

BID TABULATION FOR MACNAB DRIVE WATER AND PAVING PROJECT

Project Name: MacNab Drive Water main and Pavement Replacement

Bid Opening Date: 5/10/19

Prepared by: Juan C. Guerra, City Engineer

WATER MAIN REPLACEMENT

Line No.	Item No.	Item Description	Unit	Quantity
1	1070001	STORMWATER POLLUTION PREVENTION PLAN	LS	1
2	2020001	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1
3	5100280	POTHOLING	EA	3
4	5100603	SEWER BYPASS AND FLOW MANAGEMENT PLAN (STA 69+94)(SHEET W12)	LS	1
5	5100604	SEWER BYPASS AND FLOW MANAGEMENT PLAN (STA 10+27) (WESTERN AVE)	LS	1
6	5100620	SEWER MAIN REPLACEMENT , DIP, 8"	LF	33
7	5101106	PIPE, DUCTILE IRON (DI), 6" (CLASS 350), INCLUDES SAW CUTTING, REMOVAL AND DISPOSAL OF EXISTING PAVEMENT	LF	116
8	5101408	PIPE, POLYVINYL CHLORIDE (PVC), 8" DR 14 (CLASS 305) (HARD DIGGING SOIL EXCAVATION) (30% OF TOTAL LENGTH), INCLUDES SAW CUTTING, REMOVAL AND DISPOSAL OF EXISTING PAVEMENT	LF	561
9	5101409	PIPE, POLYVINYL CHLORIDE (PVC), 8" DR 14 (CLASS 305) (TYPE "B" SOIL EXCAVATION) (70% OF TOTAL LENGTH), INCLUDES SAW CUTTING, REMOVAL AND DISPOSAL OF EXISTING PAVEMENT	LF	1,310
11	5101704	PIPE, HDPE SDR9 CTS, PE4710, ASTM D2737, AWWA C-901, (250 PSI) (POTABLE WATER), 1" W/ FITTINGS, INCLUDES SAW CUTTING, REMOVAL AND DISPOSAL OF EXISTING PAVEMENT	LF	207
12	5101708	PIPE, HDPE SDR9 CTS, PE4710, ASTM D2737, AWWA C-901, (250 PSI) (POTABLE WATER), 2" W/ FITTINGS, INCLUDES SAW CUTTING, REMOVAL AND DISPOSAL OF EXISTING PAVEMENT	LF	36
13	5102206	GATE VALVE 6", BOX & COVER	EA	3
14	5102208	GATE VALVE 8", BOX & COVER	EA	5
15	5102408	GATE VALVE, CUT IN, 8", BOX & COVER	EA	1
17	5103205	FIRE HYDRANT, INCLUDES SIDEWALK REPLACEMENT IN KIND	EA	3
18	5103210	FIRE HYDRANT POST BARRICADE	EA	3
19	5105110	REMOVE AND DISPOSE CEMENT ASBESTOS (CA) WATER PIPE, 10" AND SMALLER	LF	24
20	5106008	CONNECTIONS, 8"	EA	4
21	5108134	SERVICE LINE RENEWAL (R), 1"	EA	8
22	5108138	SERVICE LINE RENEWAL (R), 2"	EA	1
23	5108302	POTABLE WATER, NEW METER BOX, #2, INCLUDES CONCRETE SIDEWALK REPLACEMENT IN KIND TO LEVEL THE WATER METER BOX	EA	8
24	5108303	POTABLE WATER, NEW METER BOX, #3, INCLUDES CONCRETE SIDEWALK REPLACEMENT IN KIND TO LEVEL THE WATER METER BOX	EA	1
25	7010001	MAINTENANCE AND PROTECTION OF TRAFFIC (For both Water and Paving Projects)	LS	1
26	9010001	MOBILIZATION AND DEMOBILIZATION (For both Water and Paving Projects)	LS	1
27	9250001	CONSTRUCTION SURVEYING, LAYOUT AND AS-BUILT PLANS	LS	1
28	5100010.3.01	HARD ROCK EXCAVATION (SEE HARD ROCK SPECIAL PROVISION IN SECTION B). CONTRACTOR REQUIRES APPROVAL FROM CITY ENGINEER AND PUBLIC WORKS DIRECTOR.	CY	1

SUB TOTAL FOR ITEMS 1 - 28:

INNOVA	
Unit Cost	Amount
\$ 15,000.00	\$ 15,000.00
\$ 5,000.00	\$ 5,000.00
\$ 400.00	\$ 1,200.00
\$ 3,000.00	\$ 3,000.00
\$ 4,000.00	\$ 4,000.00
\$ 250.00	\$ 8,250.00
\$ 100.00	\$ 11,600.00
\$ 90.00	\$ 50,490.00
\$ 50.00	\$ 65,500.00
\$ 30.00	\$ 6,210.00
\$ 35.00	\$ 1,260.00
\$ 1,400.00	\$ 4,200.00
\$ 2,000.00	\$ 10,000.00
\$ 1,800.00	\$ 1,800.00
\$ 3,600.00	\$ 10,800.00
\$ 450.00	\$ 1,350.00
\$ 15.00	\$ 360.00
\$ 2,500.00	\$ 10,000.00
\$ 1,200.00	\$ 9,600.00
\$ 2,500.00	\$ 2,500.00
\$ 300.00	\$ 2,400.00
\$ 550.00	\$ 550.00
\$ 12,000.00	\$ 12,000.00
\$ 32,000.00	\$ 32,000.00
\$ 18,000.00	\$ 18,000.00
\$ 20.00	\$ 20.00

\$ 287,090.00

KE&G	
Unit Cost	Amount
\$ 5,550.00	\$ 5,550.00
\$ 6,650.00	\$ 6,650.00
\$ 780.00	\$ 2,340.00
\$ 2,450.00	\$ 2,450.00
\$ 2,450.00	\$ 2,450.00
\$ 155.00	\$ 5,115.00
\$ 96.50	\$ 11,194.00
\$ 185.00	\$ 103,785.00
\$ 58.50	\$ 76,635.00
\$ 49.50	\$ 10,246.50
\$ 70.00	\$ 2,520.00
\$ 1,150.00	\$ 3,450.00
\$ 1,600.00	\$ 8,000.00
\$ 2,500.00	\$ 2,500.00
\$ 7,050.00	\$ 21,150.00
\$ 440.00	\$ 1,320.00
\$ 35.00	\$ 840.00
\$ 965.00	\$ 3,860.00
\$ 425.00	\$ 3,400.00
\$ 1,200.00	\$ 1,200.00
\$ 850.00	\$ 6,800.00
\$ 990.00	\$ 990.00
\$ 70,200.00	\$ 70,200.00
\$ 160,500.00	\$ 160,500.00
\$ 14,400.00	\$ 14,400.00
\$ 1,000.00	\$ 1,000.00

\$ 528,545.50

GRANITE	
Unit Cost	Amount
\$ 25,500.00	\$ 25,500.00
\$ 7,000.00	\$ 7,000.00
\$ 600.00	\$ 1,800.00
\$ 19,800.00	\$ 19,800.00
\$ 19,600.00	\$ 19,600.00
\$ 336.00	\$ 11,088.00
\$ 80.00	\$ 9,280.00
\$ 92.00	\$ 51,612.00
\$ 92.00	\$ 120,520.00
\$ 14.00	\$ 2,898.00
\$ 44.00	\$ 1,584.00
\$ 2,280.00	\$ 6,840.00
\$ 2,890.00	\$ 14,450.00
\$ 5,408.00	\$ 5,408.00
\$ 6,886.00	\$ 20,658.00
\$ 460.00	\$ 1,380.00
\$ 58.00	\$ 1,392.00
\$ 5,692.00	\$ 22,768.00
\$ 3,084.00	\$ 24,672.00
\$ 5,162.00	\$ 5,162.00
\$ 1,025.00	\$ 8,200.00
\$ 1,025.00	\$ 1,025.00
\$ 73,266.00	\$ 73,266.00
\$ 220,676.00	\$ 220,676.00
\$ 13,222.00	\$ 13,222.00
\$ 200.00	\$ 200.00

\$ 690,001.00

PAVEMENT REPLACEMENT

Line No.	Item No.	Item Description	Unit	Quantity
29	1	3" AC PAVEMENT REPLACEMENT PER PAG 2 MIX (70-10); SEE ATTACHED A PREVIOUSLY USED MIX DESIGN.	TON	2,952
30	2	THICKENED EDGE PER MAG STD. DETAIL 201, TYPE B	LF	4,850
31	3	4" AGGREGATE BASE 95% COMPACTED, PER MAG STD. SPECIFICATIONS SECTION 702	TON	4,021
32	4	VERTICAL CURB AND GUTTER PER MAG STD. DETAIL 220-1, TYPE A	LF	400
33	5	ROADWAY GRADING PER MAG STD. SPECIFICATIONS SECTION 301	SY	18,094
34	6	ROADWAY EXCAVATION (ASSUMED 4") PER MAG STD. SPECIFICATIONS SECTION 205	CY	2,010
35	7	MILL EXISTING PAVEMENT (ASSUMED 2") AND DELIVER IT TO THE CITY OF NOGALES	CY	1,005
36	8	WATER VALVES ADJUSTMENTS PER TUCSON WATER STD. DETAIL SD-300	EA	8
37	9	MANHOLE COVER ADJUSTMENTS PER PC RWRD STD. 211	EA	4
38	10	ROAD STRIPING PER STD. DETAIL SHOWN ON STRIPING PLAN (4"-4"-4" YDS with RPM @ 40')	LS	1
39	11	MATERIAL TESTING (GRADATION AND COMPACTION TEST FOR ABC PER MAG SPECIFICATIONS AND COMPACTION FOR ASPHALT PER PAG SPECIFICATIONS)	LS	1

SUB TOTAL FOR ITEMS 29 - 39:

Unit Cost	Amount
\$ 115.00	\$ 339,480.00
\$ 4.00	\$ 19,400.00
\$ 18.00	\$ 72,378.00
\$ 28.00	\$ 11,200.00
\$ 4.00	\$ 72,376.00
\$ 16.00	\$ 32,160.00
\$ 20.00	\$ 20,100.00
\$ 350.00	\$ 2,800.00
\$ 350.00	\$ 1,400.00
\$ 22,000.00	\$ 22,000.00
\$ 10,000.00	\$ 10,000.00

\$ 603,294.00

Unit Cost	Amount
\$ 110.00	\$ 324,720.00
\$ 6.35	\$ 30,797.50
\$ 35.00	\$ 140,735.00
\$ 37.50	\$ 15,000.00
\$ 2.25	\$ 40,711.50
\$ 14.50	\$ 29,145.00
\$ 35.00	\$ 35,175.00
\$ 255.00	\$ 2,040.00
\$ 1,500.00	\$ 6,000.00
\$ 15,300.00	\$ 15,300.00
\$ 9,350.00	\$ 9,350.00

\$ 648,974.00

Unit Cost	Amount
\$ 125.00	\$ 369,000.00
\$ 1.00	\$ 4,850.00
\$ 40.00	\$ 160,840.00
\$ 60.00	\$ 24,000.00
\$ 3.50	\$ 63,329.00
\$ 23.00	\$ 46,230.00
\$ 38.00	\$ 38,190.00
\$ 1,245.00	\$ 9,960.00
\$ 1,245.00	\$ 4,980.00
\$ 9,700.00	\$ 9,700.00
\$ 14,000.00	\$ 14,000.00

\$ 745,079.00

ALTERNATIVES

Line No.	Item No.	Item Description	Unit	Quantity
40	12	CONCRETE SPILLWAY PER MAG STD. DETAIL 550 (6 SPILWAYS 10.3 SY EACH)	SY	62
41	13	PROTECTIVE GUARAIL PER ADOT STD. DETAILS WITH END TERMINALS PER ADOT STDS. C.10.00, C.10.01, C.10.08 (THIS ITEM INCLUDES REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL)	LF	530

SUB TOTAL FOR ITEMS 40 - 41:

Unit Cost	Amount
\$ 120.00	\$ 7,440.00
\$ 65.00	\$ 34,450.00

\$ 41,890.00

Unit Cost	Amount
\$ 160.00	\$ 9,920.00
\$ 89.50	\$ 47,435.00

\$ 57,355.00

Unit Cost	Amount
\$ 408.00	\$ 25,296.00
\$ 59.00	\$ 31,270.00

\$ 56,566.00

ALLOWANCE FOR UNFORESEEN CONDITIONS

Line No.	Item No.	Item Description	Unit	Quantity
42	14	ALLOWANCE FOR UNFORESEEN CONDITIONS (ITEMS TO BE APPROVED BY CITY ENGINEER AND PUBLIC WORKS DIRECTOR)	FA	1

SUB TOTAL FOR ITEM 42:

Unit Cost	Amount
\$ 50,000.00	\$ 50,000.00
\$	\$ 50,000.00

\$ 50,000.00

Unit Cost	Amount
\$ 50,000.00	\$ 50,000.00
\$	\$ 50,000.00

\$ 50,000.00

Unit Cost	Amount
\$ 50,000.00	\$ 50,000.00
\$	\$ 50,000.00

\$ 50,000.00

TOTAL PROJECT COST:

\$ 982,374.00

\$ 1,284,874.50

\$ 1,541,646.50

NOTES:

- 1.- A COMPUTATION ERROR OF \$24,220 WAS FOUND IN INNOVA'S BID IN THE SUM OF ITEMS 1-28.
- 2.- QUANTITY FOR ITEM No. 12 WAS ROUNDED FROM 61.8 TO 62 SQUARE YARDS (SY) BY GRANITE AND KE&G. 62 SY WAS ALSO USED FOR INNOVA'S COMPUTATION.
- 3.- THIS BID SCHEDULE WAS PROVIDED TO ALL CONTRACTORS MISSING ITEM 10.