7,200.00	\$75.00	\$2,217.94	\$17,079.74	\$19,297.68
31	\$270.73	\$98.35	\$7,200.00	\$75.00	\$1,275.77	\$16,009.28	\$17,285.05
32	\$132.20	\$260.88	\$7,200.00	\$75.00	\$2,068.89	\$12,285.28	\$14,354.17
33	\$155.47	\$189.29	\$7,200.00	\$75.00	\$1,600.67	\$12,901.76	\$14,502.43
34	\$1,549.80	\$129.89	\$7,200.00	\$75.00	\$1,261.46	\$53,864.69	\$55,126.14
35	\$0.00	\$0.00		\$0.00	\$0.00	\$0.00	\$0.00
36	\$840.00	\$51.14	\$7,200.00	\$75.00	\$1,107.08	\$32,586.14	\$33,693.21
37	\$56.07	\$68.27	\$7,200.00	\$75.00	\$1,168.28	\$9,631.34	\$10,799.62
38	\$881.02	\$101.08	\$7,200.00	\$75.00	\$1,285.51	\$34,059.10	\$35,344.61

**Cost Roll-up
Proposed I-Net Sites**

ATTACHMENT B.2

39	\$420.00	\$25.57	\$7,200.00	\$75.00	\$1,015.73	\$20,140.57	\$21,156.29
40	\$386.93	\$85.57	\$7,200.00	\$75.00	\$1,230.09	\$19,222.70	\$20,452.79
41	\$276.91	\$421.70	\$7,200.00	\$75.00	\$1,926.04	\$16,725.21	\$18,651.25
42	\$125.93	\$153.32	\$7,200.00	\$75.00	\$1,472.17	\$11,782.25	\$13,254.42
43	\$615.58	\$101.76	\$7,200.00	\$75.00	\$1,287.95	\$26,210.34	\$27,498.29
44	\$170.64	\$279.12	\$7,200.00	\$75.00	\$1,624.09	\$13,440.16	\$15,064.25
45	\$560.00	\$34.09	\$7,200.00	\$75.00	\$1,046.18	\$24,289.09	\$25,335.27
46	\$26.60	\$221.08	\$7,200.00	\$75.00	\$985.28	\$8,912.68	\$9,897.95
47	\$153.93	\$187.41	\$7,200.00	\$75.00	\$1,593.97	\$12,854.34	\$14,448.32
48	\$89.39	\$108.84	\$7,200.00	\$75.00	\$1,313.22	\$10,657.23	\$11,970.45
49	\$0.00	\$0.00		\$0.00	\$0.00	\$0.00	\$0.00
50	\$140.00	\$85.57	\$3,300.00	\$75.00	\$1,084.26	\$8,230.57	\$9,314.82
51	\$1,076.19	\$372.19	\$3,300.00	\$75.00	\$1,717.29	\$36,411.78	\$38,129.07
52	\$602.16	\$61.11	\$7,200.00	\$75.00	\$1,142.70	\$25,562.87	\$26,705.57
53	\$646.24	\$190.91	\$7,200.00	\$75.00	\$1,606.46	\$27,206.15	\$28,812.60
54	\$59.85	\$38.35	\$7,200.00	\$75.00	\$1,061.40	\$9,503.20	\$10,564.60
55	\$113.68	\$107.73	\$7,200.00	\$75.00	\$1,309.26	\$11,374.41	\$12,683.67
56	\$1,545.60	\$94.09	\$7,200.00	\$75.00	\$1,260.54	\$53,704.69	\$54,965.23
57	\$1,183.00	\$72.02	\$7,200.00	\$75.00	\$1,181.68	\$42,960.02	\$44,141.69
58	\$280.00	\$17.05	\$7,200.00	\$75.00	\$985.28	\$16,202.05	\$17,187.32
59	\$420.00	\$405.94	\$7,200.00	\$75.00	\$1,664.71	\$20,940.94	\$22,605.65
60	\$730.51	\$265.14	\$7,200.00	\$75.00	\$1,871.67	\$29,562.46	\$31,434.13
61	\$455.00	\$257.47	\$7,200.00	\$75.00	\$1,023.34	\$21,827.47	\$22,850.81
62	\$357.94	\$881.08	\$11,000.00	\$75.00	\$2,403.55	\$23,380.82	\$25,784.37
63	\$94.78	\$92.39	\$11,000.00	\$75.00	\$1,254.45	\$14,600.17	\$15,854.62
64	\$408.95	\$944.40	\$11,000.00	\$75.00	\$3,003.57	\$25,582.76	\$28,586.33
65	\$502.74	\$273.15	\$11,000.00	\$75.00	\$1,619.98	\$27,054.89	\$28,674.88
66	\$137.66	\$285.85	\$11,000.00	\$75.00	\$1,599.31	\$16,271.51	\$17,870.82
67	\$109.59	\$70.23	\$11,000.00	\$75.00	\$1,175.28	\$14,806.02	\$15,981.30
68	\$467.60	\$83.52	\$11,000.00	\$75.00	\$1,222.79	\$25,616.12	\$26,838.91
69	\$87.71	\$106.79	\$11,000.00	\$75.00	\$1,305.91	\$14,405.50	\$15,711.41
70	\$164.65	\$483.41	\$11,000.00	\$75.00	\$1,909.14	\$17,477.46	\$19,386.60
71	\$92.97	\$280.14	\$11,000.00	\$75.00	\$1,539.12	\$14,944.31	\$16,483.43
72	\$161.46	\$191.51	\$11,000.00	\$75.00	\$1,501.64	\$16,881.17	\$18,382.81
73	\$169.58	\$838.47	\$11,000.00	\$75.00	\$2,641.10	\$17,768.04	\$20,409.14
74	\$53.20	\$34.09	\$11,000.00	\$75.00	\$1,046.18	\$13,102.29	\$14,148.47
75	\$101.21	\$306.14	\$11,000.00	\$75.00	\$1,561.43	\$15,214.15	\$16,775.58
76	\$490.91	\$111.90	\$11,000.00	\$75.00	\$1,324.18	\$26,333.81	\$27,658.00
77	\$251.57	\$376.96	\$11,000.00	\$75.00	\$1,978.85	\$19,941.13	\$21,919.98
78	\$53.20	\$219.03	\$11,000.00	\$75.00	\$1,414.44	\$13,497.23	\$14,911.68
79	\$420.00	\$25.57	\$11,000.00	\$75.00	\$1,015.73	\$23,940.57	\$24,956.29
80	\$543.38	\$404.15	\$11,000.00	\$75.00	\$1,815.60	\$28,597.52	\$30,413.12
81	\$53.20	\$316.96	\$11,000.00	\$75.00	\$1,530.27	\$13,595.16	\$15,125.43
82	\$253.89	\$229.77	\$11,000.00	\$75.00	\$1,466.15	\$19,442.66	\$20,908.82
83	\$74.13	\$403.47	\$11,000.00	\$75.00	\$1,769.99	\$14,510.60	\$16,280.59

**Cost Roll-up
Proposed I-Net Sites**

ATTACHMENT B.2

84	\$99.47	\$121.11	\$11,000.00	\$75.00	\$1,357.07	\$14,767.58	\$16,124.65
85	\$0.00	\$0.00	\$11,000.00	\$75.00	\$1,990.43	\$25,428.80	\$27,419.23
86	\$35,840.78	\$16,829.15	\$614,700.00	\$6,225.00	\$124,951.64	\$1,779,071.72	\$1,904,023.36

Cost Sub Total	\$1,904,023.36
Contingency 10%	\$190,402.34
Total	\$2,094,425.70

**Cost Roll-up
Proposed I-Net Sites**

ATTACHMENT B.3

Site Num	Site type ID	Site Name	Address / Location	Fiber Optic Cable Cost	Total Splicing Material Cost	Total Splicing Labor Cost	Cable Placement Cost	Exclusive Trench Cost	Optical Transceiver Pair
1	Fire	Fire Station # 6 (25)	7080 Colton Blvd	\$1,839.30	\$850.00	\$1,050.00	\$12,391.00	\$0.00	\$0.00
2	Fire	Fire Station # 7 (26)	1006 Amato Drive	\$4,402.44	\$850.00	\$630.00	\$31,446.00	\$0.00	\$0.00
3	Fire	Fire Station # 8 (27)	463 51st Street	\$330.12	\$1,300.00	\$420.00	\$3,711.60	\$0.00	\$0.00
4	Fire	Fire Station # 10 (28)	172 Santa Clara Avenue	\$902.44	\$1,750.00	\$840.00	\$5,377.00	\$0.00	\$0.00
5	Fire	Fire Station # 16 (32)	3600 13th Avenue	\$1,098.81	\$850.00	\$1,050.00	\$4,729.40	\$0.00	\$0.00
6	Fire	Fire Station # 19 (35)	5776 Miles Avenue	\$70.00	\$850.00	\$420.00	\$950.00	\$0.00	\$0.00
7	Fire	Fire Station # 24 (40)	5921 Shepherd Canyon Road	\$1,976.29	\$850.00	\$840.00	\$11,877.00	\$0.00	\$0.00
8	Library	Piedmont Avenue Library (50)	160 41st Street	\$3,119.01	\$850.00	\$1,050.00	\$3,093.20	\$0.00	\$0.00
9	Library	Montclair Library (51)	1687 Mountain Blvd	\$540.94	\$850.00	\$840.00	\$2,743.60	\$0.00	\$0.00
10	Library	Temescal Library (58)	5205 Telegraph Avenue	\$123.76	\$1,300.00	\$420.00	\$884.00	\$0.00	\$0.00
11	Library	Rockridge Library (59)	5366 College Ave	\$1,939.26	\$1,300.00	\$630.00	\$6,965.40	\$0.00	\$0.00
12	Parks and R	Mosswood Rec. Center (89)	3612 Webster Street	\$888.62	\$1,300.00	\$840.00	\$12,930.20	\$9,320.00	\$0.00
13	Parks and R	Studio One Arts Center (90)	365 45th Street	\$337.68	\$850.00	\$630.00	\$18,592.20	\$15,480.00	\$0.00
14	Parks and R	Temescal Pool (91)	371 45th Street	\$84.00	\$1,300.00	\$420.00	\$12,000.00	\$12,000.00	\$0.00
15	Parks and R	Morcom Rose Garden (102)	600 Jean Street	\$503.34	\$850.00	\$630.00	\$4,662.60	\$0.00	\$0.00
16	Parks and R	Montclair Rec. Center (103)	6300 Moraga Ave	\$665.39	\$850.00	\$840.00	\$5,118.60	\$0.00	\$0.00
17	Public Works	District 4 Maintenance Services (136)	5921 Shepard Canyon Drive	\$780.04	\$850.00	\$840.00	\$1,140.00	\$0.00	\$0.00
18	Schools	Oakland Technical High School (143)	4351 Broadway	\$948.13	\$850.00	\$1,050.00	\$7,611.40	\$0.00	\$0.00
19	Schools	Claremont Jr. High School (145)	5750 College Ave	\$1,570.96	\$850.00	\$1,050.00	\$12,224.60	\$0.00	\$0.00
20	Schools	Edna M Brewer Jr. High School (152)	3748 13th Ave	\$3,315.16	\$850.00	\$1,050.00	\$7,761.60	\$0.00	\$0.00
21	Schools	Montera Jr. High School (153)	5555 Ascot Drive	\$3,067.46	\$850.00	\$630.00	\$40,812.00	\$0.00	\$0.00
22	Schools	Verdese Carter Jr. High School (156)	4521 Webster	\$544.82	\$850.00	\$840.00	\$2,245.80	\$0.00	\$0.00
23	Schools	Hillcrest K-8 (160)	30 Marguerite Drive	\$1,736.37	\$850.00	\$630.00	\$15,363.40	\$0.00	\$0.00
24	Schools	Kaiser K-8 (161)	25 S Hill Court	\$5,036.64	\$1,300.00	\$840.00	\$41,442.60	\$0.00	\$0.00
25	Schools	Chabot Elementary (168)	6686 Chabot Road	\$1,398.88	\$850.00	\$630.00	\$18,984.80	\$0.00	\$0.00
26	Schools	Crocker Highlands Elementary (171)	525 Midcrest Road	\$2,057.58	\$850.00	\$840.00	\$6,874.40	\$0.00	\$0.00
27	Schools	Emerson Elementary/ CDC (173)	4801 Lawton Avenue	\$175.00	\$1,300.00	\$420.00	\$1,991.60	\$0.00	\$0.00
28	Schools	Joaguin Miller Elementary (195)	5525 Ascot Drive	\$2,093.84	\$1,300.00	\$840.00	\$20,402.20	\$0.00	\$0.00
29	Schools	Montclair Elementary (196)	1757 Mountain Blvd	\$647.90	\$850.00	\$1,050.00	\$4,195.20	\$0.00	\$0.00
30	Schools	Peralta Y.R. Elementary/ CDC (198)	460 63rd Street	\$749.93	\$850.00	\$630.00	\$4,883.00	\$0.00	\$0.00
31	Schools	Piedmont Avenue Elementary/ CDC* (199)	4314 Piedmont Avenue	\$1,354.16	\$850.00	\$840.00	\$6,737.40	\$0.00	\$0.00
32	Schools	Thornhill Elementary (207)	5880 Thornhill Drive	\$1,111.04	\$1,300.00	\$630.00	\$15,078.40	\$0.00	\$0.00
33	Schools	North Oakland Community School (231)	5951 College Ave.	\$1,238.89	\$850.00	\$630.00	\$26,164.80	\$21,240.00	\$0.00
34	Schools	Arts/ Far West (237)	5263 B'dway Terrace	\$1,162.28	\$850.00	\$630.00	\$13,610.20	\$0.00	\$0.00
35		BLANK		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
86		Sub Totals		47,810.48	\$33,850.00	\$25,620.00	\$384,995.20	\$58,040.00	\$0.00

**Cost Roll-up
Proposed I-Net Sites**

ATTACHMENT B.3

Site Num	Construction Permits	Design & Engineering	City/School costs	Walkout	Material Total	Labor Total	Site Costs
1	\$433.69	\$785.71	\$3,300.00	\$75.00	\$2,924.61	\$18,035.40	\$20,960.00
2	\$1,100.61	\$1,340.03	\$3,300.00	\$75.00	\$5,712.03	\$37,891.64	\$43,603.67
3	\$129.91	\$100.48	\$3,300.00	\$75.00	\$1,772.76	\$7,736.99	\$9,509.74
4	\$188.20	\$429.63	\$3,300.00	\$75.00	\$2,884.53	\$10,209.83	\$13,094.36
5	\$165.53	\$512.22	\$3,300.00	\$75.00	\$2,119.33	\$9,832.14	\$11,951.48
6	\$33.25	\$21.31	\$3,300.00	\$75.00	\$1,000.50	\$4,799.56	\$5,800.06
7	\$415.70	\$879.55	\$3,300.00	\$75.00	\$3,073.59	\$17,387.24	\$20,460.83
8	\$54.13	\$2,081.59	\$7,200.00	\$75.00	\$4,316.30	\$13,553.92	\$17,870.22
9	\$48.01	\$282.95	\$7,200.00	\$75.00	\$1,512.65	\$11,189.57	\$12,702.21
10	\$30.94	\$37.67	\$7,200.00	\$75.00	\$1,548.34	\$8,647.61	\$10,195.95
11	\$243.79	\$1,084.69	\$7,200.00	\$75.00	\$3,522.70	\$16,198.88	\$19,721.58
12	\$452.56	\$410.97	\$7,200.00	\$75.00	\$2,380.12	\$21,908.72	\$24,288.85
13	\$650.73	\$102.78	\$7,200.00	\$75.00	\$1,291.60	\$27,250.71	\$28,542.31
14	\$420.00	\$25.57	\$7,200.00	\$75.00	\$1,505.10	\$20,140.57	\$21,645.67
15	\$163.19	\$200.03	\$7,200.00	\$75.00	\$1,471.76	\$12,930.82	\$14,402.58
16	\$179.15	\$272.22	\$7,200.00	\$75.00	\$1,647.99	\$13,684.97	\$15,332.95
17	\$39.90	\$528.41	\$7,200.00	\$75.00	\$1,772.67	\$9,823.31	\$11,595.98
18	\$266.40	\$423.84	\$11,000.00	\$75.00	\$1,955.46	\$20,426.63	\$22,382.10
19	\$427.86	\$711.48	\$11,000.00	\$75.00	\$2,632.79	\$25,488.94	\$28,121.73
20	\$271.66	\$1,868.18	\$11,000.00	\$75.00	\$4,529.61	\$22,026.44	\$26,556.05
21	\$1,428.42	\$951.31	\$11,000.00	\$75.00	\$4,260.24	\$54,896.73	\$59,156.97
22	\$78.60	\$261.99	\$11,000.00	\$75.00	\$1,516.87	\$14,501.39	\$16,018.26
23	\$537.72	\$705.26	\$11,000.00	\$75.00	\$2,812.68	\$28,311.37	\$31,124.05
24	\$1,450.49	\$1,533.07	\$11,000.00	\$75.00	\$6,891.10	\$56,341.16	\$63,232.26
25	\$664.47	\$425.80	\$11,000.00	\$75.00	\$2,445.66	\$31,780.06	\$34,225.72
26	\$240.60	\$958.81	\$11,000.00	\$75.00	\$3,161.99	\$19,988.81	\$23,150.80
27	\$69.71	\$53.27	\$11,000.00	\$75.00	\$1,604.06	\$13,609.57	\$15,213.64
28	\$714.08	\$819.97	\$11,000.00	\$75.00	\$3,690.80	\$33,851.25	\$37,542.05
29	\$146.83	\$315.51	\$11,000.00	\$75.00	\$1,628.97	\$16,782.54	\$18,411.51
30	\$170.91	\$342.36	\$11,000.00	\$75.00	\$1,739.92	\$17,101.26	\$18,841.19
31	\$235.81	\$700.91	\$11,000.00	\$75.00	\$2,397.02	\$19,589.12	\$21,986.14
32	\$527.74	\$338.18	\$11,000.00	\$75.00	\$2,622.01	\$27,649.33	\$30,271.33
33	\$915.77	\$572.30	\$11,000.00	\$75.00	\$2,271.67	\$39,357.87	\$41,629.54
34	\$476.36	\$353.78	\$11,000.00	\$75.00	\$2,188.35	\$26,145.34	\$28,333.69
35	\$0.00	\$0.00		\$0.00	\$0.00	\$0.00	\$0.00
86	\$13,372.69	\$20,431.79	\$282,100.00	\$2,550.00	\$88,805.77	\$729,069.68	\$817,875.45

Cost Sub Total	\$817,875.45
Contingency 10%	\$81,787.55
Total	\$899,663.00

**Cost Roll-up
Proposed I-Net Sites**

Site Num	Site type ID	Site Name	Address / Location	Fiber Optic Cable Cost	Total Splicing Material Cost	Total Splicing Labor Cost	Cable Placement Cost	Exclusive Trench Cost	Optical Transceiver Pair
1	1st Priority	(33) Fire Station # 17	3344 High Street	\$1,105.90	\$850.00	\$630.00	\$8,474.00	\$0.00	\$0.00
2	1st Priority	(41) Fire Station # 25	2795 Butters Drive	\$3,005.87	\$850.00	\$630.00	\$11,257.60	\$0.00	\$0.00
3	1st Priority	(55) Dimond Library	3565 Fruitvale Avenue	\$387.73	\$1,300.00	\$630.00	\$1,490.00	\$0.00	\$0.00
4	1st Priority	(76) Live Oak Pool	1550 MacArthur Blvd	\$250.32	\$1,750.00	\$1,050.00	\$1,900.00	\$0.00	\$0.00
5	1st Priority	(80) Smith, F.M. Rec. Center	1969 Park Blvd	\$804.05	\$850.00	\$840.00	\$5,209.80	\$0.00	\$0.00
6	1st Priority	(88) Joaquin Miller Rec. Center	3594 Sanborn Drive	\$103.32	\$850.00	\$420.00	\$14,760.00	\$14,760.00	\$0.00
7	1st Priority	(92) Allendale Rec. Center	3711 Suter Street	\$1,313.34	\$850.00	\$840.00	\$3,754.40	\$0.00	\$0.00
8	1st Priority	(93) Dimond Rec. Center	3860 Hanley Road	\$1,290.24	\$850.00	\$420.00	\$15,610.40	\$0.00	\$0.00
9	1st Priority	(94) Dimond Pool	3860 Hanley Road	\$1,290.24	\$850.00	\$420.00	\$15,610.40	\$0.00	\$0.00
10	1st Priority	(95) Redwood Heights Rec. Center	3883 Aliso Street	\$748.44	\$1,300.00	\$630.00	\$32,364.00	\$28,440.00	\$0.00
11	1st Priority	(114) Ranger Station	3590 Sanborn Drive	\$1,461.04	\$1,300.00	\$630.00	\$73,568.80	\$59,680.00	\$0.00
12	1st Priority	(142) Oakland High School	1023 MacArthur Blvd	\$1,140.44	\$1,300.00	\$630.00	\$13,980.20	\$0.00	\$0.00
13	1st Priority	(149) Bret Harte Jr. High School	3700 Coolidge Ave	\$724.33	\$850.00	\$630.00	\$1,584.60	\$0.00	\$0.00
14	1st Priority	(162) John Swett K-8/ CDC	4551 Steele Street	\$693.85	\$1,300.00	\$840.00	\$4,107.80	\$0.00	\$0.00
15	1st Priority	(163) Allendale Y.R. Elementary	3670 Penniman Ave	\$1,313.34	\$850.00	\$840.00	\$3,754.40	\$0.00	\$0.00
16	1st Priority	(164) Bella Vista Elementary	1025 E. 28th Street	\$1,306.76	\$850.00	\$840.00	\$4,575.20	\$0.00	\$0.00
17	1st Priority	(169) Cleveland Elementary	745 Cleveland Street	\$2,201.09	\$850.00	\$840.00	\$2,660.00	\$0.00	\$0.00
18	1st Priority	(175) Fruitvale Elementary	3200 Boston Ave	\$568.44	\$850.00	\$630.00	\$2,283.80	\$0.00	\$0.00
19	1st Priority	(177) Glenview Elementary	4215 La Cresta Avenue	\$1,286.48	\$850.00	\$630.00	\$8,398.00	\$0.00	\$0.00
20	1st Priority	(179) La Escuelita Elementary	1100 3rd Avenue	\$112.00	\$850.00	\$420.00	\$1,520.00	\$0.00	\$0.00
21	1st Priority	(185) Laurel Elementary/ CDC*	3750 Brown Avenue	\$1,255.41	\$850.00	\$1,050.00	\$5,396.00	\$0.00	\$0.00
22	1st Priority	(191) Manzanita Y.R. Elementary/ CDC*	2409 E 27th Street	\$733.61	\$850.00	\$630.00	\$2,755.00	\$0.00	\$0.00
23	1st Priority	(201) Redwood Heights Elementary	4401 39th Avenue	\$547.62	\$850.00	\$630.00	\$21,840.00	\$21,840.00	\$0.00
24	1st Priority	(203) Sequoia Elementary/ CDC	3730 Lincoln Avenue	\$716.24	\$1,300.00	\$630.00	\$7,510.40	\$0.00	\$0.00
25	1st Priority	(216) Tilden Pre-School	4655 Steele St	\$473.92	\$850.00	\$630.00	\$2,245.80	\$0.00	\$0.00
26	1st Priority	(222) Dewey High School	1111 2nd Avenue	\$112.00	\$850.00	\$420.00	\$1,520.00	\$0.00	\$0.00
27	1st Priority	(226) Neighborhood Center	121 E 11th St.	\$393.12	\$1,300.00	\$630.00	\$3,302.40	\$0.00	\$0.00
28	1st Priority	(227) Oakland Evening School	750 International Blvd.	\$1,222.70	\$1,300.00	\$1,050.00	\$6,399.20	\$0.00	\$0.00
29	1st Priority	(228) American Indian Public Charter School	3637 Magee Ave.	\$400.96	\$850.00	\$420.00	\$3,891.20	\$0.00	\$0.00
30	1st Priority	(236) Imani Independent Study Center	3300 MacArthur Blvd.	\$552.97	\$850.00	\$630.00	\$1,905.70	\$0.00	\$0.00
31	1st Priority	(239) Bella Vista CDC	2410 10 th Ave	\$829.16	\$850.00	\$630.00	\$4,244.60	\$0.00	\$0.00
32	1st Priority	(242) Yuk Yau Annex CDC	314 E 10th St	\$620.48	\$1,300.00	\$630.00	\$7,280.80	\$0.00	\$0.00
33	1st Priority	(244) H.J. Kaiser Convention Center	10 10th Street	\$840.28	\$850.00	\$420.00	\$6,008.60	\$0.00	\$0.00
34	1st Priority	(249) Chabot Science Center	4917 Mountain Blvd.	\$1,498.19	\$850.00	\$1,050.00	\$6,281.00	\$0.00	\$0.00
35	Peralta CCD	Administrative Offices (111)	333 East 8th Street	\$189.00	\$850.00	\$420.00	\$45,228.00	\$39,680.00	\$0.00
36	o	Incremental cost		0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
		Sub Totals		31,492.90	\$34,700.00	\$23,310.00	\$352,672.10	\$164,400.00	\$0.00

**Cost Roll-up
Proposed I-Net Sites**

ATTACHMENT B.4

Avg

**Cost Roll-up
Proposed I-Net Sites**

ATTACHMENT B.4

Site Num	Construction Permits	Design & Engineering	Project Management (If Turn-Key)	Walkout	Material Total	Labor Total	Site Costs
1	\$296.59	\$398.95		\$75.00	\$2,127.05	\$9,874.54	\$12,001.59
2	\$394.02	\$1,236.90		\$75.00	\$4,193.26	\$13,593.52	\$17,786.78
3	\$52.15	\$147.78		\$75.00	\$1,835.40	\$2,394.93	\$4,230.34
4	\$66.50	\$76.19		\$75.00	\$2,175.35	\$3,167.69	\$5,343.04
5	\$182.34	\$346.02		\$75.00	\$1,798.78	\$6,653.17	\$8,451.95
6	\$516.60	\$31.45		\$75.00	\$1,036.74	\$15,803.05	\$16,839.78
7	\$131.40	\$692.30		\$75.00	\$2,352.63	\$5,493.11	\$7,845.74
8	\$273.18	\$392.73		\$75.00	\$2,327.51	\$16,771.31	\$9,549.41
9	\$273.18	\$392.73		\$75.00	\$2,327.51	\$16,771.31	\$9,549.41
10	\$1,132.74	\$227.81		\$75.00	\$2,227.68	\$34,429.55	\$36,657.23
11	\$2,574.91	\$444.72		\$75.00	\$3,002.63	\$77,293.42	\$80,296.05
12	\$489.31	\$347.13		\$75.00	\$2,653.98	\$15,521.64	\$18,175.62
13	\$110.92	\$360.77		\$75.00	\$1,712.08	\$2,761.29	\$4,473.37
14	\$143.77	\$318.75		\$75.00	\$2,168.31	\$5,485.32	\$7,653.64
15	\$131.40	\$692.30		\$75.00	\$2,352.63	\$5,493.11	\$7,845.74
16	\$160.13	\$618.84		\$75.00	\$2,345.48	\$6,269.17	\$8,614.65
17	\$93.10	\$1,327.76		\$75.00	\$3,318.07	\$4,995.86	\$8,313.92
18	\$79.93	\$290.11		\$75.00	\$1,542.55	\$3,358.85	\$4,901.40
19	\$293.93	\$607.76		\$75.00	\$2,323.43	\$10,004.69	\$12,328.11
20	\$53.20	\$34.09		\$75.00	\$1,046.18	\$2,102.29	\$3,148.47
21	\$188.86	\$641.68		\$75.00	\$2,289.64	\$7,351.54	\$9,641.17
22	\$96.43	\$375.60		\$75.00	\$1,722.18	\$3,932.02	\$5,654.20
23	\$764.40	\$219.80		\$75.00	\$1,519.91	\$23,529.20	\$25,049.11
24	\$262.86	\$218.01		\$75.00	\$2,192.66	\$8,696.28	\$10,888.94
25	\$78.60	\$175.06		\$75.00	\$1,439.77	\$3,204.46	\$4,644.23
26	\$53.20	\$34.09		\$75.00	\$1,046.18	\$2,102.29	\$3,148.47
27	\$115.58	\$119.66		\$75.00	\$1,841.27	\$4,242.64	\$6,083.91
28	\$223.97	\$509.40		\$75.00	\$2,743.43	\$8,257.58	\$11,001.01
29	\$136.19	\$122.05		\$75.00	\$1,360.42	\$4,644.44	\$6,004.86
30	\$133.40	\$197.81		\$75.00	\$1,525.73	\$2,941.91	\$4,467.64
31	\$148.56	\$374.74		\$75.00	\$1,826.09	\$5,472.91	\$7,299.00
32	\$254.83	\$188.86		\$75.00	\$2,088.52	\$8,429.49	\$10,518.01
33	\$210.30	\$255.77		\$75.00	\$1,838.18	\$6,969.67	\$8,807.85
34	\$219.84	\$662.64		\$75.00	\$2,553.65	\$8,288.48	\$10,842.13
35	\$1,582.98	\$57.53		\$75.00	\$1,129.91	\$47,363.51	\$48,493.42
36	\$0.00	\$0.00		\$0.00	\$0.00	\$0.00	\$13,162.98
	\$11,919.32	\$13,137.78	\$0.00	\$2,625.00	\$71,984.78	\$403,664.20	\$469,713.14

**Cost Roll-up
Proposed I-Net Sites**

ATTACHMENT B.4

Cost Sub Total	\$469,713.14
Contingency 10%	\$46,971.31
Total	\$516,684.45

Number of Sites	34	AVG Cost per Site	\$15,196.60
# of Fibers per Site	6	AVG Cost per Site per Fiber	\$2,532.77

**Cost Roll-up
Proposed I-Net Sites**

ATTACHMENT B.5

Site Num	Site type ID	Site Name	Address / Location	Fiber Optic Cable Cost	Total Splicing Material Cost	Total Splicing Labor Cost	Cable Placement Cost	Exclusive Trench Cost	Optical Tranceiver Pair
1	Fire	Fire Station # 4 (23)	1235 E 14th Street	\$872.76	\$850.00	\$630.00	\$10,204.80	\$0.00	\$0.00
2	Fire	Fire Station # 13 (30)	1225 Derby Avenue	\$714.56	\$850.00	\$630.00	\$9,697.60	\$0.00	\$0.00
3	Fire	Fire Station # 18 (34)	1700 50th Avenue	\$253.12	\$1,300.00	\$420.00	\$3,435.20	\$0.00	\$0.00
4	Housing Auth	Oakland Housing Authority (46)	1180 25th Avenue	\$973.49	\$1,750.00	\$630.00	\$23,054.60	\$15,960.00	\$0.00
5	Library	Eastmont Library (47)	1 Eastmont Mall	\$192.36	\$850.00	\$420.00	\$9,012.00	\$8,040.00	\$0.00
6	Library	Cesar Chavez Library (existing) (54)	1900 Fruitvale Avenue	\$200.48	\$850.00	\$420.00	\$2,720.80	\$0.00	\$0.00
7	Library	Melrose Library (57)	4805 Foothill Blvd	\$420.04	\$850.00	\$630.00	\$2,375.00	\$0.00	\$0.00
8	Library	Martin Luther King Jr. Library (62)	6833 E 14th Street	\$536.48	\$850.00	\$630.00	\$7,280.80	\$0.00	\$0.00
9	Library	Cesar Chavez Library (Proposed) (65)	35th Ave. & E12th St.	\$442.68	\$850.00	\$420.00	\$6,000.00	\$55,240.00	\$0.00
10	Museum	Museum Collection Facility (future) (69)	Ford and Landcaster St.	\$2,085.95	\$1,300.00	\$840.00	\$20,358.80	\$11,520.00	\$0.00
11	Parks and Re	Franklin Rec. Center (73)	1010 E 15th Street	\$997.92	\$1,300.00	\$630.00	\$11,151.00	\$0.00	\$0.00
12	Parks and Re	Sanborn Rec. Center (77)	1637 Fruitvale Ave	\$1,224.71	\$1,300.00	\$1,050.00	\$2,941.20	\$0.00	\$0.00
13	Parks and Re	San Antonio Rec. Center (79)	1701 E 19th Street	\$751.24	\$850.00	\$420.00	\$9,390.80	\$0.00	\$0.00
14	Parks and Re	Discovery Center Rec. Center (83)	2521 High Street	\$962.59	\$1,300.00	\$840.00	\$5,320.00	\$16,000.00	\$0.00
15	Parks and Re	Brookdale Rec. Center (84)	2535 High Street	\$250.32	\$850.00	\$420.00	\$3,397.20	\$0.00	\$0.00
16	Parks and Re	Manzanita Rec. Center (86)	2701 22nd Avenue	\$1,370.59	\$850.00	\$840.00	\$7,436.60	\$0.00	\$0.00
17	Parks and Re	Fremont Pool (96)	4550 Foothill Blvd	\$190.40	\$850.00	\$420.00	\$2,584.00	\$0.00	\$0.00
18	Parks and Re	Rainbow Rec. Center (101)	5800 E 14th Street	\$800.24	\$850.00	\$420.00	\$26,543.80	\$18,000.00	\$0.00
19	Police	Animal Shelter (113)	1101 29th Ave.	\$454.44	\$850.00	\$420.00	\$4,747.20	\$0.00	\$0.00
20	Public Works	District 1 Maintenance Services (135)	5050 Coliseum Way	\$190.40	\$850.00	\$420.00	\$27,200.00	\$27,200.00	\$0.00
21	Public Works	PWA Maintenance Services (138)	750 50th Ave	\$931.56	\$850.00	\$630.00	\$37,982.60	\$28,000.00	\$0.00
22	Schools	Fremont High School (140)	4610 Foothill Blvd	\$1,166.80	\$850.00	\$1,260.00	\$12,509.60	\$0.00	\$0.00
23	Schools	Frick Jr. High School (147)	2845 64th Ave	\$948.14	\$850.00	\$840.00	\$3,055.20	\$0.00	\$0.00
24	Schools	Calvin Simmons Jr. High School (148)	2101 35th Ave	\$835.91	\$1,300.00	\$630.00	\$4,662.60	\$0.00	\$0.00
25	Schools	Havenscourt Jr. High School (150)	1390 66th Ave	\$98.00	\$850.00	\$420.00	\$14,000.00	\$14,000.00	\$0.00
26	Schools	Roosevelt Jr. High School (154)	1926 19th Ave	\$1,330.84	\$850.00	\$630.00	\$18,061.40	\$0.00	\$0.00
27	Schools	Burbank Elementary (166)	3550 64th Ave	\$826.82	\$1,300.00	\$630.00	\$4,936.20	\$0.00	\$0.00
28	Schools	Franklin Y.R. Elementary (174)	915 Foothill Blvd	\$213.08	\$1,300.00	\$420.00	\$15,164.00	\$14,360.00	\$0.00
29	Schools	Garfield Y.R. Elementary/ CDC (176)	1640 22nd Ave	\$593.88	\$850.00	\$420.00	\$8,059.80	\$0.00	\$0.00
30	Schools	Hawthorne Y.R. Elementary (181)	1700 28th Ave	\$578.20	\$850.00	\$630.00	\$7,847.00	\$0.00	\$0.00
31	Schools	Jefferson Y.R. Elementary/ CDC* (183)	2035 40th Avenue	\$904.44	\$850.00	\$630.00	\$8,926.20	\$0.00	\$0.00
32	Schools	Lazear Elementary (186)	824 29th Avenue	\$460.60	\$1,300.00	\$630.00	\$4,973.00	\$0.00	\$0.00
33	Schools	Lockwood Y.R. Elementary/ CDC* (188)	6701 International Blvd	\$98.00	\$850.00	\$420.00	\$14,000.00	\$14,000.00	\$0.00
34	Schools	Horace Mann Y.R. Elementary (190)	5222 Ygnacio Ave	\$327.14	\$850.00	\$630.00	\$3,435.20	\$0.00	\$0.00
35	Schools	Markham Elementary (192)	7220 Krause Ave	\$1,681.91	\$850.00	\$1,050.00	\$8,903.40	\$0.00	\$0.00
36	Schools	Maxwell Park Elementary (193)	4730 Fleming Avenue	\$1,345.45	\$850.00	\$840.00	\$10,362.60	\$0.00	\$0.00
37	Schools	Melrose Elementary (194)	1325 53rd Avenue	\$934.64	\$850.00	\$420.00	\$12,684.40	\$0.00	\$0.00
38	Schools	Sherman Elementary (204)	5328 Brann Street	\$1,019.28	\$850.00	\$840.00	\$2,489.00	\$0.00	\$0.00

**Cost Roll-up
Proposed I-Net Sites**

ATTACHMENT B.5

39	Schools	Whittier Y.R. Elementary (211)	6328 E. 17th Street	\$1,162.56	\$850.00	\$630.00	\$15,777.60	\$0.00	\$0.00
40	Schools	Fruitvale/San Antonio (Proposed) (221)	29th Ave & E12th St	\$172.48	\$850.00	\$420.00	\$24,640.00	\$24,640.00	\$0.00
41	Schools	Adult Ed & Technology Center (223)	2111 International Blvd.	\$98.00	\$850.00	\$420.00	\$1,330.00	\$0.00	\$0.00
42	Schools	Edward Shands School (225)	2455 Church St.	\$411.60	\$850.00	\$630.00	\$5,586.00	\$0.00	\$0.00
43	Schools	Centro Infantil de la Raza (240)	2660 E 16th St	\$510.43	\$850.00	\$630.00	\$1,941.80	\$0.00	\$0.00
44	Schools	Hawthorne CDC (241)	2920 E 18th Street	\$493.64	\$850.00	\$630.00	\$6,699.40	\$0.00	\$0.00
45	0	Fruitvale Resource Center (245)	3002 E 9th Street	\$606.76	\$850.00	\$630.00	\$5,666.00	\$0.00	\$0.00
46	0	Latino Community Resource (246)	4473 International Blvd	\$421.37	\$850.00	\$630.00	\$2,979.20	\$0.00	\$0.00
47	Schools	Cesar Chavez Learning Center (Elementary) (250)	2825 International Blvd.	\$530.88	\$850.00	\$630.00	\$30,915.80	\$26,200.00	\$0.00
48	Schools	Ascend Elementary School (251)	3709 E. 12th Street	\$1,562.33	\$850.00	\$630.00	\$9,815.40	\$0.00	\$0.00
49	Schools	Life Academy (High School) (252)	2111 International Blvd.	\$1,357.72	\$850.00	\$840.00	\$17,256.20	\$0.00	\$0.00
50	Schools	Rudsdale (8th Grade) (254)	1180 70th Ave	\$1,408.03	\$850.00	\$840.00	\$7,451.80	\$9,320.00	\$0.00
51	FIRE	FIRE STATION #29 (45)	1016 66Th Avenue	\$1,091.05	\$850.00	\$630.00	\$27,411.60	\$20,640.00	\$0.00
52	SCHOOLS	OAKLAND CHARTER ACADEMY (232)	4703 Tidewater Ave.	\$1,061.20	\$850.00	\$420.00	\$151,600.00	\$151,600.00	\$0.00
53	Museum	Museum Collection Facility (future) (71)	Foot of 9th Ave. (Terminal)	\$827.40	\$850.00	\$420.00	\$10,392.00	\$0.00	\$0.00
54	0	BLANK	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
86		Sub Totals		\$39,894.92	\$50,000.00	\$32,550.00	\$756,366.40	\$454,720.00	\$0.00

**Cost Roll-up
Proposed I-Net Sites**

ATTACHMENT B.5

Site Num	Construction Permits	Design & Engineering	Project Management (If Turn-Key)	Walkout	Material Total	Labor Total	Site Costs
1	\$357.17	\$265.65	\$3,300.00	\$75.00	\$1,873.50	\$14,832.62	\$16,706.12
2	\$339.42	\$217.50	\$3,300.00	\$75.00	\$1,701.46	\$14,259.52	\$15,960.98
3	\$120.23	\$77.05	\$3,300.00	\$75.00	\$1,689.02	\$7,427.48	\$9,116.50
4	\$806.91	\$395.45	\$7,200.00	\$75.00	\$2,961.79	\$32,161.97	\$35,123.76
5	\$315.42	\$58.55	\$7,200.00	\$75.00	\$1,133.57	\$17,080.97	\$18,214.54
6	\$95.23	\$61.02	\$7,200.00	\$75.00	\$1,142.40	\$10,572.05	\$11,714.45
7	\$83.13	\$212.81	\$7,200.00	\$75.00	\$1,381.17	\$10,575.94	\$11,957.11
8	\$127.41	\$163.30	\$7,200.00	\$75.00	\$1,507.80	\$15,476.51	\$16,984.31
9	\$980.00	\$134.74	\$7,200.00	\$75.00	\$1,405.79	\$64,809.74	\$66,215.53
10	\$712.56	\$847.24	\$7,200.00	\$75.00	\$3,682.22	\$30,033.60	\$33,715.82
11	\$390.29	\$303.75	\$7,200.00	\$75.00	\$2,498.99	\$19,750.04	\$22,249.02
12	\$102.94	\$712.76	\$7,200.00	\$75.00	\$2,745.63	\$12,081.90	\$14,827.52
13	\$328.68	\$228.66	\$7,200.00	\$75.00	\$1,741.35	\$17,643.14	\$19,384.49
14	\$186.20	\$490.82	\$7,200.00	\$75.00	\$2,460.57	\$14,112.02	\$16,572.59
15	\$118.90	\$76.19	\$7,200.00	\$75.00	\$1,196.60	\$11,287.30	\$12,483.89
16	\$260.28	\$668.01	\$7,200.00	\$75.00	\$2,414.89	\$16,479.89	\$18,894.78
17	\$90.44	\$57.95	\$7,200.00	\$75.00	\$1,131.44	\$10,427.39	\$11,558.83
18	\$929.03	\$243.58	\$7,200.00	\$75.00	\$1,794.64	\$35,411.41	\$37,206.05
19	\$166.15	\$138.32	\$7,200.00	\$75.00	\$1,418.58	\$12,746.68	\$14,165.25
20	\$952.00	\$57.95	\$7,200.00	\$75.00	\$1,131.44	\$35,904.95	\$37,036.39
21	\$1,329.39	\$283.55	\$7,200.00	\$75.00	\$1,937.45	\$47,500.54	\$49,437.99
22	\$437.84	\$440.11	\$11,000.00	\$75.00	\$2,193.28	\$25,722.55	\$27,915.82
23	\$106.93	\$497.73	\$11,000.00	\$75.00	\$1,955.48	\$15,574.86	\$17,530.34
24	\$163.19	\$417.44	\$11,000.00	\$75.00	\$2,322.81	\$16,948.23	\$19,271.04
25	\$490.00	\$29.83	\$11,000.00	\$75.00	\$1,030.95	\$26,014.83	\$27,045.78
26	\$632.15	\$405.09	\$11,000.00	\$75.00	\$2,371.66	\$30,803.63	\$33,175.30
27	\$172.77	\$387.10	\$11,000.00	\$75.00	\$2,312.92	\$17,201.07	\$19,513.99
28	\$530.74	\$64.86	\$11,000.00	\$75.00	\$1,645.47	\$27,254.60	\$28,900.07
29	\$282.09	\$180.77	\$11,000.00	\$75.00	\$1,570.22	\$20,017.66	\$21,587.88
30	\$274.65	\$175.99	\$11,000.00	\$75.00	\$1,553.17	\$20,002.64	\$21,555.81
31	\$312.42	\$361.45	\$11,000.00	\$75.00	\$1,907.95	\$21,305.07	\$23,213.02
32	\$174.06	\$140.20	\$11,000.00	\$75.00	\$1,914.65	\$16,992.25	\$18,906.91
33	\$490.00	\$29.83	\$11,000.00	\$75.00	\$1,030.95	\$26,014.83	\$27,045.78
34	\$120.23	\$126.99	\$11,000.00	\$75.00	\$1,280.14	\$15,387.42	\$16,667.56
35	\$311.62	\$779.66	\$11,000.00	\$75.00	\$2,753.45	\$22,119.68	\$24,873.13
36	\$362.69	\$523.38	\$11,000.00	\$75.00	\$2,387.55	\$23,163.67	\$25,551.23
37	\$443.95	\$284.49	\$11,000.00	\$75.00	\$1,940.80	\$24,907.84	\$26,848.64
38	\$87.12	\$477.02	\$11,000.00	\$75.00	\$2,032.84	\$14,968.13	\$17,000.97

**Cost Roll-up
Proposed I-Net Sites**

39	\$552.22	\$353.86	\$11,000.00	\$75.00	\$2,188.66	\$28,388.68	\$30,577.34
40	\$862.40	\$52.50	\$11,000.00	\$75.00	\$1,111.95	\$37,049.90	\$38,161.85
41	\$46.55	\$29.83	\$11,000.00	\$75.00	\$1,030.95	\$12,901.38	\$13,932.33
42	\$195.51	\$125.28	\$11,000.00	\$75.00	\$1,371.99	\$17,611.79	\$18,983.78
43	\$67.96	\$244.18	\$11,000.00	\$75.00	\$1,479.47	\$13,958.94	\$15,438.41
44	\$234.48	\$150.26	\$11,000.00	\$75.00	\$1,461.21	\$18,789.13	\$20,250.34
45	\$198.31	\$184.69	\$11,000.00	\$75.00	\$1,584.23	\$17,754.00	\$19,338.22
46	\$104.27	\$198.24	\$11,000.00	\$75.00	\$1,382.61	\$14,986.71	\$16,369.32
47	\$1,082.05	\$161.59	\$11,000.00	\$75.00	\$1,501.71	\$43,864.44	\$45,366.15
48	\$343.54	\$720.94	\$11,000.00	\$75.00	\$2,623.41	\$22,584.88	\$25,208.29
49	\$603.97	\$413.27	\$11,000.00	\$75.00	\$2,400.90	\$30,188.43	\$32,589.33
50	\$260.81	\$563.27	\$11,000.00	\$75.00	\$2,455.61	\$20,190.88	\$22,646.49
51	\$959.41	\$420.26	\$3,300.00	\$75.00	\$2,110.89	\$32,796.26	\$34,907.15
52	\$5,306.00	\$323.01	\$11,000.00	\$75.00	\$2,078.43	\$168,724.01	\$170,802.44
53	\$363.72	\$251.85	\$7,200.00	\$75.00	\$1,824.17	\$18,702.57	\$20,526.74
54	\$0.00	\$0.00		\$0.00	\$0.00	\$0.00	\$0.00
86	\$25,365.41	\$15,209.83	#####	\$3,975.00	\$97,760.73	\$1,313,466.64	\$1,411,227.37

Cost Sub Total	\$1,411,227.37
Contingency 10%	\$141,122.74
Total	\$1,552,350.10

**Cost Roll-up
Proposed I-Net Sites**

ATTACHMENT B.6

Site Num	Site Name	Address / Location	Fiber Optic Cable Cost	Total Splicing Material Cost	Total Splicing Labor Cost	Cable Placement Cost	Exclusive Trench Cost	Optical Tranceiver Pair	Construct ion Permits	Design & Engineering	Project Managem ent (If Turn-Key)	Walkout
1	BN-BM	Champion to Clarewood	\$3,203.94	\$550.00	\$840.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3,275.80		\$75.00
2	BM-BK	Clarewood to Telegraph	\$4,758.56	\$550.00	\$840.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,868.69		\$75.00
3	BK-BJ	Telegraph to MacArthur	\$5,344.86	\$550.00	\$840.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,342.73		\$75.00
4	BJ-BP	MacArthur to Foothill	\$1,541.30	\$550.00	\$700.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,542.02		\$75.00
5	BP-BN	Foothill to Champion	\$2,083.92	\$550.00	\$420.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,002.07		\$75.00
Sub Totals			16,912.59	\$2,750.00	\$3,640.00	\$0.00	\$0.00	\$0.00	\$0.00	\$17,031.31	\$0.00	\$375.00

Cost Sub Total
Contingency 10%
Total

**Cost Roll-up
Proposed I-Net Sites**

Site Num	Material Total	Labor Total	Site Costs
1	\$4,082.41	\$4,190.80	\$8,273.21
2	\$5,773.06	\$5,783.69	\$11,556.75
3	\$6,410.66	\$6,257.73	\$12,668.39
4	\$2,274.29	\$2,317.02	\$4,591.31
5	\$2,842.64	\$2,497.07	\$5,339.71
	\$21,383.07	\$21,046.31	\$42,429.38

	\$42,429.38
	\$4,242.94
	\$46,672.31