

**BROADWAY LID-8645
COST DISTRIBUTION MATRIX**

3/30/2017 8:32

BUDGET PER ORDINANCE No. 27475
\$3,915,000.00

EX-10

Item	Description	ENGINEER'S ESTIMATE				BID TAB LOW BID	
		Unit	Total Quantity	Unit Cost	Total Cost	Dickson Construction Inc.	
R104	Plastic Access Parking Access Symbol w/ Background	EA	13	\$130.00	\$1,690.00	\$162.00	\$2,106.00
R105	Plastic Bicycle Lane Symbol	EA	2	\$150.00	\$300.00	\$216.00	\$432.00
R106	Curb Paint	LF	692	\$2.25	\$1,557.00	\$1.10	\$761.20
R155	Erosion/Water Pollution Control, as per force account	LS	1	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00
ROADWAY							
				BID TOTAL	\$4,783,756.45		\$4,578,358.20

COST DISTRIBUTION PER RESPONSIBLE AREA						
Property Owner	Extra Work Items	Storm Sewer Utility	Sanitary Sewer Utility	Tacoma Water	Tacoma Power	Totals
\$850.50		\$324.01	\$404.98	\$324.01	\$202.50	\$2,106.00
\$216.00		\$66.46	\$83.07	\$66.46	\$0.00	\$432.00
\$362.45		\$117.11	\$146.38	\$117.11	\$18.15	\$761.20
						\$0.00
\$2,243,322.07	\$220,697.65	\$498,708.03	\$622,440.34	\$498,708.03	\$494,482.08	\$4,578,358.20

STORM SEWER QUANTITIES (ENV-00305)

R60	Structure Excavation, Cl. B	CY	4347	\$14.00	\$60,858.00	\$11.30	\$49,121.10
R54	Adjust Ex. Manhole	EA	9	\$500.00	\$4,500.00	\$552.45	\$4,972.05
R23	Remove Catch Basin	EA	40	\$350.00	\$14,000.00	\$255.00	\$10,200.00
R24	Remove Manhole, at per each	EA	14	\$750.00	\$10,500.00	\$610.00	\$8,540.00
R44	6" Trench Drain	LF	131	\$140.00	\$18,340.00	\$101.65	\$13,316.15
R61	Shoring or Extra Excavation, Cl. B	SF	39965	\$0.50	\$19,982.50	\$0.15	\$5,994.75
R62	Removal and Replacement of Unsuitable Backfill Material	CY	2746	\$35.00	\$96,110.00	\$40.85	\$112,174.10
R63	Manhole 48-Inch Dia., Ty 1,	EA	36	\$3,400.00	\$122,400.00	\$3,375.45	\$121,516.20
R64	Manhole 48-Inch Dia., Ty 3,	EA	2	\$3,500.00	\$7,000.00	\$3,180.00	\$6,360.00
R65	Temporary Storm Sewer Connection	LS	1	\$5,000.00	\$5,000.00	\$2,820.00	\$2,820.00
R66	Abandon Ex. Manhole	EA	3	\$1,500.00	\$4,500.00	\$872.55	\$2,617.65
R67	Catch Basin, Ty 1	EA	67	\$1,350.00	\$90,450.00	\$1,344.40	\$90,074.80
R68	Catch Basin, Ty 2, 48-Inch Diam.	EA	3	\$3,000.00	\$9,000.00	\$3,040.70	\$9,122.10
R69	PVC Storm Sewer Pipe, 8-Inch Dia.	LF	164	\$44.00	\$7,216.00	\$40.00	\$6,560.00
R70	PVC Storm Sewer Pipe, 10-Inch Dia.	LF	1307	\$50.00	\$65,350.00	\$38.00	\$49,666.00
R71	PVC Storm Sewer Pipe, 12-Inch Dia.	LF	3555	\$55.00	\$195,525.00	\$45.00	\$159,975.00
R72	PVC Storm Sewer Pipe, 15-Inch Dia.	LF	143	\$65.00	\$9,295.00	\$50.00	\$7,150.00
R73	PVC Storm Sewer Pipe, 21-Inch Dia.	LF	82	\$85.00	\$6,970.00	\$80.00	\$6,560.00
R74	Ductile Iron Sewer Pipe, 10-Inch Dia	LF	115	\$70.00	\$8,050.00	\$60.00	\$6,900.00
R75	Ductile Iron Sewer Pipe, 12-Inch Dia	LF	817	\$70.00	\$57,190.00	\$65.00	\$53,105.00
R76	Connect New Sewer Pipe, 8-Inch Diam., to Existing Structure	LF	5	\$1,200.00	\$6,000.00	\$1,010.00	\$5,050.00
R77	Connect New Sewer Pipe, 10-Inch Diam., to Existing Structure	EA	2	\$1,500.00	\$3,000.00	\$1,585.00	\$3,170.00
R78	Connect New Sewer Pipe, 12-Inch Diam., to Existing Structure	EA	1	\$1,800.00	\$1,800.00	\$2,400.00	\$2,400.00
R79	Recon. Ex.Sewer Pipe, 8-Inch Diam., to New Structure	EA	2	\$1,200.00	\$2,400.00	\$168.25	\$336.50
R80	Recon. Ex.Sewer Pipe, 10-Inch Diam., to New Structure	EA	5	\$1,500.00	\$7,500.00	\$197.00	\$985.00
R81	Recon. Ex.Sewer Pipe, 15-Inch Diam., to New Structure	EA	1	\$1,800.00	\$1,800.00	\$587.15	\$587.15
R82	Temporary Storm Sewer Bypass Plan	LS	1	\$1,500.00	\$1,500.00	\$750.00	\$750.00
R83	Temporary Storm Sewer Bypass	LS	1	\$25,000.00	\$25,000.00	\$12,455.00	\$12,455.00
R84	Plugging Ex. Pipe (8")	EA	1	\$1,000.00	\$1,000.00	\$155.00	\$155.00
R85	CDF for Pipe Abandonment	CY	68	\$165.00	\$11,220.00	\$171.50	\$11,662.00
R86	Testing Sewer Pipe	LF	4372	\$2.75	\$12,023.00	\$2.50	\$10,930.00
STORM SEWER							
				BID TOTAL	\$885,479.50		\$775,225.55

						\$49,121.10	\$49,121.10
						\$4,972.05	\$4,972.05
						\$10,200.00	\$10,200.00
						\$8,540.00	\$8,540.00
						\$13,316.15	\$13,316.15
						\$5,994.75	\$5,994.75
						\$112,174.10	\$112,174.10
						\$121,516.20	\$121,516.20
						\$6,360.00	\$6,360.00
						\$2,820.00	\$2,820.00
						\$2,617.65	\$2,617.65
						\$90,074.80	\$90,074.80
						\$9,122.10	\$9,122.10
						\$6,560.00	\$6,560.00
						\$49,666.00	\$49,666.00
						\$159,975.00	\$159,975.00
						\$7,150.00	\$7,150.00
						\$6,560.00	\$6,560.00
						\$6,900.00	\$6,900.00
						\$53,105.00	\$53,105.00
						\$5,050.00	\$5,050.00
						\$3,170.00	\$3,170.00
						\$2,400.00	\$2,400.00
						\$336.50	\$336.50
						\$985.00	\$985.00
						\$587.15	\$587.15
						\$750.00	\$750.00
						\$12,455.00	\$12,455.00
						\$155.00	\$155.00
						\$11,662.00	\$11,662.00
						\$10,930.00	\$10,930.00
						\$775,225.55	\$775,225.55

STREETLIGHT QUANTITIES

R107	Remove Existing Streetlight circuit	LF	4657	\$1.35	\$6,286.95	\$1.60	\$7,451.20
R108	Remove Existing Streetlight vault	EA	2	\$4,400.00	\$8,800.00	\$216.00	\$432.00
R109	Remove Existing Streetlight standard	EA	18	\$2,200.00	\$39,600.00	\$540.00	\$9,720.00
R110	Remove Existing wood pole	EA	1	\$2,000.00	\$2,000.00	\$626.50	\$626.50
R111	Remove Existing streetlight from existing wood pole	EA	15	\$450.00	\$6,750.00	\$270.00	\$4,050.00
R112	F&I Twin Luminaire Streetlight Standard	EA	65	\$6,000.00	\$390,000.00	\$7,660.00	\$497,900.00
R113	F&I Single Luminaire Streetlight Standard	EA	9	\$5,000.00	\$45,000.00	\$5,224.00	\$47,016.00
R114	F&I 2 - #6 AWG and 1- #8 AWG Ground Conductor.	LCF	84	\$9.00	\$756.00	\$3.45	\$289.80
R115	F&I 2 - #6 AWG, 2- #8 AWG and 1-#8 AWG Ground Conductor.	LCF	8980	\$7.00	\$62,860.00	\$4.85	\$43,553.00
R116	F&I 2 - #6 AWG, 4- #8 AWG, and 1-#8 AWG Ground Conductor.	LCF	491	\$7.00	\$3,437.00	\$6.55	\$3,216.05
R117	F&I 4 - #6 AWG, 4- #8 AWG, and 1-#8 AWG Ground Conductor.	LCF	36	\$20.00	\$720.00	\$8.85	\$318.60
R118	F&I 2-Inch PVC Schedule 80 Conduit	LF	3213	\$8.00	\$25,704.00	\$4.80	\$15,422.40
R119	F&I 2-Inch PVC Schedule 40 Conduit	LF	14907	\$5.00	\$74,535.00	\$2.90	\$43,230.30
R120	F&I Pad Mounted Streetlight Control Panel	EA	3	\$10,500.00	\$31,500.00	\$6,696.00	\$20,088.00
R121	Temp. Lighting	LS	1	\$12,000.00	\$12,000.00	\$19,440.00	\$19,440.00
R122	F&I Standard Signal/Streetlight Junction Box	EA	70	\$350.00	\$24,500.00	\$271.00	\$18,970.00
R123	F&I Large signal junction box	EA	14	\$475.00	\$6,650.00	\$1,000.10	\$14,001.40
R124	Trenching & Backfilling	LF	4870	\$7.00	\$34,090.00	\$4.60	\$22,402.00
STREETLIGHT							
				BID TOTAL	\$775,188.95		\$768,127.25

						\$7,451.20	\$7,451.20
						\$432.00	\$432.00
						\$9,720.00	\$9,720.00
						\$626.50	\$626.50
						\$4,050.00	\$4,050.00
						\$459,600.00	\$497,900.00
						\$47,016.00	\$47,016.00
						\$289.80	\$289.80
						\$43,553.00	\$43,553.00
						\$3,216.05	\$3,216.05
						\$318.60	\$318.60
						\$15,422.40	\$15,422.40
						\$43,230.30	\$43,230.30
						\$20,088.00	\$20,088.00
						\$19,440.00	\$19,440.00
						\$18,970.00	\$18,970.00
						\$14,001.40	\$14,001.40
						\$22,402.00	\$22,402.00
						\$729,827.25	\$768,127.25
						\$38,300.00	\$38,300.00

LANDSCAPE QUANTITIES

R125	Topsoil	CY	1,170	\$53.50	\$62,595.00	\$48.90	\$57,213.00
R126	Mulch	CY	230	\$42.80	\$9,844.00	\$39.00	\$8,970.00
R127	Root Barrier, 12"	LF	4,200	\$5.35	\$22,470.00	\$2.70	\$11,340.00
R128	Acer Rubrum (Armstrong)	EA	14	\$481.50	\$6,741.00	\$290.00	\$4,060.00
R129	Acer Rubrum (Bowhall)	EA	82	\$481.50	\$39,483.00	\$290.00	\$23,780.00
R130	Fraxinus Pennsylvanica Summit Green Ash	EA	44	\$481.50	\$21,186.00	\$290.00	\$12,760.00

						\$57,213.00	\$57,213.00
						\$8,970.00	\$8,970.00
						\$11,340.00	\$11,340.00
						\$4,060.00	\$4,060.00
						\$23,780.00	\$23,780.00
						\$12,760.00	\$12,760.00

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BUDGET PER ORDINANCE No. 27475
 \$3,915,000.00

Item	Description	ENGINEER'S ESTIMATE				BID TAB LOW BID		COST DISTRIBUTION PER RESPONSIBLE AREA							
		Unit	Total Quantity	Unit Cost	Total Cost	Dickson Construction Inc.		Property Owner	Extra Work Items	Storm Sewer Utility	Sanitary Sewer Utility	Tacoma Water	Tacoma Power	Totals	
R131	Gleditsia Triacanthos f. Inermis Skyline Honey Locust	EA	57	\$481.50	\$27,445.50	\$290.00	\$16,530.00	\$16,530.00							\$16,530.00
R132	Syringa reticulata Japanese Tree Lilac	EA	44	\$481.50	\$21,186.00	\$290.00	\$12,760.00	\$12,760.00							\$12,760.00
R133	Prunus x yedoensis Yoshino Cherry	EA	31	\$481.50	\$14,926.50	\$290.00	\$8,990.00	\$8,990.00							\$8,990.00
R134	Prunus cersifera Thunder Cloud	EA	7	\$481.50	\$3,370.50	\$290.00	\$2,030.00	\$2,030.00							\$2,030.00
R135	Photinia fraseri Photinia	EA	4	\$481.50	\$1,926.00	\$290.00	\$1,160.00	\$1,160.00							\$1,160.00
R136	Bergenia cordifolia 'Pink Dragonfly	EA	385	\$32.10	\$12,358.50	\$9.50	\$3,657.50	\$3,657.50							\$3,657.50
R137	Buxus Sempervirens (Boxwood)	EA	452	\$32.10	\$14,509.20	\$9.50	\$4,294.00	\$4,294.00							\$4,294.00
R138	Carex Flagellifera Bronze Sedge Grass	EA	45	\$18.50	\$832.50	\$9.50	\$427.50	\$427.50							\$427.50
R139	Carex testacea Orange New Zealand Sedge	EA	293	\$18.50	\$5,420.50	\$9.50	\$2,783.50	\$2,783.50							\$2,783.50
R140	Eriophyllum lanatum grandiflora Oregon Sunshine Sedge	EA	685	\$32.10	\$21,988.50	\$9.50	\$6,507.50	\$6,507.50							\$6,507.50
R141	Helianthemum 'Wisely Pink' Sun Rose	EA	60	\$32.10	\$1,926.00	\$9.50	\$570.00	\$570.00							\$570.00
R142	Helicotrochon sempervirens Blue Oat Grass	EA	287	\$18.50	\$5,309.50	\$9.50	\$2,726.50	\$2,726.50							\$2,726.50
R143	Ilex crenata 'Helleri' Heller holly	EA	2,656	\$32.10	\$85,257.60	\$9.50	\$25,232.00	\$25,232.00							\$25,232.00
R144	Lavandula x intermedia 'Fred Boutin' Fred Boutin Lavender	EA	569	\$32.10	\$18,264.90	\$9.50	\$5,405.50	\$5,405.50							\$5,405.50
R145	Muhlenbergia capillaries, Muhly Grass	EA	850	\$21.40	\$18,190.00	\$9.50	\$8,075.00	\$8,075.00							\$8,075.00
R146	Nassella tenuissima, Feather Grass	EA	410	\$18.50	\$7,585.00	\$9.50	\$3,895.00	\$3,895.00							\$3,895.00
R147	Prunus Laurocerasus (Laurel)	EA	225	\$18.50	\$4,162.50	\$9.50	\$2,137.50	\$2,137.50							\$2,137.50
R148	Sod (lawn)	SF	1,768	\$18.50	\$32,708.00	\$0.60	\$1,060.80	\$1,060.80							\$1,060.80
R90	48" Diameter Precast Concrete Planter	EA	57	\$1,200.00	\$68,400.00	\$1,300.00	\$74,100.00	\$74,100.00							\$74,100.00
R91	6' Bench with Intermediate Armrest	EA	7	\$1,250.00	\$8,750.00	\$1,550.00	\$10,850.00	\$10,850.00							\$10,850.00
R92	Liter Container with Flat Top	EA	7	\$850.00	\$5,950.00	\$1,200.00	\$8,400.00	\$8,400.00		\$6,200.00					\$14,600.00
R93	4'x6' Tree grate	EA	134	\$1,200.00	\$160,800.00	\$1,575.00	\$211,050.00	\$211,050.00	\$4,800.00						\$215,850.00
R94	5' Diameter Coho Tree Grate	EA	3	\$1,300.00	\$3,900.00	\$1,575.00	\$4,725.00	\$4,725.00							\$4,725.00
R149	Irrigation Planting Area 1	LS	1	\$2,760.60	\$2,760.60	\$3,120.00	\$3,120.00	\$3,120.00		\$3,120.00					\$6,240.60
R150	Irrigation Planting Area 2	LS	1	\$2,180.00	\$2,180.00	\$3,120.00	\$3,120.00	\$3,120.00		\$3,120.00					\$5,300.00
R151	Irrigation Planting Area 3	LS	1	\$9,227.68	\$9,227.68	\$3,120.00	\$3,120.00	\$3,120.00		\$3,120.00					\$12,347.68
R152	Irrigation Planting Area 4	LS	1	\$3,295.60	\$3,295.60	\$3,120.00	\$3,120.00	\$3,120.00		\$3,120.00					\$6,415.60
R153	Irrigation Planting Area 5	LS	1	\$1,275.00	\$1,275.00	\$3,120.00	\$3,120.00	\$3,120.00		\$3,120.00					\$4,395.00
R154	Irrigation Planting Area 6	LS	1	\$4,036.04	\$4,036.04	\$3,120.00	\$3,120.00	\$3,120.00		\$3,120.00					\$7,256.04
LANDSCAPE				BID TOTAL	\$730,261.12		\$554,210.30	\$524,490.30	\$29,720.00	\$0.00					\$554,210.30

SANITARY SEWER QUANTITIES (ENV-00400)

S1	Mobilization	LS	1	\$150,000.00	\$150,000.00	\$26,950.00	\$26,950.00	\$26,950.00							\$26,950.00
S2	Project Temporary Traffic Control	LS	1	\$85,000.00	\$85,000.00	\$43,460.00	\$43,460.00	\$43,460.00							\$43,460.00
S3	Remove Existing Pavement Type II, Class AC	SY	1,135	\$15.00	\$17,025.00	\$15.40	\$17,479.00	\$17,479.00							\$17,479.00
S4	Remove Manhole	EA	11	\$1,000.00	\$11,000.00	\$625.00	\$6,875.00	\$6,875.00							\$6,875.00
S5	Structure Excavation, Class B	CY	6,208	\$15.00	\$93,120.00	\$9.90	\$61,459.20	\$61,459.20							\$61,459.20
S6	Crushed Surfacing Top Course	TN	320	\$26.00	\$8,320.00	\$51.60	\$16,512.00	\$16,512.00							\$16,512.00
S7	HMA Cl. 1/2" PG 64-22	TN	184	\$135.00	\$24,840.00	\$103.30	\$19,007.20	\$19,007.20							\$19,007.20
S8	Cold Plant Mix for Temporary Pavement Patch	TN	50	\$150.00	\$7,500.00	\$116.10	\$5,805.00	\$5,805.00							\$5,805.00
S9	Cement Conc. Base Pavement, Cl. 3000, 0.5-Ft. Section	SY	394	\$125.00	\$49,250.00	\$71.25	\$28,072.50	\$28,072.50							\$28,072.50
S10	Shoring or Extra Excavation, Class B	CY	57,526	\$0.50	\$28,763.00	\$0.05	\$2,876.30	\$2,876.30							\$2,876.30
S11	Removal and Replacement of Unsuitable Backfill Material	SF	4,946	\$35.00	\$173,110.00	\$39.30	\$194,377.80	\$194,377.80							\$194,377.80
S12	Manhole, 48" Diam, Type 1	CY	20	\$3,800.00	\$76,000.00	\$3,520.00	\$70,400.00	\$70,400.00							\$70,400.00
S13	Manhole, 60" Diam, Type 1	EA	1	\$4,500.00	\$4,500.00	\$4,790.00	\$4,790.00	\$4,790.00							\$4,790.00
S14	Manhole, Additional Height 48" Diam, Type 1	LF	15	\$150.00	\$2,250.00	\$81.40	\$1,221.00	\$1,221.00							\$1,221.00
S15	PVC Sanitary Sewer Pipe, 6" Diam	LF	1,408	\$80.00	\$112,640.00	\$40.00	\$56,320.00	\$56,320.00							\$56,320.00
S16	PVC Sanitary Sewer Pipe, 8" Diam	LF	618	\$85.00	\$52,530.00	\$45.00	\$27,810.00	\$27,810.00							\$27,810.00
S17	PVC Sanitary Sewer Pipe, 10" Diam	LF	3,437	\$105.00	\$360,885.00	\$55.00	\$189,035.00	\$189,035.00							\$189,035.00
S18	PVC Sanitary Sewer Pipe, 12" Diam	LF	500	\$125.00	\$62,500.00	\$70.00	\$35,000.00	\$35,000.00							\$35,000.00
S19	Sewer Cleanout	EA	59	\$800.00	\$47,200.00	\$1,190.00	\$70,210.00	\$70,210.00							\$70,210.00
S20	Connect New Sewer Pipe, 8-In. Diam. to Existing Structure	EA	2	\$2,500.00	\$5,000.00	\$2,540.00	\$5,080.00	\$5,080.00							\$5,080.00
S21	Connect New Sewer Pipe, 12-In. Diam. to Existing Structure	EA	2	\$2,800.00	\$5,600.00	\$3,530.00	\$7,060.00	\$7,060.00							\$7,060.00
S22	Reconnect Existing Sewer Pipe, 8-In. Diam. to New Structure	EA	2	\$2,000.00	\$4,000.00	\$165.00	\$330.00	\$330.00							\$330.00
S23	Reconnect Existing Sewer Pipe, 10-In. Diam. to New Structure	EA	4	\$2,000.00	\$8,000.00	\$190.00	\$760.00	\$760.00							\$760.00
S24	Abandon Existing Manhole	EA	1	\$700.00	\$700.00	\$937.00	\$937.00	\$937.00							\$937.00
S25	Drop Manhole Connection	EA	1	\$1,400.00	\$1,400.00	\$736.00	\$736.00	\$736.00							\$736.00
S26	CDF for Pipe Abandonment	CY	28	\$300.00	\$8,400.00	\$179.00	\$5,012.00	\$5,012.00							\$5,012.00
S27	Adjust Existing Manhole, Furnish New Frame and Cover	EA	3	\$550.00	\$1,650.00	\$765.00	\$2,295.00	\$2,295.00							\$2,295.00
S28	Testing Sewer Pipe	EA	5,751	\$3.50	\$20,128.50	\$2.50	\$14,377.50	\$14,377.50							\$14,377.50
S29	Temporary Sanitary Sewer Bypass Plan	LS	1	\$1,200.00	\$1,200.00	\$750.00	\$750.00	\$750.00							\$750.00
S30	Temporary Sanitary Sewer Bypass	LS	1	\$35,000.00	\$35,000.00	\$13,470.00	\$13,470.00	\$13,470.00							\$13,470.00
S31	Erosion Sediment Control (ESC) Lead	DY	30	\$400.00	\$12,000.00	\$38.30	\$1,149.00	\$1,149.00							\$1,149.00
S32	Erosion/Water Pollution Control	FA	1	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00							\$10,000.00
SANITARY SEWER				SUBTOTAL	\$1,479,511.50		\$929,616.50	\$929,616.50							\$929,616.50

WATER DISTRIBUTION QUANTITIES (MRP-2004-08)

W01	Mobilization (1-09.7)	LS	1	\$28,200.00	\$28,200.00	\$30,765.00	\$30,765.00	\$30,765.00							\$30,765.00
W02	Traffic Control labor. (See Special Provisions) (1-10)	LS	1	\$29,348.00	\$29,348.00	\$43,460.00	\$43,460.00	\$43,460.00							\$43,460.00