

BID COST ANALYSIS															
SIDE BY SIDE COMPARISON															
					RPU CONTRACT BID AVERAGE ESTIMATE	ASPLUNDH TOTAL	RPU ESTIMATED TOTAL								
ITEM	PER	DESCRIPTION	EST. QTY	UNIT PRICE					NOTES						
1	LF	Furnish and install 4" Sch.80 PVC in Joint Trench Conduit to be placed in 6" trench @ 36-37" B.G. on bottom Backfill to be based on original bid. This price is an adder to the original bid unit.	31330	\$ 18.00	\$ 37.86	\$ 563,940.00	\$ 1,186,153.80		RPU cost is a combination of street light trench and 4" sch 40 conduit. It doesn't include encasement. Asplundh conduit installation price includes encasement						
2	EA	6E Pull Box Est. (Spacing on boxes are at 500')	10	\$ 1,250.00	\$ 1,034.71	\$ 12,500.00	\$ 10,347.08								
3	EA	N48 Pull Box Est. (See attached cut sheet)	30	\$ 3,126.00	\$ 4,189.17	\$ 93,780.00	\$ 125,675.10								
4	EA	Communication Box 3x5 (See attached cut sheet)	25	\$ 6,410.00	\$ 5,991.16	\$ 160,250.00	\$ 149,779.00								
5	LF	288 SMFO Cable / Option #2 We have not included any Fiber splicing, splice encloses or hardware. Fiber pulls are based on four setups.	36500	\$ 5.98	\$ 12.74	\$ 218,270.00	\$ 465,010.00		Estimate doesn't include city overhead cost						
6	LF	Install #10 Tracer Wire with conduit.	31330	\$ 0.75		\$ 23,497.50			RPU includes tracer material and installation cost in fiber cable installation						
7	SF	PCC Sidewalk per City Std.	5200	\$ 10.40	\$ 22.82	\$ 54,080.00	\$ 22.82								
8	LF	Remove and Replace Curb & Gutter		\$ 36.00		\$ -									
9	SF	Cold Milling Type CM2		\$ 0.20		\$ -									
10	TON	Asphalt Paving DGAC		\$ 94.50		\$ -									
11	EA	Traffic Control Drawing (As needed per sheet)		\$ 510.00		\$ -									
12	LF	8" Solid White Stripe (Thermo)		\$ 1.00		\$ -									
13	SF	12" Solid Stripe (Thermo)		\$ 3.00		\$ -									
14	SF	Pavement Markings (Thermo)		\$ 3.75		\$ -									
Additional Conduit needed to complete areas not covered															
ITEM	PER	DESCRIPTION	EST. QTY	UNIT PRICE		LINE TOTAL									
1A	LS	Van Buren & Magnolia	1	\$ 10,155.00	\$ 37.86	\$ 10,155.00	\$ 2,574.48		RPU estimated cost doesn't include traffic control, asphalt, grind/cap and striping						
		Install 4" conduit from existing M.H. to new Pull box (Station 202+00 Approx. 68')													
		\$149.33 PER FOOT													
2A	LS	Monroe Street Magnolia	1	\$ 14,460.00	\$ 37.86	\$ 14,460.00	\$ 5,300.40		RPU estimated cost doesn't include traffic control, asphalt, grind/cap and striping						
		Install 4" conduit (Station 254+60 to 256+00 Approx. 140')													
		\$103.28 PER FOOT													
3A	LS	Madison & Magnolia	1	\$ 11,100.00	\$ 37.86	\$ 11,100.00	\$ 5,253.08		RPU estimated cost doesn't include traffic control, asphalt, grind/cap and striping						
		Install additional 4" conduit (Station 336+60 to 337+40 Approx. 80')													
		\$138.75 PER FOOT													
4A	LS	Arlington Ave. & Magnolia	1	\$ 16,260.00	\$ 37.86	\$ 16,260.00	\$ 3,847.33		RPU estimated cost doesn't include traffic control, asphalt, grind/cap and striping						
		Install 4" conduit (Station 367+20 to 368+80 Approx. 160')													
		\$101.62 PER FOOT													
5A	LF	On Magnolia to Central	1131	\$ 19.00	\$ 37.86	\$ 21,489.00	\$ 42,819.66		RPU estimated cost doesn't include traffic control, asphalt, grind/cap and striping						
		Install 4" conduit (Station 388+00 to 398+00 approx. 1131')													
		Estimated cost to include Traffic control, Asphalt, Grind/Cap or striping.													
		Traffic Control			\$ 1,782.16	\$ 2,700.00	\$ 1,782.16		RPU estimated cost doesn't include traffic control, asphalt, grind/cap and striping						
		Asphalt				\$ 1,800.00									
		Grind / Cap				\$ 4,950.00									
		Striping				\$ 1,200.00									
6A	LS	Beatty Drive & Magnolia	1	\$ 10,920.00	\$ 37.86	\$ 10,920.00	\$ 5,300.40		RPU estimated cost doesn't include traffic control, asphalt, grind/cap and striping						
		Install 4" Intersection crossing approx. 140'													
		\$78 PER FOOT													
7A	LF	Merrill to Briscoe St.	2551	\$ 19.00	\$ 37.86	\$ 48,469.00	\$ 37.86		RPU estimated cost doesn't include traffic control, asphalt, grind/cap and striping						
		Install 4" conduit from (station 411+00 to 435+50 approx. 2551')													
		Estimated cost to include Traffic control, Asphalt, Grind/Cap or striping													
		Traffic Control			\$ 1,782.16	\$ 3,000.00	\$ 1,782.16								
		Asphalt				\$ 3,615.00									
		Grind / Cap				\$ 9,972.00									
		Striping				\$ 2,100.00									
8A	LS	Ninth St. & Market St.													
		Install 4" conduit (Station 518+60 to 520+60 approx. 141')	1	\$ 20,232.00	\$ 37.86	\$ 20,232.00	\$ 5,338.26								
9A	LF	Install 3-HDPE 11/4 SDR-11 Smooth In/Out Innerduct Orange / Blace / Blue	35741	\$ 4.05	\$ 6.00	\$ 144,751.05	\$ 6.00								
10A	LF	Install 4" 3-Cell Maxcell - In/Out Innerduct Per attached Spects.	35741	\$ 5.83	\$ 6.00	\$ 208,370.03	\$ 214,446.00								
***		50% of the common project costs for mobilization, storm water pollution control, asphalt pavement restoration and traffic control and access. See Public Works bid 7415 - 50% of line items (7,8,9 and 11)				\$ 191,250.00	\$ 382,500.00								
		*note by contractor: "as needed" RPU engineer estimated quantity for budged purposes													
Price of Asplundh versus engineering estimate					<table><tr><td>SUB-TOTAL</td><td>\$ 1,708,359.53</td><td>\$ 2,607,969.58</td></tr><tr><td>% SAVINGS</td><td></td><td>34%</td></tr></table>					SUB-TOTAL	\$ 1,708,359.53	\$ 2,607,969.58	% SAVINGS		34%
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% SAVINGS		34%													
Total Cost for WO minus the contingency						Estimated Cost for RPU work combined with Public Works Project	Estimated cost for RPU work on it's own								
1. Engineering, Design, project administration and management						\$ 50,000.00	\$ 225,000.00								
2. Material						\$ 50,000.00	\$ 50,000.00								
3. RPU Field work and / Inspection by RPU						\$ 125,000.00	\$ 125,000.00								
***Total Cost doesn't include change order contingency (\$226,000)						TOTAL COST	\$ 1,933,359.53	\$ 3,007,969.58							
						% SAVINGS	36%								

PROPOSAL FROM ASPLUNDH CONSTRUCTION						
AREAS WITH JOIN TRENCH						
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7	SF	PCC Sidewalk per City Std.	5200	\$ 10.40	\$	54,080.00
8	LF	Remove and Replace Curb & Gutter		\$ 36.00	\$	-
9	SF	Cold Milling Type CM2		\$ 0.20	\$	-
10	TON	Asphalt Paving DGAC		\$ 94.50	\$	-
11	EA	Traffic Control Drawing (As needed per sheet)		\$ 510.00	\$	-
12	LF	8" Solid White Stripe (Thermo)		\$ 1.00	\$	-
13	SF	12" Solid Stripe (Thermo)		\$ 3.00	\$	-
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3A	LS	Madison & Magnolia Install additional 4" conduit (Station 336+60 to 337+40 Approx. 80')	1	\$ 11,100.00	\$	11,100.00
4A	LS	Arlington Ave. & Magnolia Install 4" conduit (Station 367+20 to 368+80 Approx. 160')	1	\$ 16,260.00	\$	16,260.00
5A	LF	On Magnolia to Central Install 4" conduit (Station 388+00 to 398+00 approx. 1131') Estimated cost to include Traffic control, Asphalt, Grind/Cap or striping.	1131	\$ 19.00	\$	21,489.00
		Traffic Control			\$	2,700.00
		Asphalt			\$	1,800.00
		Grind / Cap			\$	4,950.00
		Striping			\$	1,200.00
6A	LS	Beatty Drive & Magnolia Install 4" Intersection crossing approx. 140'	1	\$ 10,920.00	\$	10,920.00
7A	LF	Merrill to Briscoe St. Install 4" conduit from (station 411+00 to 435+50 approx. 2551') Estimated cost to include Traffic control, Asphalt, Grind/Cap or striping	2551	\$ 19.00	\$	48,469.00
		Traffic Control			\$	3,000.00
		Asphalt			\$	3,615.00
		Grind / Cap			\$	9,972.00
		Striping			\$	2,100.00
8A	LS	Ninth St. & Market St. Install 4" conduit (Station 518+60 to 520+60 approx. 141')	1	\$ 20,232.00	\$	20,232.00
9A	LF	Install 3-HDPE 11/4 SDR-11 Smooth In/Out Innerduct Orange / Blace / Blue	35741	\$ 4.05	\$	144,751.05
10A	LF	Install 4" 3-Cell Maxcell - In/Out Innerduct Per attached Spects.	35741	\$ 5.83	\$	208,370.03
*note by contractor: "as needed" engineer estimated quantity for budged purposes			RPU			
Total					\$	1,517,109.53

RPU Contract Bid - Averages of Awarded Unit Prices												
	Averages - Past 6 awarded bids (or CAC/Estimate)											
					6 most current bid prices							
Asplundh Line Items	Description	Unit	Avg\$		Latest	2nd	3rd	4rd	5th	6th	CAC	Revised Date
	Trench or Bore, Only RPU, Backfill, Restoration and Shoring (where required) (Trench feet)	ft	\$166.34		\$201.28	\$336.85	\$164.09	\$113.31	\$89.78	\$92.74		3/27/2017
	Trench or Bore, Joint Use, Backfill, Restoration and Shoring (where required) (Trench feet)	ft	\$66.36		\$69.72	\$63.00					90	4/24/2013
	Trench or Bore, Without RPU, Backfill, Restoration and Shoring (where required) (Trench feet)	ft	\$59.20		\$59.20						60	6/7/2011
1, 1A-8A	Street Light Trench or Bore, Backfill and Restoration (Trench feet)	ft	\$29.74		\$68.00	\$3.00	\$30.54	\$63.40	\$10.00	\$3.50		3/27/2017
	Trench or Bore, Only RPU, Backfill, Restoration and Shoring (where required) (Trench feet)	ft	\$ 166.34		\$201.28	\$336.85	\$164.09	\$113.31	\$89.78	\$92.74		3/27/2017
	Trench or Bore, Joint Use, Backfill, Restoration and Shoring (where required) (Trench feet)	ft	\$ 66.36		\$69.72	\$63.00					90	4/24/2013
	Trench or Bore, Without RPU, Backfill, Restoration and Shoring (where required) (Trench feet)	ft	\$ 59.20		\$59.20						60	6/7/2011
	Street Light Trench or Bore, Backfill and Restoration (Trench feet)	ft	\$ 29.74		\$68.00	\$3.00	\$30.54	\$63.40	\$10.00	\$3.50		3/27/2017
	Furnish and Install 2 inch SCH40 conduit (Duct feet)	ft	\$ 3.59		\$5.33	\$5.67	\$2.54	\$3.00	\$2.54	\$2.48		1/13/2015
1, 1A-8A	Furnish and Install 4 inch SCH40 conduit (Duct feet)	ft	\$ 8.12		\$5.00	\$7.00	\$8.70	\$10.35	\$8.62	\$9.04		3/27/2017
	Furnish and Install 2 inch DB100 conduit (Duct feet)	ft	\$ 2.40		\$2.75	\$6.00	\$1.39	\$2.50	\$0.90	\$0.85		5/14/2014
	Furnish and Install 4 inch DB100 conduit (Duct feet)	ft	\$ 7.28		\$14.55	\$9.83	\$4.75	\$7.00	\$3.04	\$4.50		3/27/2017
4	Furnish and install Pull Box 3 foot x 5 foot (PR-7,8)	ea	\$ 5,991.16		\$7,696.79	\$4,677.60	\$5,824.19	\$5,824.19	\$5,824.19	\$6,100.00		5/28/2015
3	Furnish and install Pull Box 2.5 foot x 4 foot (PR-4)	ea	\$ 4,189.17		\$4,189.17							
	Furnish and install Pull Box 2 foot x 3 foot (PS-1,2)	ea	\$ 1,980.63		\$4,849.00	\$3,054.80	\$1,180.00	\$1,800.00	\$500.00	\$500.00	3000	1/13/2015
2	Furnish and Install Electric Service Box 17 inch x 30 inch (ESB-6)	ea	\$ 1,034.71		\$921.00	\$1,503.75	\$703.00	\$1,070.00	\$1,070.00	\$940.50		3/27/2017
	Furnish and Install Electric Service Box 2 foot x 3 foot (ESB-7)	ea	\$ 2,415.00		\$2,415.00	\$2,415.00					600	5/28/2015
5A,7A	Mobilization and Demobilization	ls	\$ 3,730.03		\$2,573.00	\$8,986.95	\$3,382.20	\$2,300.00	\$2,364.00	\$2,774.00		3/27/2017
5A,7A	Traffic Control	ls	\$ 1,782.16		\$1,692.00	\$2,103.93	\$1,724.00	\$1,768.00	\$1,277.00	\$2,128.00		3/27/2017
7	Remove and Replace Concrete (sq ft)	sf	\$ 22.82		\$17.87	\$40.66	\$28.91	\$29.00	\$15.00	\$5.50	9	3/27/2017

High Bid Price
Low Bid Price
Average Bid Price

5	RPU Engineering estimate for 96 and 144 fiber cable installation and materials (no city overhead included)	ft	\$ 12.74
9A, 10A	RPU Engineering estimate for 1.25 inch corrugated innerduct. Single lay/double lay (no city overhead included)	ft	\$ 6.00