



INFORMATIONAL MEMORANDUM

TO: Transportation and Infrastructure Committee
FROM: Bob Giberson, Public Works Director
BY: Ryan Larson, Senior Program Manager
CC: Mayor Ekberg
DATE: June 9, 2017
SUBJECT: 2017 Annual Small Drainage Program
Project No. 91741201
Bid Award

ISSUE

Award a contract to McCann Construction Enterprises, Inc. for construction of the 2017 Annual Small Drainage Program.

BACKGROUND

The Small Drainage Program constructs drainage projects throughout the City that are too large for City staff to complete, but are smaller than a typical capital improvement project. The projects originate from citizen complaints and maintenance staff recommendations and are compiled on the Small Drainage Project List. Each year the projects are prioritized based on need, expense, permitting requirements, and length of time on the list. The highest priority projects are then designed and constructed.

The 2017 Annual Small Drainage Program was advertised to provide drainage improvements at up to four locations. One project includes a water quality treatment device.

- 1) 48th Ave S between S 160nd and S 162th St
2) Strander Blvd Sidewalk (in front of Target)
3) 58th Ave S, 14423 to 14455
4) S 150th St Gilliam Creek Inlet Overflow Structure (Schedule B - Additive Alternate Project)

DISCUSSION

The 2017 Annual Small Drainage Program was advertised for bids on May 18 and May 25, 2017. Two bids were received and opened on June 6, 2017. The bids were checked, tabulated, and no errors were found. McCann Construction is the apparent low bidder with an overall bid of \$508,988.75. The engineer's estimate was \$527,030.00. McCann Construction successfully completed the Duwamish Gardens construction project. Since the overall bid is above available funding, it is recommended that the additive alternate project be eliminated and construction of the first three projects that make up Bid Schedule A be awarded in the amount of \$451,823.75.

BUDGET AND BID SUMMARY (All amounts include sales tax)

Table with 4 columns: Bid Results, Estimate, 2017 Budget. Rows include Bid Amount (Schedule A only), Contingency (10%), Water Quality Retrofit (pg. 83), Excess SDP Design Funds, Excess Gilliam Creek Culvert Funds, and Total.

RECOMMENDATION

Council is being asked to award Schedule A of the construction contract for the 2017 Annual Small Drainage Program to McCann Construction Enterprises in the amount of \$451,823.750 and consider this item on the Consent Agenda at the June 19, 2017 Regular Meeting.

Attachments: CIP Pages 96 & 97
Project Location Map
Bid Tabulation

## CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2017 to 2022

**PROJECT:** Annual Small Drainage Program

Project No. 9XX41201

**DESCRIPTION:** Select, design, and construct small drainage projects throughout the City.

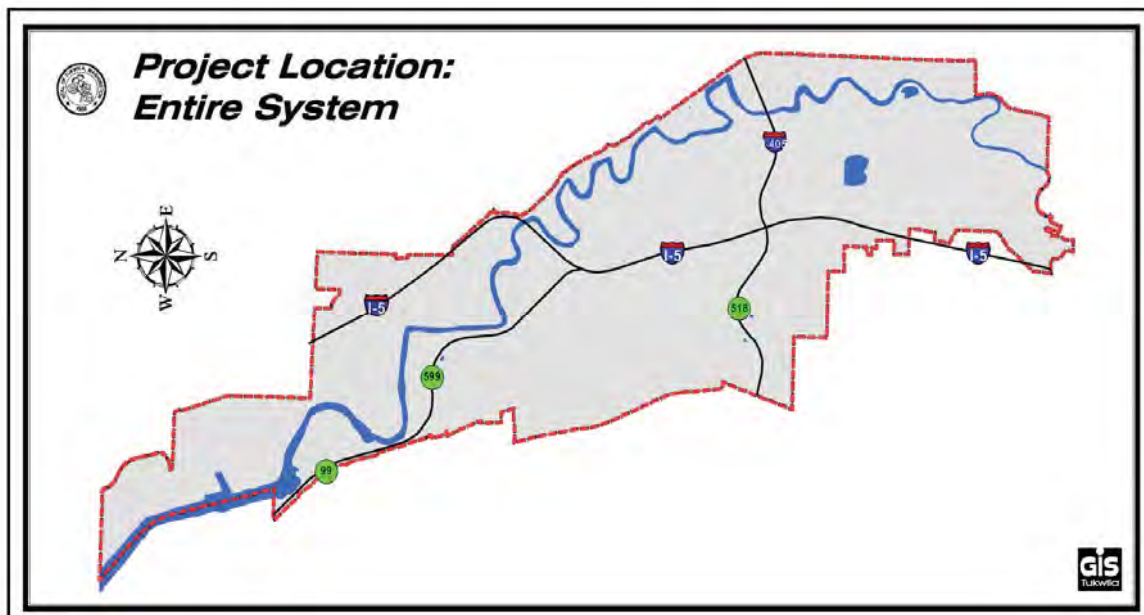
**JUSTIFICATION:** Provide drainage corrections for existing/ongoing drainage problems throughout the City, including culvert replacements, drain extensions, and pavement upgrades.

**STATUS:** Projects for this annual program are taken from Small Drainage Project List.

**MAINT. IMPACT:** Reduces maintenance.

**COMMENT:** Ongoing project, only one year shown in first column. Construction expenses may occur over two calendar years.

FINANCIAL (in \$000's)	Through Estimated		2017	2018	2019	2020	2021	2022	BEYOND	TOTAL
	2015	2016								
EXPENSES										
Design	74	80	80	80	80	80	80	80	80	714
Streamgages/Monitor	10	10	35	35	36	36	36	36	40	274
Const. Mgmt.	62	80	80	80	80	80	80	80	80	702
Construction	255	515	515	515	514	514	514	513	513	4,368
<b>TOTAL EXPENSES</b>	<b>401</b>	<b>685</b>	<b>710</b>	<b>710</b>	<b>710</b>	<b>710</b>	<b>710</b>	<b>709</b>	<b>713</b>	<b>6,058</b>
FUND SOURCES										
Awarded Grant										0
Proposed Grant										0
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	401	685	710	710	710	710	710	709	713	6,058
<b>TOTAL SOURCES</b>	<b>401</b>	<b>685</b>	<b>710</b>	<b>710</b>	<b>710</b>	<b>710</b>	<b>710</b>	<b>709</b>	<b>713</b>	<b>6,058</b>



## CITY OF TUKWILA CAPITAL PROJECT SUMMARY

2017 to 2022

**PROJECT:** Storm Water Quality Retrofit Program

Project No. 91241202

**DESCRIPTION:** Design and install water quality improvements at selected drainage locations throughout the City.

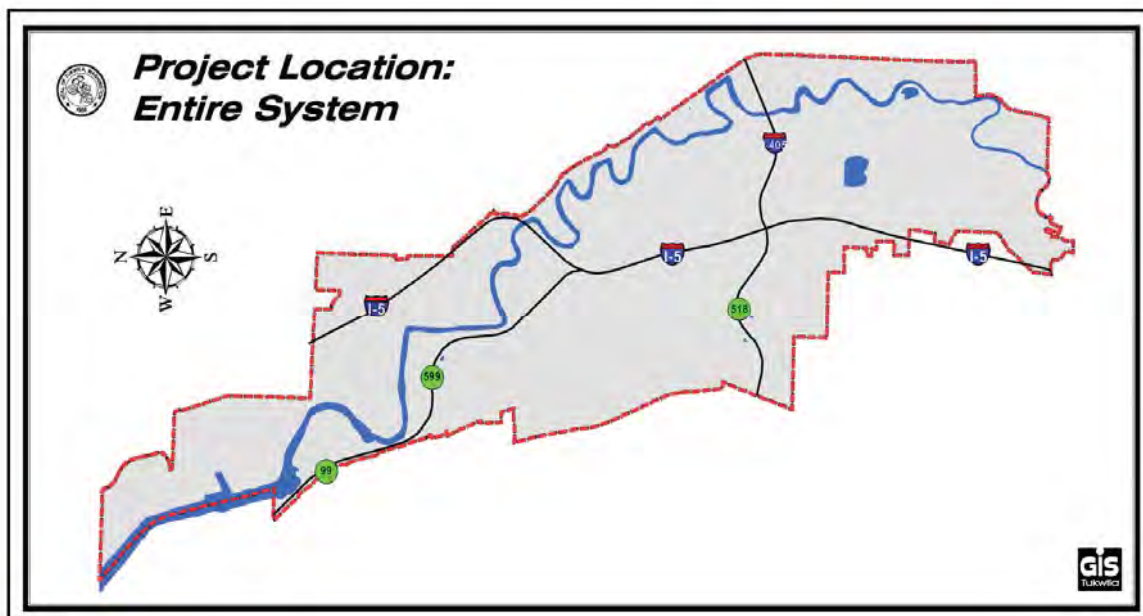
**JUSTIFICATION:** Most surface water is discharged directly to receiving water bodies untreated.

**STATUS:** Additional water quality is being added to Interurban Ave S in 2015 and 53rd Ave S in 2017.

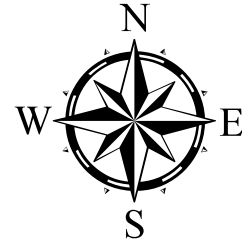
**MAINT. IMPACT:** Expected to increase maintenance.

**COMMENT:** Combine with other CIP projects for design and construction, where feasible.

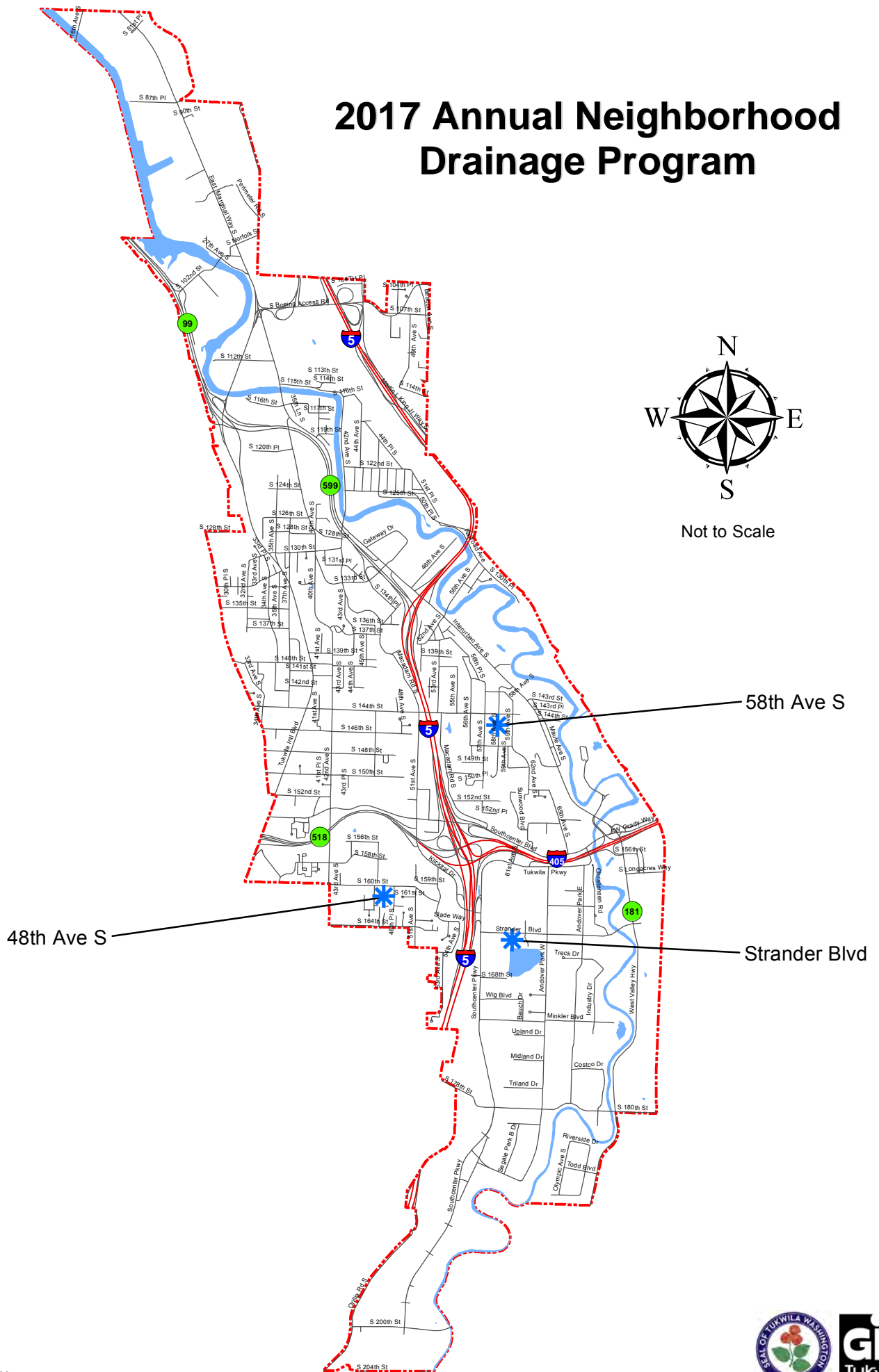
FINANCIAL (in \$000's)	Through 2015	Estimated 2016	2017	2018	2019	2020	2021	2022	BEYOND	TOTAL
<b>EXPENSES</b>										
Design	9	15	15	15	15	15	15	15	15	129
Land (R/W)										0
Const. Mgmt.		15	15	15	15	15	15	15	15	120
Construction		80	80	80	80	80	80	80	80	640
<b>TOTAL EXPENSES</b>	<b>9</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>889</b>
<b>FUND SOURCES</b>										
Awarded Grant										0
Proposed Grant										0
Mitigation Actual										0
Mitigation Expected										0
Utility Revenue	9	110	110	110	110	110	110	110	110	889
<b>TOTAL SOURCES</b>	<b>9</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>889</b>



# 2017 Annual Neighborhood Drainage Program



Not to Scale



06/06/17		Total		Engineer's Estimate		McCann		R.W. Scott Construction	
Section No.	Item	Quantity	Unit	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
<b>ROADWAY (SCHEDULE A)</b>									
1	1-04 Unexpected Site Changes	1	FA	\$8,000.00	\$ 8,000	\$8,000.00	\$ 8,000	\$8,000.00	\$ 8,000
2	1-09 Mobilization	1	LS	\$42,000.00	\$ 42,000	\$45,000.00	\$ 45,000	\$65,000.00	\$ 65,000
3	1-10 Project Temporary Traffic Control	1	LS	\$32,000.00	\$ 32,000	\$21,000.00	\$ 21,000	\$60,000.00	\$ 60,000
4	2-01 Clearing and Grubbing	1	LS	\$18,000.00	\$ 18,000	\$6,500.00	\$ 6,500	\$40,000.00	\$ 40,000
5	2-02 Pavement Removal Incl. Haul	420	SY	\$25.00	\$ 10,500	\$25.00	\$ 10,500	\$24.00	\$ 10,080
6	2-03 Unsuitable Foundation Excavation Incl. Haul	40	CY	\$35.00	\$ 1,400	\$35.00	\$ 1,400	\$100.00	\$ 4,000
7	2-03 Gravel Borrow Incl. Haul	110	TN	\$35.00	\$ 3,850	\$26.00	\$ 2,870	\$46.00	\$ 5,060
8	4-04 Crushed Surfacing Top Course	320	TN	\$45.00	\$ 14,400	\$45.00	\$ 14,400	\$60.00	\$ 19,200
9	5-04 HMA C1 1/2 PG 84-22	180	LF	\$175.00	\$ 31,500	\$95.00	\$ 17,100	\$225.00	\$ 40,500
10	5-04 HMA Thickened Edge	50	LF	\$10.00	\$ 500	\$5.00	\$ 250	\$10.00	\$ 500
11	8-01 Temporary Water Pollution / Erosion Control	1	LS	\$10,000.00	\$ 10,000	\$3,500.00	\$ 3,500	\$4,000.00	\$ 4,000
12	8-04 Cement Conc. Traffic Curb and Gutter	20	LF	\$60.00	\$ 1,200	\$65.00	\$ 1,300	\$110.00	\$ 2,200
13	8-14 Cement Conc. Sidewalk	200	SY	\$75.00	\$ 15,000	\$105.00	\$ 21,000	\$84.00	\$ 16,800
<b>ROADSIDE DEVELOPMENT (SCHEDULE A)</b>									
14	8-02 Topsoil Type A	70	CY	\$50.00	\$ 3,500	\$60.00	\$ 4,200	\$180.00	\$ 12,600
15	8-02 Hydroseed	540	SY	\$4.00	\$ 2,160	\$5.00	\$ 2,700	\$5.00	\$ 2,700
16	8-02 Property Restoration	1	FA	\$10,000.00	\$ 10,000	\$10,000.00	\$ 10,000	\$10,000.00	\$ 10,000
<b>STORM DRAINAGE (SCHEDULE A)</b>									
17	7-04 Storm Sewer Pipe 12 In. Diam	546	LF	\$75.00	\$ 40,950	\$85.00	\$ 46,410	\$100.00	\$ 54,600
18	7-04 Storm Sewer Pipe 8 In. Diam	312	LF	\$70.00	\$ 21,840	\$60.00	\$ 18,720	\$85.00	\$ 26,520
19	7-04 Storm Sewer Pipe 6 In. Diam	68	LF	\$50.00	\$ 3,400	\$60.00	\$ 4,080	\$100.00	\$ 6,800
20	7-04 Storm Sewer Pipe 4 In. Diam	148	LF	\$120.00	\$ 17,760	\$130.00	\$ 19,240	\$90.00	\$ 13,320
21	7-04 Ductile Iron Storm Sewer Pipe 12 In. Diam.	148	LF	\$120.00	\$ 17,760	\$130.00	\$ 19,240	\$120.00	\$ 17,760
22	7-04 Ductile Iron Storm Sewer Pipe 8 In. Diam.	155	LF	\$100.00	\$ 15,500	\$85.00	\$ 13,175	\$110.00	\$ 17,050
23	7-04 Remove/Abandon Existing Storm Sewer Pipe	365	LF	\$20.00	\$ 7,300	\$15.00	\$ 5,475	\$100.00	\$ 36,500
24	7-04 Remove/Abandon Existing Storm Sewer Structure	6	EA	\$1,000.00	\$ 6,000	\$750.00	\$ 4,500	\$800.00	\$ 4,800
25	7-05 Connection to Drainage Structure	3	EA	\$500.00	\$ 1,500	\$1,200.00	\$ 3,600	\$750.00	\$ 2,250
26	7-05 Storm Cleanout	2	EA	\$500.00	\$ 1,000	\$950.00	\$ 1,900	\$500.00	\$ 1,000
27	7-05 Concrete Inlet	8	EA	\$1,500.00	\$ 12,000	\$1,450.00	\$ 11,600	\$1,500.00	\$ 12,000
28	7-05 Catch Basin Type 1	11	EA	\$2,000.00	\$ 22,000	\$1,650.00	\$ 18,150	\$1,750.00	\$ 19,250
29	7-05 Catch Basin Type 1L	5	EA	\$2,250.00	\$ 11,250	\$1,700.00	\$ 8,500	\$1,900.00	\$ 9,500
30	7-05 Catch Basin Type 2 48 In. Diam.	1	EA	\$3,500.00	\$ 3,500	\$4,500.00	\$ 4,500	\$4,500.00	\$ 4,500
31	7-05 French Drain	1	LS	\$4,000.00	\$ 4,000	\$5,000.00	\$ 5,000	\$6,000.00	\$ 6,000
32	7-06 Porchhole Existing Utilities	11	EA	\$600.00	\$ 6,600	\$750.00	\$ 8,250	\$600.00	\$ 6,600
33	7-10 4' X 15' Modular Wetland Unit	1	EA	\$60,000.00	\$ 60,000	\$65,000.00	\$ 65,000	\$65,000.00	\$ 65,000
34	7-10 4' X 15' Modular Wetland Unit	1	EA	\$60,000.00	\$ 60,000	\$65,000.00	\$ 65,000	\$65,000.00	\$ 65,000
35	8-30 Resolution of Utility Conflicts	1	FA	\$8,000.00	\$ 8,000	\$8,000.00	\$ 8,000	\$8,000.00	\$ 8,000
<b>TRAFFIC CONTROL DEVICES (SCHEDULE A)</b>									
36	8-22 Plastic Stop Line	15	LF	\$25.00	\$ 375	\$28.25	\$ 424	\$40.00	\$ 600
37	8-22 Plastic Crosswalk Line	70	SF	\$8.00	\$ 560	\$13.50	\$ 945	\$20.00	\$ 1,400
				\$	<b>464,555</b>	\$	<b>451,823.75</b>	\$	<b>618,180</b>

CITY OF TUKWILA - DEPARTMENT OF PUBLIC WORKS  
 2017 Small Drainage Program  
**BID TABS**

05/13/17		Total		Engineer's Estimate		McCann		R.W. Scott Construction		
No.	Section No.	Item	Quantity	Unit	Qty	Total Cost				
<b>ROADWAY (SCHEDULE B)</b>										
38	1-04	Unexpected Site Changes	1	FA	\$2,000.00	\$	2,000	\$2,000.00	\$	2,000
39	1-09	Mobilization	1	LS	\$10,000.00	\$	10,000	\$5,000.00	\$	5,000
40	1-10	Project Temporary Traffic Control	1	LS	\$10,000.00	\$	10,000	\$6,500.00	\$	6,500
41	2-01	Clearing and Grubbing	1	LS	\$6,000.00	\$	6,000	\$3,500.00	\$	3,500
42	2-02	Remove and Replace Handrail	1	LS	\$4,000.00	\$	4,000	\$3,000.00	\$	3,000
43	2-02	Pavement Removal Incl. Haul	30	SY	\$25.00	\$	750	\$25.00	\$	750
44	2-03	Unsuitable Foundation Excavation Incl. Haul	5	CY	\$35.00	\$	175	\$35.00	\$	175
45	2-03	Gravel Borrow Incl. Haul	5	TN	\$35.00	\$	175	\$25.00	\$	125
46	4-04	Crushed Surfacing Top Course	5	TN	\$45.00	\$	225	\$45.00	\$	225
47	5-04	HMA CI 1/2" PG 64-22	10	TN	\$175.00	\$	1,750	\$185.00	\$	1,850
48	8-01	Temporary Water Pollution / Erosion Control	1	LS	\$4,000.00	\$	4,000	\$650.00	\$	650
49	8-04	Cement Conc. Traffic Curb and Gutter	20	LF	\$60.00	\$	1,200	\$65.00	\$	1,300
50	8-14	Cement Conc. Sidewalk	20	SY	\$75.00	\$	1,500	\$105.00	\$	2,100
<b>ROADSIDE DEVELOPMENT (SCHEDULE B)</b>										
51	8-02	Property Restoration	1	FA	\$2,000.00	\$	2,000	\$2,000.00	\$	2,000
<b>STORM DRAINAGE (SCHEDULE B)</b>										
52	7-04	Class III Reinforced Concrete Sewer Pipe 36 In. Diam	6	LF	\$450.00	\$	2,700	\$665.00	\$	3,990
53	7-05	Connection to Drainage Pipe	1	EA	\$500.00	\$	500	\$2,500.00	\$	2,500
54	7-05	Debris Barrier	1	EA	\$500.00	\$	500	\$1,800.00	\$	1,800
55	7-05	Catch Basin Type 2 60 In. Diam. W/Overflow Cage	1	EA	\$7,000.00	\$	7,000	\$12,500.00	\$	12,500
56	7-20	Temporary Water Bypass System	1	LS	\$5,000.00	\$	5,000	\$2,500.00	\$	2,500
57	8-15	Light Loose Riprap	20	CY	\$150.00	\$	3,000	\$235.00	\$	4,700
					\$	\$	62,475	\$	\$	57,165
					\$	\$	527,030.00	\$	\$	508,988.75
					\$	\$	697,130.00	\$	\$	697,130.00