

BID COST ANALYSIS

SIDE BY SIDE COMPARISON										
ITEM	PER	DESCRIPTION	EST. QTY	UNIT PRICE	RPU CONTRACT BID AVERAGE ESTIMATE	ASPLUNDH TOTAL	RPU ESTIMATED TOTAL	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 enclosures 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.	1	\$ 20,232.00	\$ 37.86	\$ 20,232.00	\$ 5,338.26			
		Install 4" conduit (Station 518+60 to 520+60 approx. 141')								
		\$143.48								
9A	LF	Install 3-HDPE 11/4 SDR-11 Smooth In/Out Innerduct	35741	\$ 4.05	\$ 6.00	\$ 144,751.05	\$ 6.00			
		Orange / Blace / Blue								
10A	LF	Install 4" 3-Cell Maxcell - In/Out Innerduct	35741	\$ 5.83	\$ 6.00	\$ 208,370.03	\$ 214,446.00			
		Per attached Specs.								
***		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" engineer estimated quantity for budget purposes								
Price of Asplundh versus engineering estimate										
		SUB-TOTAL	\$ 1,708,359.53	\$ 2,607,969.58						
		% SAVINGS	34%							
Total Cost for WO minus the contingency										
1.	Engineering, Design, project administration and management									
2.	Material									
3.	RPU Field work and / Inspection by RPU									
***	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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8	LF	Remove and Replace Curb & Gutter		\$ 36.00	\$ -	
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5A	LF	On Magnolia to Central	1131	\$ 19.00	\$ 21,489.00	
		Install 4" conduit (Station 388+00 to 398+00 approx. 1131')				
		Estimated cost to include Traffic control, Asphalt, Grind/Cap or striping.				
		Traffic Control		\$ 2,700.00		
		Asphalt		\$ 1,800.00		
		Grind / Cap		\$ 4,950.00		
		Striping		\$ 1,200.00		
6A	LS	Beatty Drive & Magnolia	1	\$ 10,920.00	\$ 10,920.00	
		Install 4" intersection crossing approx. 140'				
7A	LF	Merrill to Briscoe St.	2551	\$ 19.00	\$ 48,469.00	
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		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 Specs.	35741	\$ 5.83	\$ 208,370.03	
*note by contractor: "as needed" engineer estimated quantity for budget 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	
1,1A-8A	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	
	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	
4	Furnish and Install Pull Box 3 foot x 5 foot (PR-7,8)			ea	\$ 5,991.16	\$7,691.79	\$4,677.60	\$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						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