

Project Services Addendum #21 to Fiber One Agreement

Regarding Buying Existing Fiber Optic Cable Strands

And

Installation of Fiber Optic Cable for Washington State Department of Transportation

This Project Services Addendum to the Fiber One Agreement is made by and among the following parties: the City of Seattle ("Seattle"), a Washington municipal corporation, acting by and through its Department of Information Technology ("DoIT"); Washington State Department of Transportation ("WSDOT"); King County Transportation ("King County"); City of Edmonds ("Edmonds"); City of Shoreline ("Shoreline"); Snohomish County ("Snohomish"); and University of Washington (UW).

In this Addendum, the above named parties may be collectively referred to as "Project Participating Agencies".

WHEREAS, Seattle, WSDOT, King County, Edmonds, Shoreline, Snohomish, and UW are Participating Agencies in the Fiber One Agreement; and

WHEREAS, acting as Lead Agency, DoIT has existing fiber and will install fiber optic cable, and WSDOT would like to participate in the sharing of a fiber cable; and

WHEREAS, DoIT, acting as Lead Agency, is installing a fiber optic cable on behalf of WSDOT; and

WHEREAS, the Project Participating Agencies desire to memorialize the scope of the fiber installation, the arrangements for sharing the cost of the fiber installation, and the use of the fiber within the cables;

NOW, THEREFORE, the parties hereby agree as follows:

1. Overview of the Project Scope

The project scope covers the installation of dedicated fiber communication for future WSDOT highway and tunnel operation applications.

- 1.1. DoIT will install a 288 strand cable, 48 dedicated to WSDOT, from Aurora Av N & N Roy St to Aurora Av N & N 145th St in an existing innerduct and manholes that the City of Seattle owns. The rest of the strands in the cable will be listed as spare.
- 1.2. WSDOT will purchase 48 strands in an existing fiber from Aurora Av N & N 145th St (Seattle), through City of Shoreline, to the manhole at Aurora & 238th St (City of Edmonds) per the Fiber One Partnership's General Terms and Conditions, Exhibit A.

#5784
CON-5-86

2. Project Contact Information:

The Project Manager for Washington State Department of Transportation (WSDOT) is Dave Lindberg, desk (206)805-5378, lindbed@wsdot.wa.gov.

The Network Services Manager for WSDOT, Office of Information Technology is Randy Baker, Network Services Manager, desk (360) 705-7694, cell (360) 701-3146 , bakerra@wsdot.wa.gov.

Fiber Program Manager for the City of Seattle Department of Information Technology is Kris Henry-Simmons at (206) 684-0265, cell (206) 255-6258, kristine.henry-simmons@seattle.gov.

3. Project Description:

As detailed in Exhibit B (Aurora from 145th St to 238th St Fiber Route Diagram) and incorporated as part of this addendum includes the following:

- 3.1 Backbone - Aurora from Roy St to 145th St, Exhibit B. Install a 288 single mode fiber cable using existing DoIT manholes and innerduct. The manhole locations are listed below.

MH #	Location	Street / Sidewalk
1	On Aurora Av N, north of Roy St	West, southbound lane
2	On Aurora Av N, north of Lee St	West, southbound lane
3	On Aurora Av N, south of Crockett St	West, southbound lane
4	Aurora Av N, south of McGraw St	West, southbound lane
5	South side of Aurora Bridge, south of Queen Ann Dr	West, southbound lane
6	North of Aurora Bridge, south of Fremont Av N	West, southbound lane
7	On Aurora Av N, south of N 40th St	West, southbound lane
8	On Aurora Av N, south of N Allen Pl	West, southbound lane
9	On Aurora Av N, south of N 50th St	West, southbound lane
10	On Aurora Av N, south of N 59th St	West, southbound lane
11	On Aurora Av N, south of N 66th St	West, southbound lane
12	On Aurora Av N, south of N 73rd St	West, southbound lane
13	On Aurora Av N, north of N 80th St	Center lane
14	On Aurora Av N, south of N 85th St	Center lane
15	On Aurora Av N, south of N 87th St	Center lane
16	On Aurora Av N, north of N 94th St	Center lane
17	On Aurora Av N, south of N 105th St	Center lane
18	On Aurora Av N, between 109th & 115th	Center lane
19	On Aurora Av N, between 115th & 125th	Center lane
20	On Aurora Av N, north of N 125th St	Center lane
21	On Aurora Av N, south of N 130th St	Center lane
22	On Aurora Av N, between 130th & 135th	Center lane
23	On Aurora Av N, between 137th & 143rd	Center lane
24	On Aurora Av N, south of N 143rd St	Center lane
25	On Aurora Av N, south of N 145th St	Center lane

3.2 Backbone – Aurora Av N from N 145th St (Seattle), through City of Shoreline, to 238th St (City of Edmonds), Exhibit B. Buy 48 strands in an existing cable already shared by King County Transportation, City of Shoreline, Snohomish County, City of Edmonds, and University of Washington per the guidelines of the Fiber One Agreement’s General Terms and Conditions.

MH #	Location	Street / Sidewalk
36	On Aurora Av N, south of N 238th St	Center lane
35	On Aurora Av N, south of N 205th St	Center lane
34	On Aurora Av N, south of N 199th St	Center lane
33	On Aurora Av N, south of N 192nd St	Center lane
32	On Aurora Av N, south of N 185th St	Center lane
31	On Aurora Av N, south of N 175th St	Center lane
30	On Aurora Av N, north of N 165th St	Center lane
29	On Aurora Av N, north of N 163rd St	Center lane
28	On Aurora Av N, south of N 160th St	Center lane
27	On Aurora Av N, south of N 155th St	Center lane
26	On Aurora Av N, north of N 145th St	Center lane
25	On Aurora Av N, south of N 145th St	center lane

4. Project Participating Agencies

Washington State Department of Transportation (WSDOT)

5. Lead Agency

City of Seattle, Department of Information Technology (DoIT)

6. Project Manager

Kris Henry-Simmons, City of Seattle, Department of Information Technology

7. Facility Owners (Top of Next Page)

Aurora from Roy St to 145th St, Exhibit B. Install a 288 single mode fiber cable using existing DoIT manholes and innerduct.

Aurora Av N from N 145th St (Seattle), through City of Shoreline, to 238th St (City of Edmonds), Exhibit B uses DoIT conduit and manhole to the City of Shoreline Right Of Way at N 145th St. At the City of Shoreline Right Of Way at N 145th St heading north, the conduit and manholes are shared by DoIT and City of Shoreline to the manhole at N 160th St. North of N 160th St the innerduct and manholes are owned by City of Shoreline to the Snohomish County line at 205th St. North of the Snohomish County line the conduit and manhole is owned by City of Edmonds.

At this time there is no cost associated with using the DoIT, Shoreline, or Edmonds conduit and manhole system.

8. Project Budget, Contingency and Cost Sharing Method:

The project budget has been set with a not-to-exceed amount of \$531,006.40 , (Exhibit C).

Cost Sharing of the project engineering, project management costs, the cost of the fiber, other material, and installation may be apportioned per the Fiber One Seattle Fiber Partners General Terms and Conditions, Exhibit A if an agency wants to use this fiber from Roy St. to 238th.

9. Billing:

Billing for the WASHINGTON STATE DEPARTMENT OF TRANSPORTATION will be sent to:

Office of Information Technology
Vendor Payments
PO Box 47430
Olympia, WA 98504-7430
WSDOTOITVENDORPAYMENTS@wsdot.wa.gov

A courtesy copy of the invoice shall also be provided via email to the WSDOT Network Services Manager identified under **Section 2 – Project Contact Information**.

10. Contractual Framework and General Terms and Conditions:

The Project Participating Agencies on this project adopt the Fiber One Agreement General Terms and Conditions (Exhibit A) for fiber sharing projects as part of this Addendum. The allocation of the existing and new fiber is subject to the same terms and conditions as if the fiber were installed as a shared project and the Participating Agencies accept the applicable Fiber One duties, limitations, and obligations.

11. Special Terms and Conditions:

The Seattle Department of Information Technology, as the lead agency, will maintain management and maintenance responsibility for the fiber cables covered under this addendum. All connections or maintenance shall be completed by City of Seattle, Department of Information Technology , or its contractors on a cost-reimbursement basis, plus agreed upon overhead, consistent with the General Terms and Conditions. The underlying agreement explains how costs will be dispersed in section III, Relationship among Participating Agencies and the Lead Agency.

12. Schedule:

It is estimated that the project will be completed by the end of December, 2011, or sooner if requested.

IN WITNESS WHEREOF, THE PARTIES HERETO EXECUTE THIS AMENDMENT

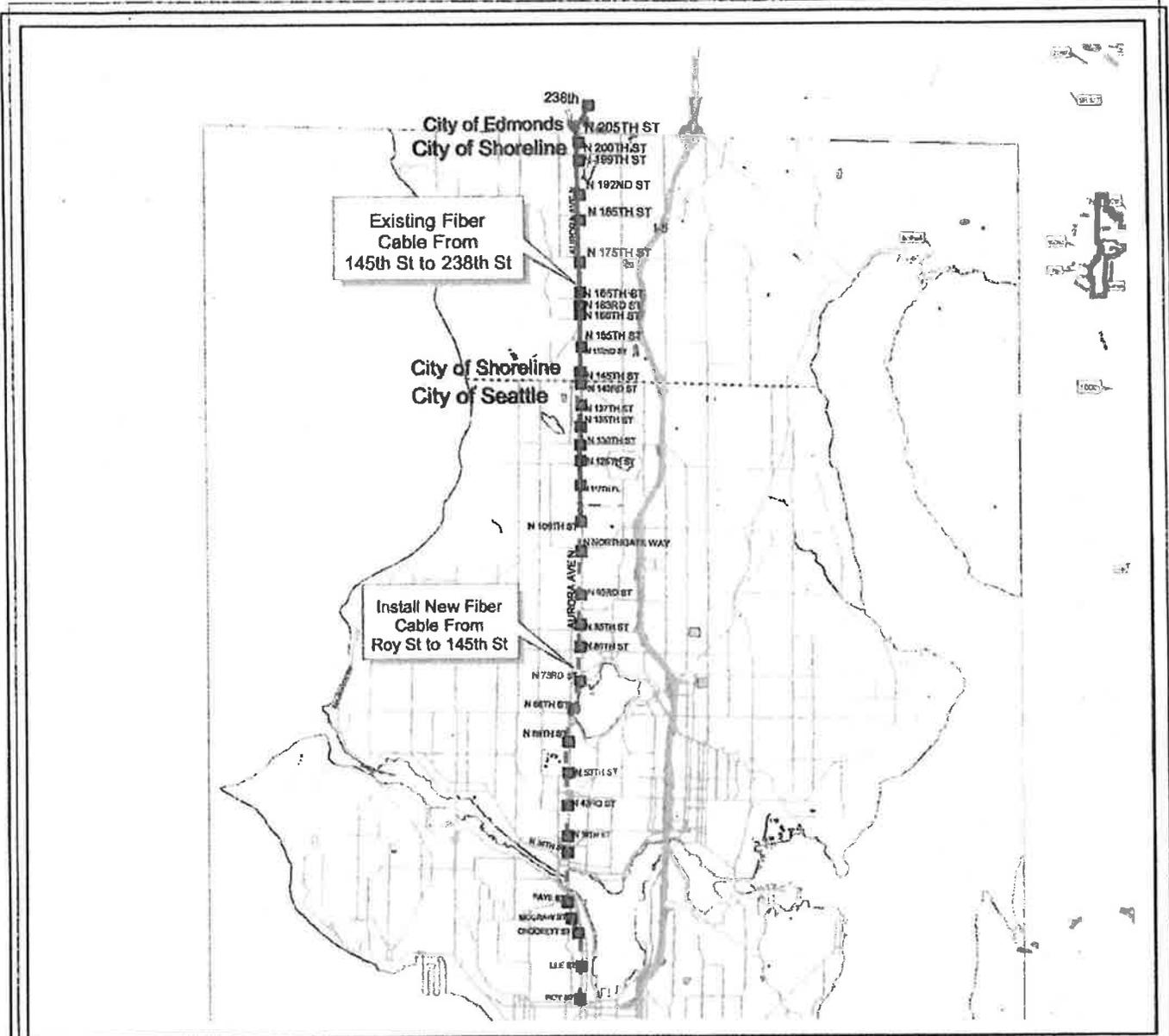
CITY OF SEATTLE		WASHINGTON STATE
DEPARTMENT OF INFORMATION TECHNOLOGY		DEPARTMENT OF TRANSPORTATION
By: <i>Kris Henry</i>		By: <i>Bill Ford</i>
Title: Fiber Program Manager		Title: Asst. Secy., Administrative Operations
Date: <i>6-6-11</i>		Date: <i>5-27-11</i>
CITY OF SHORELINE		KING COUNTY
By: <i>Julie Lind</i>		By:
Title: <i>City Manager</i>		Title:
Date: <i>8/31/11</i>		Date:
UNIVERSITY OF WASHINGTON		CITY OF EDMONDS
By: <i>Clare Donahue</i>		By: <i>David D. Egan</i>
Title: <i>Assoc. V.P. IWT</i>		Title: <i>Mayor</i>
Date: <i>6/13/2011</i>		Date: <i>1-4-11</i>
SNOHOMISH COUNTY		
By:		
Title:		
Date:		

Approved as to form:

 Shoreline City Attorney

WSDOT Aurora Project

Buy 48 strands from N 145th (Seattle) to 238th (Edmonds)
Install 288 strands (48 for WSDOT) from Roy St to N 145th St



DO NOT COPY

Legend

- Regional Water Bodies
- City Limits
- DoIT MH's in US Crossing Conduit Run
- Snohomish County Arterials

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The City of Seattle

Produced by the City of Seattle, DoIT

December 9, 2010

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WSDOT Cost Estimate To Purchase 48 vs 96 strands of fiber from Roy & Aurora (Seattle) to 238th & Aurora (Edmonds)

Items	size	Type	\$ / Unit	Unit	Qty	Total	Contractor Costs (NetVersant)	Contractor Costs (Link)	DoIT Costs (Permit, Material, and Admin)
Permit			\$ 5,500.00	feet	1	\$ 5,500.00			\$ 5,500.00
Fiber Cable	288	outdoor	\$ 3.00	feet	50000	\$ 150,000.00			\$ 150,000.00
Testing Fiber Cable/Documentation	2x8x50		\$ 800.00	day	3	\$ 2,400.00		\$ 2,400.00	
Proof Problem Conduit Location	5x10x55	Reg-Time	\$ 2,750.00	day	2	\$ 5,500.00	\$ 5,500.00		
Install cable from Roy St to 145th St	6 guysx8hrsx82.50/hr	OT-1.5	\$ 495.00	hr	12	\$ 5,940.00	\$ 5,940.00		
Install cable from Roy St to 145th St	6 guysx8hrsx110.00/hr	OT-Double	\$ 990.00	hr	38	\$ 37,620.00	\$ 37,620.00		
Bucket Truck/Pickups Cable Install			\$ 500.00	day	6	\$ 3,000.00	\$ 3,000.00		
Splice Cases			\$ 600.00	each	2	\$ 1,200.00			\$ 1,200.00
Splice Trays			\$ 55.00	each	10	\$ 550.00			\$ 550.00
Splice Sleeves			\$ 1.00	each	336	\$ 336.00			\$ 336.00
Tags			\$ 6.00	each	30	\$ 180.00			\$ 180.00
Fiber Van			\$ 160.00	each	11	\$ 1,760.00		\$ 1,760.00	
Labor to Splice	2x8x50		\$ 800.00	day	8	\$ 6,400.00		\$ 6,400.00	
Labor to test, documentation	2x8x50		\$ 800.00	day	3	\$ 2,400.00		\$ 2,400.00	
Construction Subtotal						\$ 217,286.00	\$ 52,060.00	\$ 12,960.00	\$ 152,266.00
9.5% sale tax						\$ 20,642.17	\$ 4,945.70	\$ 1,231.20	\$ 14,465.27
Construction TOTAL						\$ 237,928.17	\$ 57,005.70	\$ 14,191.20	\$ 166,731.27
5% Construction Contingencies						\$ 11,896.41	\$ 2,850.29	\$ 709.56	\$ 8,336.56
SUBTOTAL						\$ 249,824.58	\$ 59,855.99	\$ 14,900.76	\$ 175,067.83
15% Proj Management						\$ 37,473.69	\$ 8,978.40	\$ 2,235.11	\$ 26,260.18
SUBTOTAL						\$ 287,298.27	\$ 68,834.38	\$ 17,135.87	\$ 201,328.01
Risk Reserve for Conduit Dig Ups						\$ 7,000.00	\$ 7,000.00	\$ -	\$ -
GRAND TOTAL						\$ 294,298.27	\$ 75,834.38	\$ 17,135.87	\$ 201,328.01

*If cost is over \$7,000 will need to go out to bid.

*If under \$7,000, may use NetVersant or another contractor.

Cost of Fiber Roy St to N 145th St (from above) \$ 294,298.27
 Existing Fiber Optic Purchase between N 145th St and 238th St SW \$ 27,807.28
GRAND TOTAL COST ESTIMATE: \$ 322,105.55