### **CAPITAL IMPROVEMENT PLANS**

**FOR** 

**ENGINEERING AND FINANCIAL UPDATE** 

OF THE

## WATER AND WASTEWATER IMPACT FEES

2017 - 2027



PREPARED BY:

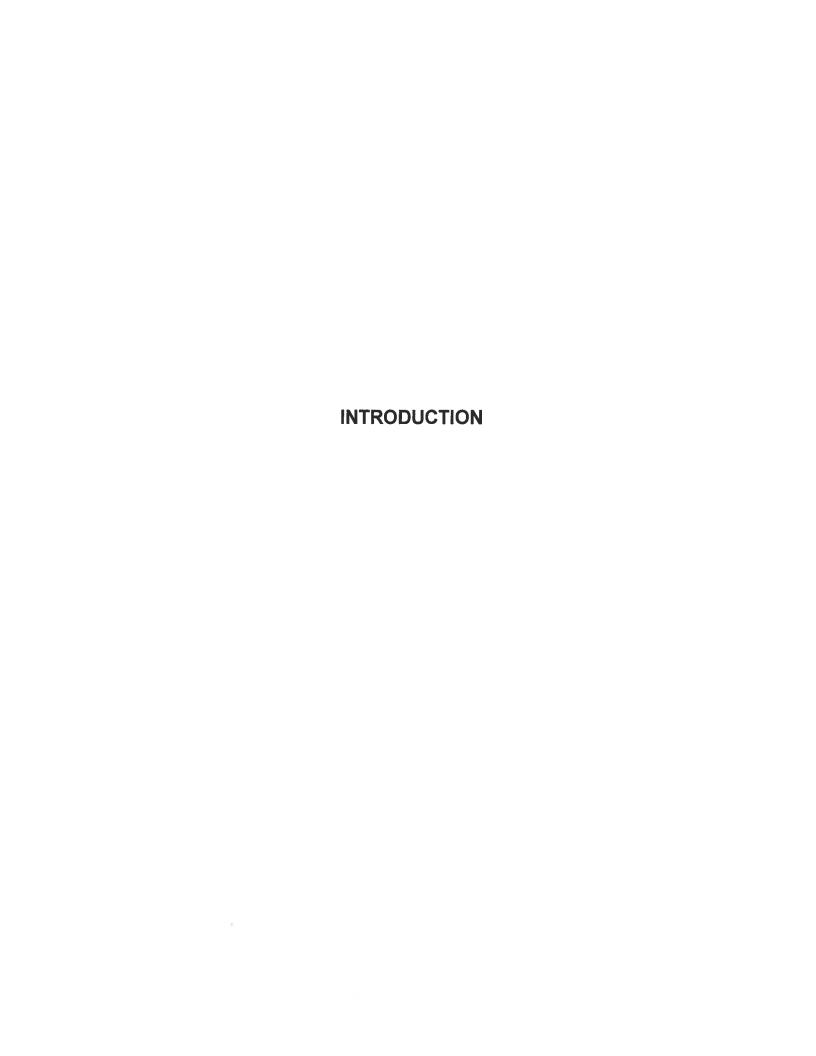


5237 N Riverside Drive, Suite 100 Fort Worth, Texas 76137 Phone: (817) 336-5773 www.tnpinc.com TBPE Reg. No. F-230; TBPLS: 10011600, 10011601, 10194381

TNP Project No. CRO 17127

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#### INTRODUCTION

In 1993, the City of Crowley passed an Ordinance adopting Capital Recovery Fees for Water and Wastewater Improvements associated with and dictated by new development within the service limits of the City. Ordinance No. 93-520 established a fee of \$649.00 for each new water connection and \$201.00 for each new wastewater connection. Those fees were based on a Water and Wastewater Capital Improvements Plan for Impact Fees, prepared by this firm in 1992, for the 10-year period of 1992-2002.

The report was presented to City Council in October 1992 and included sections identifying 1) Land Use Assumptions, Sept. 1991, J.T. Dunkin and Associates, Inc., 2) Capital Improvements Plan for Water System Impact Fees, 3) Capital Improvements Plan for Wastewater Impact Fees, and 4) Financial Analysis of Water and Wastewater Impact Fees.

The adopted fees became effective in January 1994 and have been assessed to new residential and commercial customers. In addition, the City of Fort Worth assesses a 'pass-through' impact fee, which is collected by Crowley and paid to Fort Worth. The current Fort Worth Impact Fee is \$1,365 (Water) and \$810 (Wastewater).

The land use assumptions, capital improvement plans, and impact fees were updated in 2005 and established a fee of \$971 for each new water connection and \$577 for each new wastewater connection based on the Capital Improvements Plans for 2005-2015.

One of the mandates for establishing impact fees is that the City review and update its fee determination periodically. At five year intervals an engineering study is to be performed to examine the extent of change between the assumptions and parameters used for the previous C.I.P. and those in effect at the same time of the update. The new assumptions and parameters are then used to update the C.I.P. for another 10-year period, resulting in a revised fee assessment.

- 1. The Impact Fee Service Zone has been modified to encompass the current City limits of Crowley. The modified service areas are shown in the updated exhibit maps.
- 2. The estimated current population of Crowley is 14,885 according to 'esri' Forecasts. Using population estimates for Crowley through 2030 yields a growth factor of 2.53%. We have modified these projections to assume the ultimate population projected for 2030 will be reached by 2027. This yields a population growth factor of 3.50%.
- 3. The above revisions in population estimates have produced resultant changes in water consumption, estimates of 2027 equivalent service units, and estimates of 2027 pumping and storage requirements. These changes are contained in Table A-2 and A-3.
- 4. Project descriptions and total costs of 2017-2027 CIP projects reflect the status of the existing distribution and collection systems and the anticipated direction of new development. Unit costs have been updated to reflect current construction and multipliers, or percentage estimates of costs, have been included on certain improvements, which benefit existing customers as well as new customers.

## CAPITAL IMPROVEMENTS PLAN FOR WATER IMPACT FEES

### CITY OF CROWLEY

### SUMMARY OF 2017-2027 WATER CAPITAL IMPROVEMENT CONSTRUCTION COSTS

Line No	Improvement	New Construction Cost	Development Construction Cost
1	Replacement Mains	\$1,355,283	\$ 356,840
2	New Distribution Mains	\$ 6,805,151	\$6,498,668
3	East & West Pumps & North Elevated Tank	<u>\$ 2,194,081</u>	<u>\$ 432,579</u>
	Total Water Improvements To Year 2027	\$10,354,516	\$7,288,087

#### TABLE A-2 SUMMARY OF WATERWORKS CRITERIA

#### I. <u>POPULATION:</u>

A. 2017 Population: 14,885

B. 2027 Population: 21,000 (Estimated)
C. Ultimate Population: 21,000 (Estimated)

D. Projected Rate-of-Growth: 3.50%

#### II. WATER DEMAND: For New Development

		<u>2017 &amp; 2027</u>	<u>Ultimate</u>
A.	Design Average Daily Demand (ADD):	160 gpcd	160 gpcd
B.	Design Maximum Daily Demand (MDD):	2.4 x ADD	2.4 x ADD
C.	Design Peak Hour Demand:	1.25 x MDD	1.25 x MDD

#### III. ZONING AND DENSITIES:

A. Residential: 3.2 Units/Ac. X 3.0 Pers./Unit = 9.6 Pers./Ac.
B. Multi-Family Res.: 25 Units/Ac. X 2.0 Pers./Unit = 50 Pers./Ac.
C. Commercial/Retail/Public: 15 Pers./Ac.
D. Industrial: 15 Pers./Ac.
E. Park: 3 Pers./Ac.

IV. <u>FIRE FLOWS:</u> Based on minimum requirements of the Uniform Fire Code. Specific fire flows depend upon type of construction and area of structure.

		Flow (gpm)	<u>Duration (hr)</u>
A.	Residential with less than 3,600 SF:	1,500	1
B.	All other:	1,500-8,000	2-4

#### V. TOTAL WATER CONSUMPTION:

Calculated from above criteria:

		<u>2017</u>	<u>2027</u>	<u>Ultimate</u>
A.	Average Daily Demand (gpd):	1,875,000	2,646,000	2,646,000
B.	Maximum Daily Demand (gpd):	4,500,000	6,350,400	6,350,400
C.	Peak Hour Demand (gpd):	5,625,000	7,938,000	7,938,000

2047

2027

#### VI. SERVICE CONNECTIONS AND EQUIVALENT SERVICE UNITS:

		2017	2027	Ultimate
A.	Meters:	(Exist.)	<u>(Est.)</u>	<u>(Est.)</u>
	1. 5/8" Meter	5,521	7,785	7,785
	2. 1" Meter	97	137	137
	3. 1 ½" Meter	29	41	41
	4. 2" Meter	69	97	97
	5. 3" Meter	12	17	17
	6. 4" Meter	1	1	1
	7. 6" Meter	0	1	1
	Total Service Units:	5,729	8,079	8,079

### **TABLE A-2 (Continued)**

### B. AWWA Meter Equivalencies

Meter Size	<b>AWWA Equivalency</b>
5/8"	0.67
3/4"	1.00
1"	1.67
1 ½"	3.33
2"	5.33
3"	11.67
4"	21.00
6"	46.67
8"	80.00
10"	126.67

C.	Equivalent Service Units:	2017 (Exist)	2027 (Est.)	Ultimate (Est.)
	1. 5/8" Meter	3,700.00	5,216.00	5,216.00
	2. 1" Meter	162.00	229.00	229.00
	3. 1 ½" Meter	97.00	137.00	137.00
	4. 2" Meter	368.00	517.00	517.00
	5. 3" Meter	140.00	198.00	198.00
	6. 4" Meter	21.00	21.00	21.00
	7. 6" Meter	0	47.00	47.00
	Total Service Units:	4.488.00	6.365.00	6.365.00

### TABLE A-3 DISTRIBUTION STORAGE AND PUMPING

#### I. SUMMARY OF EXISTING STORAGE AND PUMPING:

A. Elevated Storage: 1,000,000 gal.

B. Ground Storage: (E. & W. F/W Supply) 1,300,000 gal.

(Well Supply) 441,500 gal.

Total Ground Storage: 1,741,500 gal.

C. Service Pumping: aggregate total 7,600 gpm

firm yield (i.e. largest pump down) 3,860 gpm

D. Wells: aggregate total 670 gpm

firm yield (i.e. largest well down) 570 gpm

#### II. REQUIRED STORAGE AND PUMPING:

		<u>2017</u>	<u>2027</u>	<u>Ultimate</u>
A.	Elevated Storage (gal.):	572,900	807,900	807,900
B.	Total Storage (gal.):	1,145,800	1,615,800	1,615,800
C.	Service Pumping (gpm):	3,906	5,513	5,513

<sup>\*</sup>When required elevated storage reaches 80% of available elevated storage, additional elevated storage will be required. Therefore, the ultimate elevated storage requirement will be 1,010,000 gallons.

#### III. PROPOSED FACILITIES:

- A. 2017 2027 System Capital Improvements (for Impact Fees):
  - (1) West Side Pump Station
    - i. Addition of 1-1,000 gpm Pump
  - (2) 0.5MG North Side Elevated Storage Tank-
  - (3) East Side (Fort Worth) Pump Station
    - i. Addition of 1-1,400 gpm Pump
  - (4) Distribution Mains Replacement
    - i. Various mains to replace existing mains as indicated in Exhibit and as required for development. [Only a percentage (multiplier) of construction costs applied to Impact Fees.]
  - (5) Distribution Mains New
    - i. Various mains as indicated in Exhibit and required by development.
- B. Ultimate System Capital Improvements:
  - (1) East Side (Fort Worth) Pump Station & Addition of 1,400gpm Pump.
  - (2) Distribution Mains-New
    - Various mains as indicated in Exhibit and required by development.

### **TABLE A-3 (Continued)**

### IV. <u>DEFICIT/SURPLUS CAPACITY COMPARISONS:</u>

A. 2017 System (Existing)	Existing	Proposed	Required	(+)Surplus (-) Deficit
Elev. Storage: (gal)	1,000,000		572,900	+ 427,100
Total Storage: (gal)	2,741,500	duy data data data	1,145,800	+1,595,700
Service Pumping (gpm):	3,860	1,000(W)	3,906	+ 954
Well Capacity (gpm):	570		N/A	N/A
B. <u>2027 System:</u>				
Elev. Storage: (gal)	1,000,000	500,000	733,300	+ 766,700
Total Storage: (gal)	2,741,500	500,000	1,466,600	+1,774,900
Service Pumping (gpm):	4,860	1,600(E)	5,016	+ 1,444
Well Capacity (gpm):	570	Ó	N/A	N/A
C. Ultimate System:				
Elev. Storage: (gal)	1,500,000	0	1,010,000	+ 490,000
Total Storage: (gal)	3,241,500	0	1,615,800	+1,625,700
Service Pumping (gpm):	6,460	1,600	5,513	+ 2,547
Well Capacity (gpm):	570	0	N/A	N/A

**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

DECEMBER 2017

## CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

**Project: WATER IMPROVEMENTS** 

Description: EAST SIDE PUMP STATION - 1,400 gpm Pump Addition

		,			
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
1	SITE PREPARATION & RESTORATION	1	LS	\$8,000.00	\$8,000.00
2	YARD PIPING, FITTINGS, VALVES & APPURTENANCES	_ 1	LS	\$17,000.00	\$17,000.00
3	PUMP STATION-100hp 1,400gpm PUMP	1	EA	\$65,000.00	\$65,000.00
4	ELECTRICAL SERVICE & MOTOR CONTROLS	1	LS	\$35,000.00	\$35,000.00
5	CONTROLS, INSTRUMENTATION AND SCADA	1	LS	\$20,000.00	\$20,000.00
6	MISCELLANEOUS UTILITY ALLOWANCE	1	LS	\$8,000.00	\$8,000.00
SUBTOTAL				\$153,000.00	
CONTINGENCY (20%)				\$30,600.00	
SUBTOTAL				\$183,600.00	
	ENGINEERING/SURVEY				\$31,212.00
TOTAL PROJECTED CONSTRUCTION COST				\$214,812.00	
	PROJECTED COST ATTRIBUTABLE TO DEVEL	OPMENT	(100%)		\$214,812.00
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**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

**DECEMBER 2017** 

## CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

Project: <u>WATER IMPROVEMENTS</u>

Description: 12" LINE 'A' (Main Street)

	DECODIDATION	IOLIA NITITA	LINUT	TOOOT	ANACHINIT
ITEM	DESCRIPTION	QUANTITY		UNIT COST	AMOUNT
	PARKWAY PREPARATION	1	LS	\$8,000.00	\$8,000.00
	12" PVC, CLASS 150, WATER LINE	1,200	LF	\$60.00	\$72,000.00
3	8" PVC, CLASS 150, WATER LINE	50	LF	\$45.00	\$2,250.00
4	6" PVC, CLASS 150, WATER LINE	120	LF	\$38.00	\$4,560.00
5	DUCTILE IRON FITTINGS	3	TONS	\$6,000.00	\$16,800.00
6	12" GATE VALVE	3	EA	\$2,000.00	\$6,000.00
7	8" GATE VALVE	5	EA	\$1,500.00	\$7,500.00
8	6" GATE VALVE	2	EA	\$1,300.00	\$2,600.00
9	FIRE HYDRANT	2	EA	\$4,000.00	\$8,000.00
10	3/4" SERVICE LINE (BORED FROM MAIN TO METER)	7	EA	\$1,300.00	\$9,100.00
11	CONNECT TO EXIST SYSTEM	7	EA	\$1,200.00	\$8,400.00
12	TEMPORARY HMAC PAVEMENT REPAIR	1,440	LF	\$10.00	\$14,400.00
13	CONCRETE DWY / PVMT REPAIR	20	SF	\$7.25	\$145.00
14	ABANDON EXISTING WATER LINE	1	LS	\$1,000.00	\$1,000.00
15	TRENCH SAFETY	1,370	LF	\$1.00	\$1,370.00
13	MISCELLANEOUS RESTORATION				
	AND ADJUSTMENTS	1	LS	\$5,000.00	\$5,000.00
		SUBTOTAL			\$167,125.00
	CONTINGEN	ICY (15%)			\$25,068.75
SUBTOTAL				\$192,193.75	
ENGINEERING/SURVEY				\$28,829.06	
	TOTAL PROJECTED CONSTRUCTION COST				\$221,022.81
	PROJECTED COST ATTRIBUTABLE TO DEVE	LOPMENT	(33%)		\$72,937.53

**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

**DECEMBER 2017** 

## CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

Project: <u>WATER IMPROVEMENTS</u>

Description: 12" LINE 'B' (Water Lane)

ITCA	DECODIFICAL	OLIANITITY (			****
ITEM	DESCRIPTION	QUANTITY		UNIT COST	AMOUNT
1	PARKWAY PREPARATION	1	LS	\$8,000.00	\$8,000.00
2	12" PVC, CLASS 150, WATER LINE	1,510	LF	\$60.00	\$90,600.00
3	8" PVC, CLASS 150, WATER LINE	40	LF	\$45.00	\$1,800.00
4	6" PVC, CLASS 150, WATER LINE	40	LF	\$38.00	\$1,520.00
5	DUCTILE IRON FITTINGS	1	TONS	\$6,000.00	\$6,600.00
6	12" GATE VALVE	4	EA	\$2,000.00	\$8,000.00
7	8" GATE VALVE	4	EA	\$1,500.00	\$6,000.00
8	6" GATE VALVE	4	EA	\$1,300.00	\$5,200.00
9	FIRE HYDRANT	4	EA	\$4,000.00	\$16,000.00
10	3/4" SERVICE LINE (BORED FROM MAIN TO METER)	16	EA	\$1,300.00	\$20,800.00
11	CONNECT TO EXIST SYSTEM	5	EA	\$1,200.00	\$6,000.00
12	TEMPORARY HMAC PAVEMENT REPAIR	100	LF	\$10.00	\$1,000.00
13	CONCRETE DWY / PVMT REPAIR	1,424	SF	\$7.25	\$10,324.00
14	ABANDON EXISTING WATER LINE	1	LS	\$1,000.00	\$1,000.00
15	TRENCH SAFETY	1,590	LF	\$1.00	\$1,590.00
16	MISCELLANEOUS RESTORATION				
	AND ADJUSTMENTS	1	LS	\$5,000.00	\$5,000.00
	S	UBTOTAL			\$189,434.00
	CONTINGEN	ICY (15%)			\$28,415.10
	S	UBTOTAL			\$217,849.10
ENGINEERING/SURVEY					\$32,677.37
TOTAL PROJECTED CONSTRUCTION COST					\$250,526.47
			-		
PROJECTED COST ATTRIBUTABLE TO DEVELOPMENT (33%)					\$82,673.73

**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

DECEMBER 2017

## CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

Project: <u>WATER IMPROVEMENTS</u>
Description: 12" LINE 'C' (Beverly)

12" PVC, CLASS 150, WATER LINE						
12" PVC, CLASS 150, WATER LINE	ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
3 8" PVC, CLASS 150, WATER LINE 120 LF \$45.00 \$5,400.00 4 6" PVC, CLASS 150, WATER LINE 30 LF \$38.00 \$1,140.00 5 DUCTILE IRON FITTINGS 1.2 TONS \$6,000.00 \$7,200.00 6 12" GATE VALVE 4 EA \$2,000.00 \$8,000.00 7 8" GATE VALVE 4 EA \$1,500.00 \$6,000.00 8 6" GATE VALVE 3 EA \$1,300.00 \$3,900.00 9 FIRE HYDRANT 3 EA \$4,000.00 \$12,000.00 10 3/4" SERVICE LINE (BORED FROM MAIN TO METER) 19 EA \$1,300.00 \$24,700.00 11 TEMPORARY HMAC PAVEMENT REPAIR 150 LF \$10.00 \$1,500.00 12 CONCRETE DWY / PVMT REPAIR 500 SF \$7.25 \$3,625.00 13 ABANDON EXISTING WATER LINE 1 LS \$1,000.00 \$1,000.00 14 TRENCH SAFETY 2,080 LF \$1.00 \$2,080.00 15 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$5,000.00 \$5,000.00 16 SUBTOTAL ENGINEERING/SURVEY \$33,732.51  CONTINGENCY (15%) \$33,071.75 SUBTOTAL \$238,216.75	1	PARKWAY PREPARATION	1	LS	\$8,000.00	\$8,000.00
4 6" PVC, CLASS 150, WATER LINE 30 LF \$38.00 \$1,140.00 5 DUCTILE IRON FITTINGS 1.2 TONS \$6,000.00 \$7,200.00 6 12" GATE VALVE 4 EA \$2,000.00 \$8,000.00 7 8" GATE VALVE 4 EA \$1,500.00 \$6,000.00 8 6" GATE VALVE 3 EA \$1,300.00 \$3,900.00 9 FIRE HYDRANT 3 EA \$4,000.00 \$12,000.00 10 3/4" SERVICE LINE (BORED FROM MAIN TO METER) 19 EA \$1,300.00 \$24,700.00 11 TEMPORARY HMAC PAVEMENT REPAIR 150 LF \$10.00 \$1,500.00 12 CONCRETE DWY / PVMT REPAIR 500 SF \$7.25 \$3,625.00 13 ABANDON EXISTING WATER LINE 1 LS \$1,000.00 \$1,000.00 14 TRENCH SAFETY 2,080 LF \$1.00 \$2,080.00 15 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$5,000.00 \$5,000.00 16 SUBTOTAL ENGINEERING/SURVEY \$33,732.51  CONTINGENCY (15%) \$33,071.75 \$238,216.75 \$238,216.75 \$35,732.51	2	12" PVC, CLASS 150, WATER LINE	1,960	LF	\$60.00	\$117,600.00
5         DUCTILE IRON FITTINGS         1.2         TONS         \$6,000.00         \$7,200.00           6         12" GATE VALVE         4         EA         \$2,000.00         \$8,000.00           7         8" GATE VALVE         4         EA         \$1,500.00         \$6,000.00           8         6" GATE VALVE         3         EA         \$1,300.00         \$3,900.00           9         FIRE HYDRANT         3         EA         \$4,000.00         \$12,000.00           10         3/4" SERVICE LINE (BORED FROM MAIN TO METER)         19         EA         \$1,300.00         \$24,700.00           11         TEMPORARY HMAC PAVEMENT REPAIR         150         LF         \$10.00         \$1,500.00           12         CONCRETE DWY / PVMT REPAIR         500         SF         \$7.25         \$3,625.00           13         ABANDON EXISTING WATER LINE         1         LS         \$1,000.00         \$1,000.00           14         TRENCH SAFETY         2,080         LF         \$1.00         \$2,080.00           15         MISCELLANEOUS RESTORATION         1         LS         \$5,000.00         \$207,145.00           80         SUBTOTAL         \$238,216.75         \$238,216.75         \$238,216.75         \$	3	8" PVC, CLASS 150, WATER LINE	120	LF	\$45.00	\$5,400.00
6 12" GATE VALVE 4 EA \$2,000.00 \$8,000.00 7 8" GATE VALVE 4 EA \$1,500.00 \$6,000.00 8 6" GATE VALVE 3 EA \$1,300.00 \$3,900.00 9 FIRE HYDRANT 3 EA \$1,300.00 \$12,000.00 10 3/4" SERVICE LINE (BORED FROM MAIN TO METER) 19 EA \$1,300.00 \$24,700.00 11 TEMPORARY HMAC PAVEMENT REPAIR 150 LF \$10.00 \$1,500.00 12 CONCRETE DWY / PVMT REPAIR 500 SF \$7.25 \$3,625.00 13 ABANDON EXISTING WATER LINE 1 LS \$1,000.00 \$1,000.00 14 TRENCH SAFETY 2,080 LF \$1.00 \$2,080.00 15 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$5,000.00 \$5,000.00 SUBTOTAL \$207,145.00  CONTINGENCY (15%) SUBTOTAL ENGINEERING/SURVEY \$335,732.51  TOTAL PROJECTED CONSTRUCTION COST \$273,949.26	4	6" PVC, CLASS 150, WATER LINE	30	LF	\$38.00	\$1,140.00
7       8" GATE VALVE       4       EA       \$1,500.00       \$6,000.00         8       6" GATE VALVE       3       EA       \$1,300.00       \$3,900.00         9       FIRE HYDRANT       3       EA       \$4,000.00       \$12,000.00         10       3/4" SERVICE LINE (BORED FROM MAIN TO METER)       19       EA       \$1,300.00       \$24,700.00         11       TEMPORARY HMAC PAVEMENT REPAIR       150       LF       \$10.00       \$1,500.00         12       CONCRETE DWY / PVMT REPAIR       500       SF       \$7.25       \$3,625.00         13       ABANDON EXISTING WATER LINE       1       LS       \$1,000.00       \$1,000.00         14       TRENCH SAFETY       2,080       LF       \$1.00       \$2,080.00         15       MISCELLANEOUS RESTORATION       SUBTOTAL       \$207,145.00         8       SUBTOTAL       \$207,145.00         8       \$238,216.75         ENGINEERING/SURVEY       \$35,732.51         TOTAL PROJECTED CONSTRUCTION COST       \$273,949.26	5	DUCTILE IRON FITTINGS	1.2	TONS	\$6,000.00	\$7,200.00
8 6" GATE VALVE 3 EA \$1,300.00 \$3,900.00 9 FIRE HYDRANT 3 EA \$4,000.00 \$12,000.00 10 3/4" SERVICE LINE (BORED FROM MAIN TO METER) 19 EA \$1,300.00 \$24,700.00 11 TEMPORARY HMAC PAVEMENT REPAIR 150 LF \$10.00 \$1,500.00 12 CONCRETE DWY / PVMT REPAIR 500 SF \$7.25 \$3,625.00 13 ABANDON EXISTING WATER LINE 1 LS \$1,000.00 \$1,000.00 14 TRENCH SAFETY 2,080 LF \$1.00 \$2,080.00 15 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$5,000.00 \$5,000.00  CONTINGENCY (15%) \$31,071.75 SUBTOTAL \$238,216.75 ENGINEERING/SURVEY \$35,732.51  TOTAL PROJECTED CONSTRUCTION COST \$273,949.26	6	12" GATE VALVE	4	EA	\$2,000.00	\$8,000.00
9 FIRE HYDRANT 3 EA \$4,000.00 \$12,000.00 10 3/4" SERVICE LINE (BORED FROM MAIN TO METER) 19 EA \$1,300.00 \$24,700.00 11 TEMPORARY HMAC PAVEMENT REPAIR 150 LF \$10.00 \$1,500.00 12 CONCRETE DWY / PVMT REPAIR 500 SF \$7.25 \$3,625.00 13 ABANDON EXISTING WATER LINE 1 LS \$1,000.00 \$1,000.00 14 TRENCH SAFETY 2,080 LF \$1.00 \$2,080.00 15 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$5,000.00 \$5,000.00  SUBTOTAL \$207,145.00  CONTINGENCY (15%) \$31,071.75 SUBTOTAL \$238,216.75 ENGINEERING/SURVEY \$35,732.51	7	8" GATE VALVE	4	EA	\$1,500.00	\$6,000.00
10 3/4" SERVICE LINE (BORED FROM MAIN TO METER) 19 EA \$1,300.00 \$24,700.00 \$1,500.00 \$1,000.00 \$	8	6" GATE VALVE	3	EA	\$1,300.00	\$3,900.00
11         TEMPORARY HMAC PAVEMENT REPAIR         150         LF         \$10.00         \$1,500.00           12         CONCRETE DWY / PVMT REPAIR         500         SF         \$7.25         \$3,625.00           13         ABANDON EXISTING WATER LINE         1         LS         \$1,000.00         \$1,000.00           14         TRENCH SAFETY         2,080         LF         \$1.00         \$2,080.00           15         MISCELLANEOUS RESTORATION         1         LS         \$5,000.00         \$5,000.00           AND ADJUSTMENTS         1         LS         \$5,000.00         \$5,000.00           SUBTOTAL         \$207,145.00           CONTINGENCY (15%)         \$331,071.75           SUBTOTAL         \$238,216.75           ENGINEERING/SURVEY         \$35,732.51           TOTAL PROJECTED CONSTRUCTION COST         \$273,949.26	9	FIRE HYDRANT	3	EA	\$4,000.00	\$12,000.00
12       CONCRETE DWY / PVMT REPAIR       500       SF       \$7.25       \$3,625.00         13       ABANDON EXISTING WATER LINE       1       LS       \$1,000.00       \$1,000.00         14       TRENCH SAFETY       2,080       LF       \$1.00       \$2,080.00         15       MISCELLANEOUS RESTORATION       1       LS       \$5,000.00       \$5,000.00         AND ADJUSTMENTS       1       LS       \$5,000.00       \$207,145.00         CONTINGENCY (15%)       \$31,071.75         SUBTOTAL       \$238,216.75         ENGINEERING/SURVEY       \$35,732.51         TOTAL PROJECTED CONSTRUCTION COST       \$273,949.26	10	3/4" SERVICE LINE (BORED FROM MAIN TO METER)	19	EA	\$1,300.00	\$24,700.00
13 ABANDON EXISTING WATER LINE 1 LS \$1,000.00	11	TEMPORARY HMAC PAVEMENT REPAIR	150	LF	\$10.00	\$1,500.00
14       TRENCH SAFETY       2,080       LF       \$1.00       \$2,080.00         15       MISCELLANEOUS RESTORATION       I       LS       \$5,000.00       \$5,000.00         SUBTOTAL       \$207,145.00         CONTINGENCY (15%)       \$31,071.75         SUBTOTAL       \$238,216.75         ENGINEERING/SURVEY       \$35,732.51         TOTAL PROJECTED CONSTRUCTION COST       \$273,949.26	12	CONCRETE DWY / PVMT REPAIR	500	SF	\$7.25	\$3,625.00
15 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$5,000.00 \$5,000.00 \$207,145	13	ABANDON EXISTING WATER LINE	1	LS	\$1,000.00	\$1,000.00
AND ADJUSTMENTS 1 LS \$5,000.00 \$5,000.00 \$207,145.00 \$	14	TRENCH SAFETY	2,080	LF	\$1.00	\$2,080.00
SUBTOTAL   \$207,145.00	15	MISCELLANEOUS RESTORATION				
CONTINGENCY (15%) SUBTOTAL SUBTOTAL ENGINEERING/SURVEY TOTAL PROJECTED CONSTRUCTION COST S233,216.75 \$31,071.75 \$238,216.75 \$35,732.51		AND ADJUSTMENTS	1	LS	\$5,000.00	\$5,000.00
SUBTOTAL         \$238,216.75           ENGINEERING/SURVEY         \$35,732.51           TOTAL PROJECTED CONSTRUCTION COST         \$273,949.26			SUBTOTAL			\$207,145.00
SUBTOTAL         \$238,216.75           ENGINEERING/SURVEY         \$35,732.51           TOTAL PROJECTED CONSTRUCTION COST         \$273,949.26						
ENGINEERING/SURVEY TOTAL PROJECTED CONSTRUCTION COST \$35,732.51 \$273,949.26		CONTINGEN	NCY (15%)			\$31,071.75
TOTAL PROJECTED CONSTRUCTION COST \$273,949.26			\$238,216.75			
			\$35,732.51			
PROJECTED COST ATTRIBUTABLE TO DEVELOPMENT (0%) \$0.00	TOTAL PROJECTED CONSTRUCTION COST					\$273,949.26
PROJECTED COST ATTRIBUTABLE TO DEVELOPMENT (0%) \$0.00						
	PROJECTED COST ATTRIBUTABLE TO DEVELOPMENT (0%)					

**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

**DECEMBER 2017** 

## CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

Project : <u>WATER IMPROVEMENTS</u>

Description: 12" LINE 'D' (Industrial)

2       12" PVC, CLASS 150, WATER LINE       2,770       LF       \$60.00       \$166,200.0         3       8" PVC, CLASS 150, WATER LINE       40       LF       \$45.00       \$1,800.0         4       6" PVC, CLASS 150, WATER LINE       50       LF       \$38.00       \$1,900.0         5       DUCTILE IRON FITTINGS       1.5       TONS       \$6,000.00       \$9,000.0         6       12" GATE VALVE       5       EA       \$2,000.00       \$10,000.0         7       8" GATE VALVE       3       EA       \$1,500.00       \$4,500.0         8       6" GATE VALVE       5       EA       \$1,300.00       \$6,500.0         9       FIRE HYDRANT       5       EA       \$4,000.00       \$20,000.0         10       3/4" SERVICE LINE (BORED FROM MAIN TO METER)       18       EA       \$1,300.00       \$23,400.0         11       TEMPORARY HMAC PAVEMENT REPAIR       500       LF       \$10.00       \$5,000.0         12       CONCRETE DWY / PVMT REPAIR       200       SF       \$7.25       \$1,450.0         13       TRENCH SAFETY       2,860       LF       \$1.00       \$2,860.0         4       MISCELLANEOUS RESTORATION       \$39,841.5       \$30,451.5						
2 12" PVC, CLASS 150, WATER LINE 2,770 LF \$60.00 \$166,200.0 3 8" PVC, CLASS 150, WATER LINE 40 LF \$45.00 \$1,800.0 4 6" PVC, CLASS 150, WATER LINE 50 LF \$38.00 \$1,900.0 5 DUCTILE IRON FITTINGS 1.5 TONS \$6,000.00 \$9,000.0 6 12" GATE VALVE 5 EA \$2,000.00 \$10,000.0 7 8" GATE VALVE 3 EA \$1,500.00 \$4,500.0 8 6" GATE VALVE 5 EA \$1,300.00 \$6,500.0 9 FIRE HYDRANT 5 EA \$4,000.00 \$20,000.0 10 3/4" SERVICE LINE (BORED FROM MAIN TO METER) 18 EA \$1,300.00 \$23,400.0 11 TEMPORARY HMAC PAVEMENT REPAIR 500 LF \$10.00 \$5,000.0 12 CONCRETE DWY / PVMT REPAIR 200 SF \$7.25 \$1,450.0 13 TRENCH SAFETY 2,860 LF \$1.00 \$2,860.0 14 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$5,000.00 \$5,000.0  CONTINGENCY (15%) \$339,841.50 \$1.00 \$305,451.50 \$1.00 \$1.000	ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
3 8" PVC, CLASS 150, WATER LINE	1	PARKWAY PREPARATION	1	LS	\$8,000.00	\$8,000.00
4 6" PVC, CLASS 150, WATER LINE 50 LF \$38.00 \$1,900.0 5 DUCTILE IRON FITTINGS 1.5 TONS \$6,000.00 \$9,000.0 6 12" GATE VALVE 5 EA \$2,000.00 \$10,000.0 7 8" GATE VALVE 3 EA \$1,500.00 \$4,500.0 8 6" GATE VALVE 5 EA \$1,300.00 \$6,500.0 9 FIRE HYDRANT 5 EA \$4,000.00 \$20,000.0 10 3/4" SERVICE LINE (BORED FROM MAIN TO METER) 18 EA \$1,300.00 \$23,400.0 11 TEMPORARY HMAC PAVEMENT REPAIR 500 LF \$10.00 \$5,000.0 12 CONCRETE DWY / PVMT REPAIR 200 SF \$7.25 \$1,450.0 13 TRENCH SAFETY 2,860 LF \$1.00 \$2,860.0 14 MISCELLANEOUS RESTORATION 2,860 LF \$1.00 \$2,860.0 15 SUBTOTAL \$265,610.0 \$20,000.	2	12" PVC, CLASS 150, WATER LINE	2,770	LF	\$60.00	\$166,200.00
5         DUCTILE IRON FITTINGS         1.5         TONS         \$6,000.00         \$9,000.00           6         12" GATE VALVE         5         EA         \$2,000.00         \$10,000.0           7         8" GATE VALVE         3         EA         \$1,500.00         \$4,500.0           8         6" GATE VALVE         5         EA         \$1,300.00         \$6,500.0           9         FIRE HYDRANT         5         EA         \$4,000.00         \$20,000.0           10         3/4" SERVICE LINE (BORED FROM MAIN TO METER)         18         EA         \$1,300.00         \$23,400.0           11         TEMPORARY HMAC PAVEMENT REPAIR         500         LF         \$10.00         \$5,000.0           12         CONCRETE DWY / PVMT REPAIR         200         SF         \$7.25         \$1,450.0           13         TRENCH SAFETY         2,860         LF         \$1.00         \$2,860.0           14         MISCELLANEOUS RESTORATION         SUBTOTAL         \$265,610.0           AND ADJUSTMENTS         1         LS         \$5,000.00         \$39,841.5           SUBTOTAL         \$39,841.5         \$305,451.5         \$45,817.7         \$45,817.7           CONTINGENCY (15%)         \$351,269.2 <td>3</td> <td>8" PVC, CLASS 150, WATER LINE</td> <td>40</td> <td>LF</td> <td>\$45.00</td> <td>\$1,800.00</td>	3	8" PVC, CLASS 150, WATER LINE	40	LF	\$45.00	\$1,800.00
6 12" GATE VALVE 5 EA \$2,000.00 \$10,000.0 7 8" GATE VALVE 3 EA \$1,500.00 \$4,500.0 8 6" GATE VALVE 5 EA \$1,300.00 \$6,500.0 9 FIRE HYDRANT 5 EA \$4,000.00 \$20,000.0 10 3/4" SERVICE LINE (BORED FROM MAIN TO METER) 18 EA \$1,300.00 \$23,400.0 11 TEMPORARY HMAC PAVEMENT REPAIR 500 LF \$10.00 \$5,000.0 12 CONCRETE DWY / PVMT REPAIR 200 SF \$7.25 \$1,450.0 13 TRENCH SAFETY 2,860 LF \$1.00 \$2,860.0 14 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$5,000.00 \$5,000.0  CONTINGENCY (15%) \$39,841.50 \$1.00 \$2,865,610.0  CONTINGENCY (15%) \$39,841.50 \$1.00 \$2,860.0  ENGINEERING/SURVEY \$45,817.75  TOTAL PROJECTED CONSTRUCTION COST \$351,269.25	4	6" PVC, CLASS 150, WATER LINE	50	LF	\$38.00	\$1,900.00
7       8" GATE VALVE       3       EA       \$1,500.00       \$4,500.0         8       6" GATE VALVE       5       EA       \$1,300.00       \$6,500.0         9       FIRE HYDRANT       5       EA       \$4,000.00       \$20,000.0         10       3/4" SERVICE LINE (BORED FROM MAIN TO METER)       18       EA       \$1,300.00       \$23,400.0         11       TEMPORARY HMAC PAVEMENT REPAIR       500       LF       \$10.00       \$5,000.0         12       CONCRETE DWY / PVMT REPAIR       200       SF       \$7.25       \$1,450.0         13       TRENCH SAFETY       2,860       LF       \$1.00       \$2,860.0         14       MISCELLANEOUS RESTORATION       1       LS       \$5,000.00       \$5,000.0         AND ADJUSTMENTS       1       LS       \$5,000.00       \$39,841.5         CONTINGENCY (15%)       \$39,841.5         SUBTOTAL       \$305,451.5         ENGINEERING/SURVEY       \$45,817.7         TOTAL PROJECTED CONSTRUCTION COST       \$351,269.2	5	DUCTILE IRON FITTINGS	1.5	TONS	\$6,000.00	\$9,000.00
8 6" GATE VALVE 5 EA \$1,300.00 \$6,500.0 9 FIRE HYDRANT 5 EA \$4,000.00 \$20,000.0 10 3/4" SERVICE LINE (BORED FROM MAIN TO METER) 18 EA \$1,300.00 \$23,400.0 11 TEMPORARY HMAC PAVEMENT REPAIR 500 LF \$10.00 \$5,000.0 12 CONCRETE DWY / PVMT REPAIR 200 SF \$7.25 \$1,450.0 13 TRENCH SAFETY 2,860 LF \$1.00 \$2,860.0 14 MISCELLANEOUS RESTORATION 1 LS \$5,000.00 \$5,000.0 SUBTOTAL \$265,610.0  CONTINGENCY (15%) \$39,841.50 SUBTOTAL \$305,451.51 ENGINEERING/SURVEY \$45,817.75	6	12" GATE VALVE	5	EA	\$2,000.00	\$10,000.00
9 FIRE HYDRANT 5 EA \$4,000.00 \$20,000.0 10 3/4" SERVICE LINE (BORED FROM MAIN TO METER) 18 EA \$1,300.00 \$23,400.0 11 TEMPORARY HMAC PAVEMENT REPAIR 500 LF \$10.00 \$5,000.0 12 CONCRETE DWY / PVMT REPAIR 200 SF \$7.25 \$1,450.0 13 TRENCH SAFETY 2,860 LF \$1.00 \$2,860.0 14 MISCELLANEOUS RESTORATION	7	8" GATE VALVE	3	EA	\$1,500.00	\$4,500.00
10 3/4" SERVICE LINE (BORED FROM MAIN TO METER) 18 EA \$1,300.00 \$23,400.0 11 TEMPORARY HMAC PAVEMENT REPAIR 500 LF \$10.00 \$5,000.0 12 CONCRETE DWY / PVMT REPAIR 200 SF \$7.25 \$1,450.0 13 TRENCH SAFETY 2,860 LF \$1.00 \$2,860.0 14 MISCELLANEOUS RESTORATION 1 LS \$5,000.00 \$5,000.0  SUBTOTAL \$265,610.00  CONTINGENCY (15%) \$39,841.56 SUBTOTAL \$305,451.56 ENGINEERING/SURVEY \$45,817.73	8	6" GATE VALVE	5	EA	\$1,300.00	\$6,500.00
10 3/4" SERVICE LINE (BORED FROM MAIN TO METER) 18 EA \$1,300.00 \$23,400.0 11 TEMPORARY HMAC PAVEMENT REPAIR 500 LF \$10.00 \$5,000.0 12 CONCRETE DWY / PVMT REPAIR 200 SF \$7.25 \$1,450.0 13 TRENCH SAFETY 2,860 LF \$1.00 \$2,860.0 14 MISCELLANEOUS RESTORATION 1 LS \$5,000.00 \$5,000.0  AND ADJUSTMENTS 1 LS \$5,000.00 \$5,000.0  SUBTOTAL \$265,610.00  CONTINGENCY (15%) \$39,841.50  SUBTOTAL \$305,451.50  ENGINEERING/SURVEY \$45,817.75  TOTAL PROJECTED CONSTRUCTION COST \$351,269.25	9	FIRE HYDRANT	5	EA	\$4,000.00	\$20,000.00
TEMPORARY HMAC PAVEMENT REPAIR   500	10	3/4" SERVICE LINE (BORED FROM MAIN TO METER)	18	EA	\$1,300.00	\$23,400.00
13   TRENCH SAFETY   2,860   LF   \$1.00   \$2,860.0     14   MISCELLANEOUS RESTORATION	11	TEMPORARY HMAC PAVEMENT REPAIR	500	LF	\$10.00	\$5,000.00
14       MISCELLANEOUS RESTORATION       1       LS       \$5,000.00       \$5,000.00         SUBTOTAL       \$265,610.00         CONTINGENCY (15%)       \$39,841.50         SUBTOTAL       \$305,451.50         ENGINEERING/SURVEY       \$45,817.73         TOTAL PROJECTED CONSTRUCTION COST       \$351,269.23	12	CONCRETE DWY / PVMT REPAIR	200	SF	\$7.25	\$1,450.00
AND ADJUSTMENTS  SUBTOTAL  CONTINGENCY (15%) SUBTOTAL SUB	13	TRENCH SAFETY	2,860	LF	\$1.00	\$2,860.00
SUBTOTAL   \$265,610.0	14	MISCELLANEOUS RESTORATION				
CONTINGENCY (15%) \$39,841.50  SUBTOTAL \$305,451.50  ENGINEERING/SURVEY \$45,817.73  TOTAL PROJECTED CONSTRUCTION COST \$351,269.23		AND ADJUSTMENTS	1	LS	\$5,000.00	\$5,000.00
SUBTOTAL         \$305,451.50           ENGINEERING/SURVEY         \$45,817.73           TOTAL PROJECTED CONSTRUCTION COST         \$351,269.23			SUBTOTAL			\$265,610.00
SUBTOTAL         \$305,451.50           ENGINEERING/SURVEY         \$45,817.73           TOTAL PROJECTED CONSTRUCTION COST         \$351,269.23						
SUBTOTAL         \$305,451.56           ENGINEERING/SURVEY         \$45,817.73           TOTAL PROJECTED CONSTRUCTION COST         \$351,269.23		CONTINGEN	NCY (15%)			\$39,841.50
ENGINEERING/SURVEY \$45,817.73 TOTAL PROJECTED CONSTRUCTION COST \$351,269.23		S	UBTOTAL			\$305,451.50
TOTAL PROJECTED CONSTRUCTION COST \$351,269.2	ENGINEERING/SURVEY					
PROJECTED COST ATTRIBUTABLE TO DEVELOPMENT (100%) \$351,269.23		TOTAL PROJECTED CONSTRUCT	ON COST			\$351,269.23
PROJECTED COST ATTRIBUTABLE TO DEVELOPMENT (100%) \$351,269.23						
		PROJECTED COST ATTRIBUTABLE TO DEVE	LOPMENT	(100%)		\$351,269.23

**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

**DECEMBER 2017** 

## CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

Project : <u>WATER IMPROVEMENTS</u>

Description: 12" LINE 'E' (Industrial)

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
1	PARKWAY PREPARATION	1	LS	\$8,000.00	\$8,000.00
2	12" PVC, CLASS 150, WATER LINE	2,790	LF	\$60.00	\$167,400.00
3	8" PVC, CLASS 150, WATER LINE	100	LF	\$45.00	\$4,500.00
4	6" PVC, CLASS 150, WATER LINE	50	LF	\$38.00	\$1,900.00
5	DUCTILE IRON FITTINGS	1.2	TONS	\$6,000.00	\$7,200.00
6	12" GATE VALVE	3	EA	\$2,000.00	\$6,000.00
7	8" GATE VALVE	5	EA	\$1,500.00	\$7,500.00
8	6" GATE VALVE	5	EA	\$1,300.00	\$6,500.00
9	FIRE HYDRANT	5	EA	\$4,000.00	\$20,000.00
10	3/4" SERVICE LINE (BORED FROM MAIN TO METER)	22	EA	\$1,300.00	\$28,600.00
11	TEMPORARY HMAC PAVEMENT REPAIR	50	LF	\$10.00	\$500.00
12	CONCRETE DWY / PVMT REPAIR	100	SF	\$7.25	\$725.00
13	TRENCH SAFETY	2,880	LF	\$1.00	\$2,880.00
11	MISCELLANEOUS RESTORATION				
	AND ADJUSTMENTS	1	LS	\$5,000.00	\$5,000.00
		SUBTOTAL			\$266,705.00
	CONTINGEN	ICY (15%)			\$40,005.75
	S	UBTOTAL			\$306,710.75
	ENGINEERING			\$46,006.61	
	TOTAL PROJECTED CONSTRUCTI	ON COST			\$352,717.36
	PROJECTED COST ATTRIBUTABLE TO DEVEL	OPMENT	(100%)		\$352,717.36

**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

**DECEMBER 2017** 

## CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

**Project: WATER IMPROVEMENTS** 

Description: 12" LINE 'F' (N of Stevens Middle School)

				,	
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
1	PARKWAY PREPARATION	1	LS	\$8,000.00	\$8,000.00
2	12" PVC, CLASS 150, WATER LINE	2,850	LF	\$60.00	\$171,000.00
3	8" PVC, CLASS 150, WATER LINE	300	LF	\$45.00	\$13,500.00
4	6" PVC, CLASS 150, WATER LINE	80	LF	\$38.00	\$3,040.00
5	DUCTILE IRON FITTINGS	1.2	TONS	\$6,000.00	\$7,200.00
6	12" GATE VALVE	4	EA	\$2,000.00	\$8,000.00
7	8" GATE VALVE	15	EA	\$1,500.00	\$22,500.00
8	6" GATE VALVE	8	EA	\$1,300.00	\$10,400.00
9	FIRE HYDRANT	8	EA	\$4,000.00	\$32,000.00
10	3/4" SERVICE LINE (BORED FROM MAIN TO METER)	20	EA	\$1,300.00	\$26,000.00
11	TEMPORARY HMAC PAVEMENT REPAIR	40	LF	\$10.00	\$400.00
12	CONCRETE DWY / PVMT REPAIR	600	SF	\$7.25	\$4,350.00
13	TRENCH SAFETY	3,200	LF	\$1.00	\$3,200.00
11	MISCELLANEOUS RESTORATION				
	AND ADJUSTMENTS	1	LS	\$5,000.00	\$5,000.00
	S	SUBTOTAL			\$314,590.00
	CONTINGEN	ICY (15%)			\$47,188.50
	S	UBTOTAL			\$361,778.50
	ENGINEERING	/SURVEY			\$54,266.78
TOTAL PROJECTED CONSTRUCTION COST					\$416,045.28
	PROJECTED COST ATTRIBUTABLE TO DEVE	OPMENT	(100%)		\$416,045.28

**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

**DECEMBER 2017** 

## CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

Project : <u>WATER IMPROVEMENTS</u>

Description: 12" LINE 'G' (Odell Lane)

ITEM	DESCRIPTION	CHANTITY	11507		
	DESCRIPTION	QUANTITY		UNIT COST	AMOUNT
1	PARKWAY PREPARATION	11	LS	\$8,000.00	\$8,000.00
2	12" PVC, CLASS 150, WATER LINE	1,000	LF	\$60.00	\$60,000.00
3	8" PVC, CLASS 150, WATER LINE	60	LF	\$45.00	\$2,700.00
4	6" PVC, CLASS 150, WATER LINE	30	LF	\$38.00	\$1,140.00
5	DUCTILE IRON FITTINGS	1.2	TONS	\$6,000.00	\$7,200.00
6	12" GATE VALVE	3	EA	\$2,000.00	\$6,000.00
7	8" GATE VALVE	6	EA	\$1,500.00	\$9,000.00
8	6" GATE VALVE	3	EA	\$1,300.00	\$3,900.00
9	FIRE HYDRANT	3	EA	\$4,000.00	\$12,000.00
10	3/4" SERVICE LINE (BORED FROM MAIN TO METER)	20	ΕA	\$1,300.00	\$26,000.00
11	TRENCH SAFETY	1,090	LF	\$1.00	\$1,090.00
12	MISCELLANEOUS RESTORATION				
	AND ADJUSTMENTS	1	LS	\$5,000.00	\$5,000.00
	S	UBTOTAL			\$142,030.00
	CONTINGEN	ICY (15%)			\$21,304.50
		UBTOTAL			\$163,334.50
ENGINEERING/SURVEY					\$24,500.18
TOTAL PROJECTED CONSTRUCTION COST					\$187,834.68
					<del>\$ 10.,00 1.00</del>
	PROJECTED COST ATTRIBUTABLE TO DEVEL	OPMENT	(100%)		\$187,834.68
	THE COST AT INITIAL TO DEALE	-OI WILITI	(10070)		Ψ101,034.00

**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

DECEMBER 2017

## CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

Project: WATER IMPROVEMENTS

Description: 12" LINE 'H' (Canoe Way)

2       12" PVC, CLASS 150, WATER LINE       1,665       LF       \$60.00       \$99,900.0         3       22" STEEL CASING IN BORE       300       LF       \$340.00       \$102,000.0         4       8" PVC, CLASS 150, WATER LINE       100       LF       \$45.00       \$4,500.0         5       6" PVC, CLASS 150, WATER LINE       50       LF       \$38.00       \$1,900.0         6       DUCTILE IRON FITTINGS       1.3       TONS       \$6,000.00       \$7,800.0         7       12" GATE VALVE       3       EA       \$2,000.00       \$6,000.0         8       8" GATE VALVE       8       EA       \$1,500.00       \$12,000.0         9       6" GATE VALVE       5       EA       \$1,300.00       \$26,000.0         10       FIRE HYDRANT       5       EA       \$4,000.00       \$20,000.0         11       3/4" SERVICE LINE (BORED FROM MAIN TO METER)       20       EA       \$1,300.00       \$26,000.0         12       TRENCH SAFETY       1,815       LF       \$1.00       \$1,815.0         13       MISCELLANEOUS RESTORATION       1       LS       \$5,000.0       \$301,415.0         CONTINGENCY (15%)       SUBTOTAL       \$346,627.2       \$1,994.0						
2 12" PVC, CLASS 150, WATER LINE 1,665 LF \$60.00 \$99,900.0 3 22" STEEL CASING IN BORE 300 LF \$340.00 \$102,000.0 4 8" PVC, CLASS 150, WATER LINE 100 LF \$45.00 \$4,500.0 5 6" PVC, CLASS 150, WATER LINE 50 LF \$38.00 \$1,900.0 6 DUCTILE IRON FITTINGS 1.3 TONS \$6,000.00 \$7,800.0 7 12" GATE VALVE 3 EA \$2,000.00 \$6,000.0 8 8" GATE VALVE 8 EA \$1,500.00 \$12,000.0 9 6" GATE VALVE 5 EA \$1,300.00 \$6,500.0 10 FIRE HYDRANT 5 EA \$4,000.00 \$20,000.0 11 3/4" SERVICE LINE (BORED FROM MAIN TO METER) 20 EA \$1,300.00 \$26,000.0 12 TRENCH SAFETY 1,815 LF \$1.00 \$1,815.0 13 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$5,000.00 \$301,415.0  CONTINGENCY (15%) \$445,212.2 ENGINEERING/SURVEY \$51,994.0  TOTAL PROJECTED CONSTRUCTION COST \$398,621.3	ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
3 22" STEEL CASING IN BORE 300 LF \$340.00 \$102,000.00 4 8" PVC, CLASS 150, WATER LINE 100 LF \$45.00 \$4,500.00 5 6" PVC, CLASS 150, WATER LINE 50 LF \$38.00 \$1,900.00 6 DUCTILE IRON FITTINGS 1.3 TONS \$6,000.00 \$7,800.00 7 12" GATE VALVE 3 EA \$2,000.00 \$6,000.00 8 8" GATE VALVE 8 EA \$1,500.00 \$112,000.00 9 6" GATE VALVE 5 EA \$1,300.00 \$6,500.00 10 FIRE HYDRANT 5 EA \$4,000.00 \$20,000.00 11 3/4" SERVICE LINE (BORED FROM MAIN TO METER) 20 EA \$1,300.00 \$26,000.00 12 TRENCH SAFETY 1,815 LF \$1.00 \$1,815.00 13 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$5,000.00 \$55,000.00 SUBTOTAL \$331,415.00 CONTINGENCY (15%) SUBTOTAL \$346,627.2 ENGINEERING/SURVEY \$51,994.00 TOTAL PROJECTED CONSTRUCTION COST \$398,621.3	11	PARKWAY PREPARATION	1	LS	\$8,000.00	\$8,000.00
4 8" PVC, CLASS 150, WATER LINE 100 LF \$45.00 \$4,500.0 5 6" PVC, CLASS 150, WATER LINE 50 LF \$38.00 \$1,900.0 6 DUCTILE IRON FITTINGS 1.3 TONS \$6,000.00 \$7,800.0 7 12" GATE VALVE 3 EA \$2,000.00 \$6,000.00 8 8" GATE VALVE 8 EA \$1,500.00 \$12,000.00 9 6" GATE VALVE 5 EA \$1,300.00 \$6,500.00 10 FIRE HYDRANT 5 EA \$4,000.00 \$20,000.00 11 3/4" SERVICE LINE (BORED FROM MAIN TO METER) 20 EA \$1,300.00 \$26,000.00 12 TRENCH SAFETY 1,815 LF \$1.00 \$1,815.00 13 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$5,000.00 \$5,000.00  CONTINGENCY (15%) \$346,627.2 ENGINEERING/SURVEY \$51,994.00  TOTAL PROJECTED CONSTRUCTION COST \$398,621.3	2	12" PVC, CLASS 150, WATER LINE	1,665	LF	\$60.00	\$99,900.00
5         6" PVC, CLASS 150, WATER LINE         50         LF         \$38.00         \$1,900.0           6         DUCTILE IRON FITTINGS         1.3         TONS         \$6,000.00         \$7,800.0           7         12" GATE VALVE         3         EA         \$2,000.00         \$6,000.0           8         8" GATE VALVE         8         EA         \$1,500.00         \$12,000.0           9         6" GATE VALVE         5         EA         \$1,300.00         \$6,500.0           10         FIRE HYDRANT         5         EA         \$4,000.00         \$20,000.0           11         3/4" SERVICE LINE (BORED FROM MAIN TO METER)         20         EA         \$1,300.00         \$26,000.0           12         TRENCH SAFETY         1,815         LF         \$1.00         \$1,815.0           13         MISCELLANEOUS RESTORATION         3         LS         \$5,000.00         \$5,000.0           AND ADJUSTMENTS         1         LS         \$5,000.00         \$301,415.0           CONTINGENCY (15%)         \$45,212.2           SUBTOTAL         \$346,627.2           ENGINEERING/SURVEY         \$51,994.0           TOTAL PROJECTED CONSTRUCTION COST         \$398,621.3	3	22" STEEL CASING IN BORE	300	LF	\$340.00	\$102,000.00
1.3   TONS   \$6,000.00   \$7,800.00   \$7,800.00   \$7,800.00   \$7,800.00   \$7,800.00   \$12" GATE VALVE   3   EA   \$2,000.00   \$6,000.00   \$6,000.00   \$8   "GATE VALVE   8   EA   \$1,500.00   \$12,000.00   \$12,000.00   \$12,000.00   \$12,000.00   \$12,000.00   \$12,000.00   \$12,000.00   \$12,000.00   \$12,000.00   \$12,000.00   \$13,000.00	4	8" PVC, CLASS 150, WATER LINE	100	LF	\$45.00	\$4,500.00
7       12" GATE VALVE       3       EA       \$2,000.00       \$6,000.0         8       8" GATE VALVE       8       EA       \$1,500.00       \$12,000.0         9       6" GATE VALVE       5       EA       \$1,300.00       \$6,500.0         10       FIRE HYDRANT       5       EA       \$4,000.00       \$20,000.0         11       3/4" SERVICE LINE (BORED FROM MAIN TO METER)       20       EA       \$1,300.00       \$26,000.0         12       TRENCH SAFETY       1,815       LF       \$1.00       \$1,815.0         13       MISCELLANEOUS RESTORATION       1       LS       \$5,000.00       \$5,000.0         AND ADJUSTMENTS       1       LS       \$5,000.00       \$301,415.0         CONTINGENCY (15%)       \$45,212.2         SUBTOTAL       \$346,627.2         ENGINEERING/SURVEY       \$51,994.0         TOTAL PROJECTED CONSTRUCTION COST       \$398,621.3	5	6" PVC, CLASS 150, WATER LINE	50	LF	\$38.00	\$1,900.00
8       8" GATE VALVE       8       EA       \$1,500.00       \$12,000.00         9       6" GATE VALVE       5       EA       \$1,300.00       \$6,500.00         10       FIRE HYDRANT       5       EA       \$4,000.00       \$20,000.00         11       3/4" SERVICE LINE (BORED FROM MAIN TO METER)       20       EA       \$1,300.00       \$26,000.00         12       TRENCH SAFETY       1,815       LF       \$1.00       \$1,815.00         13       MISCELLANEOUS RESTORATION       31,815.00       \$5,000.00       \$5,000.00         AND ADJUSTMENTS       1       LS       \$5,000.00       \$301,415.00         CONTINGENCY (15%)       \$45,212.2         SUBTOTAL       \$346,627.2         ENGINEERING/SURVEY       \$51,994.00         TOTAL PROJECTED CONSTRUCTION COST       \$398,621.3	6	DUCTILE IRON FITTINGS	1.3	TONS	\$6,000.00	\$7,800.00
9 6" GATE VALVE 5 EA \$1,300.00 \$6,500.00 10 FIRE HYDRANT 5 EA \$4,000.00 \$20,000.00 11 3/4" SERVICE LINE (BORED FROM MAIN TO METER) 20 EA \$1,300.00 \$26,000.00 12 TRENCH SAFETY 1,815 LF \$1.00 \$1,815.00 13 MISCELLANEOUS RESTORATION 1 LS \$5,000.00 \$5,000.00 AND ADJUSTMENTS 1 LS \$5,000.00 \$5,000.00 SUBTOTAL \$301,415.00  CONTINGENCY (15%) \$45,212.20 SUBTOTAL \$346,627.20 ENGINEERING/SURVEY \$51,994.00 TOTAL PROJECTED CONSTRUCTION COST \$398,621.30	7	12" GATE VALVE	3	EA	\$2,000.00	\$6,000.00
10       FIRE HYDRANT       5       EA       \$4,000.00       \$20,000.00         11       3/4" SERVICE LINE (BORED FROM MAIN TO METER)       20       EA       \$1,300.00       \$26,000.00         12       TRENCH SAFETY       1,815       LF       \$1.00       \$1,815.00         13       MISCELLANEOUS RESTORATION       1       LS       \$5,000.00       \$5,000.00         AND ADJUSTMENTS       1       LS       \$5,000.00       \$301,415.00         CONTINGENCY (15%)       \$45,212.2         SUBTOTAL       \$346,627.2         ENGINEERING/SURVEY       \$51,994.00         TOTAL PROJECTED CONSTRUCTION COST       \$398,621.30	8	8" GATE VALVE	8	EA	\$1,500.00	\$12,000.00
11       3/4" SERVICE LINE (BORED FROM MAIN TO METER)       20       EA       \$1,300.00       \$26,000.00         12       TRENCH SAFETY       1,815       LF       \$1.00       \$1,815.00         13       MISCELLANEOUS RESTORATION       1       LS       \$5,000.00       \$5,000.00         SUBTOTAL       \$301,415.00         CONTINGENCY (15%)       \$45,212.2         SUBTOTAL       \$346,627.2         ENGINEERING/SURVEY       \$51,994.0         TOTAL PROJECTED CONSTRUCTION COST       \$398,621.3	9	6" GATE VALVE	5	EA	\$1,300.00	\$6,500.00
12       TRENCH SAFETY       1,815       LF       \$1.00       \$1,815.00         13       MISCELLANEOUS RESTORATION       1       LS       \$5,000.00       \$5,000.00         SUBTOTAL       \$301,415.00         CONTINGENCY (15%)       \$45,212.2         SUBTOTAL       \$346,627.2         ENGINEERING/SURVEY       \$51,994.0         TOTAL PROJECTED CONSTRUCTION COST       \$398,621.3	10	FIRE HYDRANT	5	EA	\$4,000.00	\$20,000.00
13   MISCELLANEOUS RESTORATION	11	3/4" SERVICE LINE (BORED FROM MAIN TO METER)	20	EA	\$1,300.00	\$26,000.00
AND ADJUSTMENTS 1 LS \$5,000.00 \$5,000.00  SUBTOTAL \$301,415.00  CONTINGENCY (15%) \$45,212.20 SUBTOTAL \$346,627.20 ENGINEERING/SURVEY \$51,994.00  TOTAL PROJECTED CONSTRUCTION COST \$398,621.30	12	TRENCH SAFETY	1,815	LF	\$1.00	\$1,815.00
SUBTOTAL   \$301,415.0   CONTINGENCY (15%)	13	MISCELLANEOUS RESTORATION				
CONTINGENCY (15%) \$45,212.2  SUBTOTAL \$346,627.2  ENGINEERING/SURVEY \$51,994.0  TOTAL PROJECTED CONSTRUCTION COST \$398,621.3		AND ADJUSTMENTS	1	LS	\$5,000.00	\$5,000.00
SUBTOTAL         \$346,627.2           ENGINEERING/SURVEY         \$51,994.0           TOTAL PROJECTED CONSTRUCTION COST         \$398,621.3		S	UBTOTAL			\$301,415.00
SUBTOTAL         \$346,627.2           ENGINEERING/SURVEY         \$51,994.0           TOTAL PROJECTED CONSTRUCTION COST         \$398,621.3						
ENGINEERING/SURVEY \$51,994.0  TOTAL PROJECTED CONSTRUCTION COST \$398,621.3		CONTINGEN	ICY (15%)			\$45,212.25
TOTAL PROJECTED CONSTRUCTION COST \$398,621.3		S	UBTOTAL			\$346,627.25
	ENGINEERING/SURVEY					\$51,994.09
PROJECTED COST ATTRIBUTABLE TO DEVELOPMENT (100%) \$398,621.3		TOTAL PROJECTED CONSTRUCT		\$398,621.34		
PROJECTED COST ATTRIBUTABLE TO DEVELOPMENT (100%) \$398,621.3						
		PROJECTED COST ATTRIBUTABLE TO DEVE	OPMENT	(100%)		\$398,621.34

**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

**DECEMBER 2017** 

## CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

Project : WATER IMPROVEMENTS

Description: 12" LINE 'I' (FM 731/Crowley Rd)

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
1	PARKWAY PREPARATION	1	LS	\$8,000.00	\$8,000.00
2	12" PVC, CLASS 150, WATER LINE	1,950	LF	\$60.00	\$117,000.00
3	8" PVC, CLASS 150, WATER LINE	40	LF	\$45.00	\$1,800.00
4	6" PVC, CLASS 150, WATER LINE	40	LF	\$38.00	\$1,520.00
5	DUCTILE IRON FITTINGS	1.1	TONS	\$6,000.00	\$6,600.00
6	12" GATE VALVE	4	EA	\$2,000.00	\$8,000.00
7	8" GATE VALVE	3	EA	\$1,500.00	\$4,500.00
8	6" GATE VALVE	4	EA	\$1,300.00	\$5,200.00
9	FIRE HYDRANT	4	EA	\$4,000.00	\$16,000.0 <u>0</u>
10	3/4" SERVICE LINE (BORED FROM MAIN TO METER)	15	EA	\$1,300.00	\$19,500.00
11	TEMPORARY HMAC PAVEMENT REPAIR	20	LF	\$10.00	\$200.00
12	CONCRETE DWY / PVMT REPAIR	1,300	SF	\$7.25	\$9,425.00
13	ABANDON EXISTING WATER LINE	1	LS	\$1,000.00	\$1,000.00
14	TRENCH SAFETY	2,030	LF	\$1.00	\$2,030.00
15	MISCELLANEOUS RESTORATION				
	AND ADJUSTMENTS	1	LS	\$5,000.00	\$5,000.00
		UBTOTAL			\$205,775.00
	CONTINGEN	NCY (15%)			\$30,866.25
	S		\$236,641.25		
ENGINEERING/SURVEY					\$35,496.19
TOTAL PROJECTED CONSTRUCTION COST					\$272,137.44
PROJECTED COST ATTRIBUTABLE TO DEVELOPMENT (33%)					

**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

**DECEMBER 2017** 

# CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

Project : WATER IMPROVEMENTS

**Description: 12" LINE 'J' (Mathew Street)** 

ITEM	DESCRIPTION	OLIANITITY	LINUT	LINIT COST	AMOUNT
11 LIVI		QUANTITY		UNIT COST	AMOUNT
1	PARKWAY PREPARATION	1	LS	\$8,000.00	\$8,000.00
2	12" PVC, CLASS 150, WATER LINE	4,960	LF	\$60.00	\$297,600.00
3	8" PVC, CLASS 150, WATER LINE	360	LF	\$45.00	\$16,200.00
4	6" PVC, CLASS 150, WATER LINE	180	LF	\$38.00	\$6,840.00
5	DUCTILE IRON FITTINGS	1.5	TONS	\$6,000.00	\$9,000.00
6	12" GATE VALVE	15	EA	\$2,000.00	\$30,000.00
7 *	8" GATE VALVE	30	EA	\$1,500.00	\$45,000.00
8	6" GATE VALVE	15	EA	\$1,300.00	\$19,500.00
9	FIRE HYDRANT	15	EA	\$4,000.00	\$60,000.00
10	3/4" SERVICE LINE (BORED FROM MAIN TO METER)	50	EA	\$1,300.00	\$65,000.00
11	TRENCH SAFETY	5,500	LF	\$1.00	\$5,500.00
12	MISCELLANEOUS RESTORATION				
	AND ADJUSTMENTS	1	LS	\$5,000.00	\$5,000.00
	S	UBTOTAL			\$567,640.00
·					
	CONTINGEN	ICY (15%)			\$85,146.00
		UBTOTAL			\$652,786.00
	ENGINEERING				\$97,917.90
	TOTAL PROJECTED CONSTRUCTI				\$750,703.90
	PROJECTED COST ATTRIBUTABLE TO DEVEL	OPMENT	(100%)		\$750,703.90
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**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

**DECEMBER 2017** 

# CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

Project : <u>WATER IMPROVEMENTS</u>

Description: 12" LINE 'K' (Water Lane)

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ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
1	PARKWAY PREPARATION	1	LS	\$8,000.00	\$8,000.00
2	12" PVC, CLASS 150, WATER LINE	3,100	LF	\$60.00	\$186,000.00
3	8" PVC, CLASS 150, WATER LINE	200	LF	\$45.00	\$9,000.00
4	6" PVC, CLASS 150, WATER LINE	100	LF	\$38.00	\$3,800.00
_5	DUCTILE IRON FITTINGS	1.6	TONS	\$6,000.00	\$9,600.00
6	12" GATE VALVE	5	EA	\$2,000.00	\$10,000.00
7	8" GATE VALVE	20	EA	\$1,500.00	\$30,000.00
8	6" GATE VALVE	10	EA	\$1,300.00	\$13,000.00
9	FIRE HYDRANT	10	EA	\$4,000.00	\$40,000.00
10	3/4" SERVICE LINE (BORED FROM MAIN TO METER)	20	EA	\$1,300.00	\$26,000.00
11	TEMPORARY HMAC PAVEMENT REPAIR	100	LF	\$10.00	\$1,000.00
12	CONCRETE DWY / PVMT REPAIR	150	SF	\$7.25	\$1,087.50
13	TRENCH SAFETY	3,400	LF	\$1.00	\$3,400.00
14	MISCELLANEOUS RESTORATION				
	AND ADJUSTMENTS	1	LS	\$5,000.00	\$5,000.00
	\$	SUBTOTAL			\$345,887.50
	CONTINGEN	NCY (15%)			\$51,883.13
	SUBTOTAL				\$397,770.63
ENGINEERING/SURVEY					\$59,665.59
TOTAL PROJECTED CONSTRUCTION COST					\$457,436.22
PROJECTED COST ATTRIBUTABLE TO DEVELOPMENT (33%)					\$150,953.95
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**TEAGUE NALL AND PERKINS, INC.**5237 N RIVERSIDE DRIVE, SUITE 100
FORT WORTH, TEXAS 76137

**DECEMBER 2017** 

## CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

Project : <u>WATER IMPROVEMENTS</u>

Description: 12" LINE 'L' (Industrial)

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
1	PARKWAY PREPARATION	1	LS	\$8,000.00	\$8,000.00
2	12" PVC, CLASS 150, WATER LINE	2,810	LF	\$60.00	\$168,600.00
3	8" PVC, CLASS 150, WATER LINE	100	LF	\$45.00	\$4,500.00
4	6" PVC, CLASS 150, WATER LINE	50	LF	\$38.00	\$1,900.00
5	DUCTILE IRON FITTINGS	1.3	TONS	\$6,000.00	\$7,800.00
6	12" GATE VALVE	6	EA	\$2,000.00	\$12,000.00
7	8" GATE VALVE	8	EA	\$1,500.00	\$12,000.00
8	6" GATE VALVE	5	EA	\$1,300.00	\$6,500.00
. 9	FIRE HYDRANT	5	EA	\$4,000.00	\$20,000.00
10	3/4" SERVICE LINE (BORED FROM MAIN TO METER)	25	EA	\$1,300.00	\$32,500.00
11	TEMPORARY HMAC PAVEMENT REPAIR	20	LF	\$10.00	\$200.00
12	TRENCH SAFETY	2,960	LF	\$1.00	\$2,960.00
13	MISCELLANEOUS RESTORATION				
	AND ADJUSTMENTS	1	LS	\$5,000.00	\$5,000.00
		SUBTOTAL			\$281,960.00
	CONTINGEN	NCY (15%)			\$42,294.00
	S	UBTOTAL			\$324,254.00
	ENGINEERING	/SURVEY			\$48,638.10
	TOTAL PROJECTED CONSTRUCT	ON COST			\$372,892.10
	PROJECTED COST ATTRIBUTABLE TO DEVE	OPMENT	(100%)		\$372,892.10

**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

**DECEMBER 2017** 

# CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

**Project: WATER IMPROVEMENTS** 

Description: 12" LINE 'M'

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ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
1	PARKWAY PREPARATION	11	LS	\$8,000.00	\$8,000.00
2	12" PVC, CLASS 150, WATER LINE	3,500	LF	\$60.00	\$210,000.00
3	8" PVC, CLASS 150, WATER LINE	280	LF	\$45.00	\$12,600.00
4	6" PVC, CLASS 150, WATER LINE	100	LF	\$38.00	\$3,800.00
5	DUCTILE IRON FITTINGS	1.5	TONS	\$6,000.00	\$9,000.00
6	12" GATE VALVE	5	EA	\$2,000.00	\$10,000.00
7	8" GATE VALVE	25	EA	\$1,500.00	\$37,500.00
8	6" GATE VALVE	10	EA	\$1,300.00	\$13,000.00
9	FIRE HYDRANT	10	EA	\$4,000.00	\$40,000.00
10	3/4" SERVICE LINE (BORED FROM MAIN TO METER)	60	EA	\$1,300.00	\$78,000.00
11	TRENCH SAFETY	3,880	LF	\$1.00	\$3,880.00
12	MISCELLANEOUS RESTORATION				
	AND ADJUSTMENTS	1	LS	\$5,000.00	\$5,000.00
		SUBTOTAL			\$430,780.00
	CONTINGEN	ICY (15%)			\$64,617.00
		UBTOTAL			\$495,397.00
ENGINEERING/SURVEY				\$74,309.55	
	TOTAL PROJECTED CONSTRUCTI	ON COST	-		\$569,706.55
	PROJECTED COST ATTRIBUTABLE TO DEVEL	OPMENT	(100%)		\$569,706.55

**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

**DECEMBER 2017** 

# CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

Project : WATER IMPROVEMENTS

Description: 12" LINE 'N'

ITEM	DESCRIPTION	OLIANITITY	LINUT	LINIT COST	AMOUNT
		QUANTITY		UNIT COST	AMOUNT
1	PARKWAY PREPARATION	1	LS	\$8,000.00	\$8,000.00
2	12" PVC, CLASS 150, WATER LINE	4,700	LF	\$60.00	\$282,000.00
3	8" PVC, CLASS 150, WATER LINE	180	LF	\$45.00	\$8,100.00
4	6" PVC, CLASS 150, WATER LINE	180	LF	\$38.00	\$6,840.00
5	DUCTILE IRON FITTINGS	0	TONS	\$6,000.00	\$0.00
6	12" GATE VALVE	6	EA	\$2,000.00	\$12,000.00
7	8" GATE VALVE	18	EA	\$1,500.00	\$27,000.00
88	6" GATE VALVE	18	EA	\$1,300.00	\$23,400.00
9	FIRE HYDRANT	18	EA	\$4,000.00	\$72,000.00
10	3/4" SERVICE LINE (BORED FROM MAIN TO METER)	12	EA	\$1,300.00	\$15,600.00
11	TRENCH SAFETY	5,060	LF	\$1.00	\$5,060.00
9	MISCELLANEOUS RESTORATION				
	AND ADJUSTMENTS	1	LS	\$5,000.00	\$5,000.00
	9	UBTOTAL			\$465,000.00
	CONTINGEN	ICY (15%)			\$69,750.00
		UBTOTAL			\$534,750.00
ENGINEERING/SURVEY		SURVEY			\$80,212.50
TOTAL PROJECTED CONSTRUCTION COST		-	<u>_</u>	\$614,962.50	
				-	, , , , , , , , , , , , , , , , , , , ,
	PROJECTED COST ATTRIBUTABLE TO DEVEL	OPMENT	(100%)		\$614,962.50

**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

**DECEMBER 2017** 

# CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

**Project: WATER IMPROVEMENTS** 

Description: 12" LINE 'O' (N Crowley Rd)

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
1	PARKWAY PREPARATION	1	LS	\$8,000.00	\$8,000.00
2	12" PVC, CLASS 150, WATER LINE	2,130	LF	\$60.00	\$127,800.00
3	8" PVC, CLASS 150, WATER LINE	160	LF	\$45.00	\$7,200.00
4	6" PVC, CLASS 150, WATER LINE	80	LF	\$38.00	\$3,040.00
5	DUCTILE IRON FITTINGS	0	TONS	\$6,000.00	\$0.00
6	12" GATE VALVE	4	ΕA	\$2,000.00	\$8,000.00
7	8" GATE VALVE	16	EA	\$1,500.00	\$24,000.00
8	6" GATE VALVE	8	EA	\$1,300.00	\$10,400.00
9	FIRE HYDRANT	8	EA	\$4,000.00	\$32,000.00
10	3/4" SERVICE LINE (BORED FROM MAIN TO METER)	20	EA	\$1,300.00	\$26,000.00
11	CONCRETE DWY / PVMT REPAIR	50	SF	\$10.00	\$500.00
12	ABANDON EXISTING WATER LINE	1	LS	\$1,000.00	\$1,000.00
13	TRENCH SAFETY	2,370	LF	\$1.00	\$2,370.00
14	MISCELLANEOUS RESTORATION				
	AND ADJUSTMENTS	1	LS	\$5,000.00	\$5,000.00
	S	SUBTOTAL			\$255,310.00
	CONTINGEN	ICY (15%)			\$38,296.50
SUBTOTAL				\$293,606.50	
ENGINEERING/SURVEY					\$44,040.98
TOTAL PROJECTED CONSTRUCTION COST					\$337,647.48
PROJECTED COST ATTRIBUTABLE TO DEVELOPMENT (33%)					\$111,423.67

**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

**DECEMBER 2017** 

# CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

Project: <u>WATER IMPROVEMENTS</u>
Description: 12" LINE 'P' (Odell Lane)

12" PVC, CLASS 150, WATER LINE						
2 12" PVC, CLASS 150, WATER LINE 2,192 LF \$60.00 \$131,520.00 3 8" PVC, CLASS 150, WATER LINE 160 LF \$45.00 \$7,200.00 4 6" PVC, CLASS 150, WATER LINE 80 LF \$38.00 \$3,040.00 5 DUCTILE IRON FITTINGS 1.2 TONS \$6,000.00 \$7,200.00 6 12" GATE VALVE 3 EA \$2,000.00 \$6,000.00 7 8" GATE VALVE 10 EA \$1,500.00 \$15,000.00 8 6" GATE VALVE 8 EA \$1,300.00 \$10,400.00 9 FIRE HYDRANT 8 EA \$4,000.00 \$32,000.00 10 3/4" SERVICE LINE (BORED FROM MAIN TO METER) 40 EA \$1,300.00 \$52,000.00 11 TRENCH SAFETY 2,432 LF \$1.00 \$2,432.00 12 MISCELLANEOUS RESTORATION 1 LS \$5,000.00 \$52,000.00 13 SUBTOTAL \$279,792.00  CONTINGENCY (15%) \$41,968.80 SUBTOTAL \$321,760.80 ENGINEERING/SURVEY \$48,264.12  TOTAL PROJECTED CONSTRUCTION COST \$370,024.92	ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
2   12" PVC, CLASS 150, WATER LINE   2,192	1	PARKWAY PREPARATION	1	LS	\$8,000.00	\$8,000.00
4 6" PVC, CLASS 150, WATER LINE 80 LF \$38.00 \$3,040.00 5 DUCTILE IRON FITTINGS 1.2 TONS \$6,000.00 \$7,200.00 6 12" GATE VALVE 3 EA \$2,000.00 \$6,000.00 7 8" GATE VALVE 10 EA \$1,500.00 \$15,000.00 8 6" GATE VALVE 8 EA \$1,300.00 \$10,400.00 9 FIRE HYDRANT 8 EA \$4,000.00 \$32,000.00 10 3/4" SERVICE LINE (BORED FROM MAIN TO METER) 40 EA \$1,300.00 \$52,000.00 11 TRENCH SAFETY 2,432 LF \$1.00 \$2,432.00 12 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$5,000.00 \$5,000.00 SUBTOTAL \$279,792.00  CONTINGENCY (15%) \$41,968.80 SUBTOTAL \$321,760.80 ENGINEERING/SURVEY \$48,264.12	2	12" PVC, CLASS 150, WATER LINE	2,192	LF	\$60.00	\$131,520.00
4 6" PVC, CLASS 150, WATER LINE 80 LF \$38.00 \$3,040.00 5 DUCTILE IRON FITTINGS 1.2 TONS \$6,000.00 \$7,200.00 6 12" GATE VALVE 3 EA \$2,000.00 \$6,000.00 7 8" GATE VALVE 10 EA \$1,500.00 \$15,000.00 8 6" GATE VALVE 8 EA \$1,300.00 \$10,400.00 9 FIRE HYDRANT 8 EA \$4,000.00 \$32,000.00 10 3/4" SERVICE LINE (BORED FROM MAIN TO METER) 40 EA \$1,300.00 \$52,000.00 11 TRENCH SAFETY 2,432 LF \$1.00 \$2,432.00 12 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$5,000.00 \$5,000.00 SUBTOTAL \$279,792.00  CONTINGENCY (15%) \$41,968.80 SUBTOTAL ENGINEERING/SURVEY \$48,264.12  TOTAL PROJECTED CONSTRUCTION COST \$370,024.92	3	8" PVC, CLASS 150, WATER LINE	160	LF	\$45.00	\$7,200.00
5         DUCTILE IRON FITTINGS         1.2         TONS         \$6,000.00         \$7,200.00           6         12" GATE VALVE         3         EA         \$2,000.00         \$6,000.00           7         8" GATE VALVE         10         EA         \$1,500.00         \$15,000.00           8         6" GATE VALVE         8         EA         \$1,300.00         \$10,400.00           9         FIRE HYDRANT         8         EA         \$4,000.00         \$32,000.00           10         3/4" SERVICE LINE (BORED FROM MAIN TO METER)         40         EA         \$1,300.00         \$52,000.00           11         TRENCH SAFETY         2,432         LF         \$1.00         \$2,432.00           12         MISCELLANEOUS RESTORATION         TOTAL PROJECTED CONTINGENCY (15%)         \$5,000.00         \$5,000.00           SUBTOTAL         \$279,792.00         \$279,792.00         \$41,968.80         \$321,760.80           ENGINEERING/SURVEY         \$48,264.12         \$48,264.12         \$370,024.92	4	6" PVC, CLASS 150, WATER LINE	80	LF	\$38.00	\$3,040.00
6 12" GATE VALVE 3 EA \$2,000.00 \$6,000.00 7 8" GATE VALVE 10 EA \$1,500.00 \$15,000.00 8 6" GATE VALVE 8 EA \$1,300.00 \$10,400.00 9 FIRE HYDRANT 8 EA \$4,000.00 \$32,000.00 10 3/4" SERVICE LINE (BORED FROM MAIN TO METER) 40 EA \$1,300.00 \$52,000.00 11 TRENCH SAFETY 2,432 LF \$1.00 \$2,432.00 12 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$5,000.00 \$5,000.00  SUBTOTAL \$279,792.00  CONTINGENCY (15%) \$41,968.80 SUBTOTAL ENGINEERING/SURVEY \$48,264.12  TOTAL PROJECTED CONSTRUCTION COST \$370,024.92	5	DUCTILE IRON FITTINGS	1.2	TONS	\$6,000.00	\$7,200.00
7       8" GATE VALVE       10       EA       \$1,500.00       \$15,000.00         8       6" GATE VALVE       8       EA       \$1,300.00       \$10,400.00         9       FIRE HYDRANT       8       EA       \$4,000.00       \$32,000.00         10       3/4" SERVICE LINE (BORED FROM MAIN TO METER)       40       EA       \$1,300.00       \$52,000.00         11       TRENCH SAFETY       2,432       LF       \$1.00       \$2,432.00         12       MISCELLANEOUS RESTORATION       LS       \$5,000.00       \$5,000.00         AND ADJUSTMENTS       1       LS       \$5,000.00       \$5,000.00         SUBTOTAL       \$279,792.00         CONTINGENCY (15%)       \$41,968.80         SUBTOTAL       \$321,760.80         ENGINEERING/SURVEY       \$48,264.12         TOTAL PROJECTED CONSTRUCTION COST       \$370,024.92	6	12" GATE VALVE	3	EA		
8 6" GATE VALVE 8 EA \$1,300.00 \$10,400.00 9 FIRE HYDRANT 8 EA \$4,000.00 \$32,000.00 10 3/4" SERVICE LINE (BORED FROM MAIN TO METER) 40 EA \$1,300.00 \$52,000.00 11 TRENCH SAFETY 2,432 LF \$1.00 \$2,432.00 12 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$5,000.00 \$5,000.00  SUBTOTAL \$279,792.00  CONTINGENCY (15%) \$41,968.80 SUBTOTAL \$321,760.80 ENGINEERING/SURVEY \$48,264.12  TOTAL PROJECTED CONSTRUCTION COST \$370,024.92	7	8" GATE VALVE	10	EA		
9 FIRE HYDRANT 8 EA \$4,000.00 \$32,000.00 10 3/4" SERVICE LINE (BORED FROM MAIN TO METER) 40 EA \$1,300.00 \$52,000.00 11 TRENCH SAFETY 2,432 LF \$1.00 \$2,432.00 12 MISCELLANEOUS RESTORATION	8	6" GATE VALVE	8	EA		
10 3/4" SERVICE LINE (BORED FROM MAIN TO METER) 40 EA \$1,300.00 \$52,000.00 11 TRENCH SAFETY 2,432 LF \$1.00 \$2,432.00 12 MISCELLANEOUS RESTORATION	9	FIRE HYDRANT	8	EA		
TRENCH SAFETY   2,432   LF   \$1.00   \$2,432.00	10	3/4" SERVICE LINE (BORED FROM MAIN TO METER)	40	EA		
MISCELLANEOUS RESTORATION	11	TRENCH SAFETY	2,432	LF		
SUBTOTAL \$279,792.00  CONTINGENCY (15%) \$41,968.80  SUBTOTAL \$321,760.80  ENGINEERING/SURVEY \$48,264.12  TOTAL PROJECTED CONSTRUCTION COST \$370,024.92	12	MISCELLANEOUS RESTORATION				
SUBTOTAL         \$279,792.00           CONTINGENCY (15%)         \$41,968.80           SUBTOTAL         \$321,760.80           ENGINEERING/SURVEY         \$48,264.12           TOTAL PROJECTED CONSTRUCTION COST         \$370,024.92		AND ADJUSTMENTS	1	LS	\$5,000.00	\$5,000.00
CONTINGENCY (15%) \$41,968.80  SUBTOTAL \$321,760.80  ENGINEERING/SURVEY \$48,264.12  TOTAL PROJECTED CONSTRUCTION COST \$370,024.92			UBTOTAL			
SUBTOTAL         \$321,760.80           ENGINEERING/SURVEY         \$48,264.12           TOTAL PROJECTED CONSTRUCTION COST         \$370,024.92						
SUBTOTAL         \$321,760.80           ENGINEERING/SURVEY         \$48,264.12           TOTAL PROJECTED CONSTRUCTION COST         \$370,024.92		CONTINGEN	ICY (15%)	-		\$41,968.80
ENGINEERING/SURVEY \$48,264.12 TOTAL PROJECTED CONSTRUCTION COST \$370,024.92		· · · · · ·				
TOTAL PROJECTED CONSTRUCTION COST \$370,024.92	ENGINEERING/SURVEY					
PROJECTED COST ATTRIBUTABLE TO DEVELOPMENT (100%) \$370,024.92	TOTAL PROJECTED CONSTRUCTION COST				\$370,024.92	
PROJECTED COST ATTRIBUTABLE TO DEVELOPMENT (100%) \$370,024.92						
		PROJECTED COST ATTRIBUTABLE TO DEVEL	OPMENT	(100%)		\$370,024.92

**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

DECEMBER 2017

# CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

Project : WATER IMPROVEMENTS

Description: 12" LINE 'Q'

ITEM	T	Г.		· · · · ·	
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
1	PARKWAY PREPARATION	1	LS	\$8,000.00	\$8,000.00
2	12" PVC, CLASS 150, WATER LINE	2,392	LF	\$60.00	\$143,520.00
3	8" PVC, CLASS 150, WATER LINE	180	LF	\$45.00	\$8,100.00
4	6" PVC, CLASS 150, WATER LINE	90	LF	\$38.00	\$3,420.00
5	DUCTILE IRON FITTINGS	1.3	TONS	\$6,000.00	\$7,800.00
6	12" GATE VALVE	3	EA	\$2,000.00	\$6,000.00
7	8" GATE VALVE	16	EA	\$1,500.00	\$24,000.00
8	6" GATE VALVE	9	EA	\$1,300.00	\$11,700.00
9	FIRE HYDRANT	9	EA	\$4,000.00	\$36,000.00
10	3/4" SERVICE LINE (BORED FROM MAIN TO METER)	30	EA	\$13,000.00	\$390,000.00
11	TRENCH SAFETY	2,662	LF	\$1.00	\$2,662.00
12	MISCELLANEOUS RESTORATION				
	AND ADJUSTMENTS	1	LS	\$5,000.00	\$5,000.00
		UBTOTAL			\$646,202.00
	CONTINGEN	ICY (15%)			\$96,930.30
		UBTOTAL			\$743,132.30
	ENGINEERING/SURVEY				\$111,469.85
TOTAL PROJECTED CONSTRUCTION COST				\$854,602.15	
					,
	PROJECTED COST ATTRIBUTABLE TO DEVEL	OPMENT	(100%)		\$854,602.15
			(		<del>+</del>

**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

DECEMBER 2017

# CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

**Project : WATER IMPROVEMENTS** 

Description: 12" LINE 'R'

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
1	PARKWAY PREPARATION	1	LS	\$8,000.00	\$8,000.00
2	12" PVC, CLASS 150, WATER LINE	4,850	LF	\$60.00	\$291,000.00
3	8" PVC, CLASS 150, WATER LINE	190	LF	\$45.00	\$8,550.00
4	6" PVC, CLASS 150, WATER LINE	180	LF	\$38.00	\$6,840.00
5	DUCTILE IRON FITTINGS	2.0	TONS	\$6,000.00	\$12,000.00
6	12" GATE VALVE	5	EA	\$2,000.00	\$10,000.00
7	8" GATE VALVE	19	EA	\$1,500.00	\$28,500.00
8	6" GATE VALVE	18	EA	\$1,300.00	\$23,400.00
9	FIRE HYDRANT	18	EA	\$4,000.00	\$72,000.00
10	3/4" SERVICE LINE (BORED FROM MAIN TO METER)	30	EA	\$1,300.00	\$39,000.00
11	TRENCH SAFETY	5,220	LF	\$1.00	\$5,220.00
12	MISCELLANEOUS RESTORATION				, , , , , , , , ,
	AND ADJUSTMENTS	1	LS	\$5,000.00	\$5,000.00
	S	UBTOTAL			\$509,510.00
	CONTINGEN	ICY (15%)			\$76,426.50
		UBTOTAL			\$585,936.50
ENGINEERING/SURVEY					\$87,890.48
TOTAL PROJECTED CONSTRUCTION COST					\$673,826.98
	PROJECTED COST ATTRIBUTABLE TO DEVEL	OPMENT	(100%)		\$673,826.98

**TEAGUE NALL AND PERKINS, INC.**5237 N RIVERSIDE DRIVE, SUITE 100
FORT WORTH, TEXAS 76137

**DECEMBER 2017** 

# CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

**Project: WATER IMPROVEMENTS** 

Description: 12" LINE 'S'

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
_ 1	PARKWAY PREPARATION	1	LS	\$8,000.00	\$8,000.00
2	12" PVC, CLASS 150, WATER LINE	2,850	LF	\$60.00	\$171,000.00
3	8" PVC, CLASS 150, WATER LINE	100	LF	\$45.00	\$4,500.00
4	6" PVC, CLASS 150, WATER LINE	100	LF	\$38.00	\$3,800.00
5	DUCTILE IRON FITTINGS	1.2	TONS	\$6,000.00	\$7,200.00
6	12" GATE VALVE	3	EA	\$2,000.00	\$6,000.00
7	8" GATE VALVE	10	EA	\$1,500.00	\$15,000.00
8	6" GATE VALVE	10	EA	\$1,300.00	\$13,000.00
9	FIRE HYDRANT	10	EA	\$4,000.00	\$40,000.00
10	3/4" SERVICE LINE (BORED FROM MAIN TO METER)	40	EA	\$1,300.00	\$52,000.00
11	TRENCH SAFETY	3,050	LF	\$1.00	\$3,050.00
12	MISCELLANEOUS RESTORATION				
	AND ADJUSTMENTS	1	LS	\$5,000.00	\$5,000.00
		UBTOTAL			\$328,550.00
	CONTINGEN	ICY (15%)			\$49,282.50
	S	UBTOTAL			\$377,832.50
ENGINEERING/SURVEY				\$56,674.88	
TOTAL PROJECTED CONSTRUCTION COST					\$434,507.38
	PROJECTED COST ATTRIBUTABLE TO DEVEL	OPMENT	(100%)		\$434,507.38

**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

**DECEMBER 2017** 

# CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

**Project: WATER IMPROVEMENTS** 

**Description: NORTH SIDE ELEVATED TANK** 

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
1	SITE PREPARATION & RESTORATION	1	LS	\$5,350.00	\$5,350.00
2	500,000 GAL COMPOSITE ELEV STORAGE TANK	1	LS	\$1,254,484.00	\$1,254,484.00
3	CITY LOGO	1	LS	\$6,420.00	\$6,420.00
4	8" CRISHED ROCK / GRAVEL DRIVE	525	SY	\$4.28	\$2,247.00
5	CONCRETE SPLACH PAD FOR TANK OVERFLOW	80	SY	\$3.21	\$256.80
6	4" CONCRETE WALK	20	SF	\$4.28	\$85.60
7	GRADING / HYDROMULCH SEEDING / DRAINAGE	1	LS	\$2,140.00	\$2,140.00
8	12" PVC / DIP OUTLET PIPE	52	LF	\$21.40	\$1,112.80
9	SEEDED EROSION CONTROL MAT STAKED	1,115	SY	\$1.07	\$1,193.05
10	TRENCH SAFETY SYSTEM	1	LS	\$1,070.00	\$1,070.00
11	INLET/OUTLET CONTROL PIPING, VALVES & FITTINGS	1	LS	\$26,750.00	\$26,750.00
12	TEMPORARY EROSION CONTROL	1	LS	\$2,140.00	\$2,140.00
13	ELECTRICAL POWER, LIGHTING & GROUNDING	1	LS	\$53,500.00	\$53,500.00
14	SCADA MONITORING, CONTROL & INSTRUMENTATION	1	LS	\$24,610.00	\$24,610.00
15	MISCELLANEOUS ADJUSTMENTS	1	LS	\$26,750.00	\$26,750.00
	s	UBTOTAL			\$1,408,109.25
	CONTINGEN	ICY (15%)			\$211,216.39
	SI	UBTOTAL[			\$1,619,325.64
ENGINEERING/SURVEY					\$178,125.82
TOTAL PROJECTED CONSTRUCTION COST					\$1,797,451.46
	PROJECTED COST ATTRIBUTABLE TO DEV	ELOPMEN	T (2%)		\$35,949.03

**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

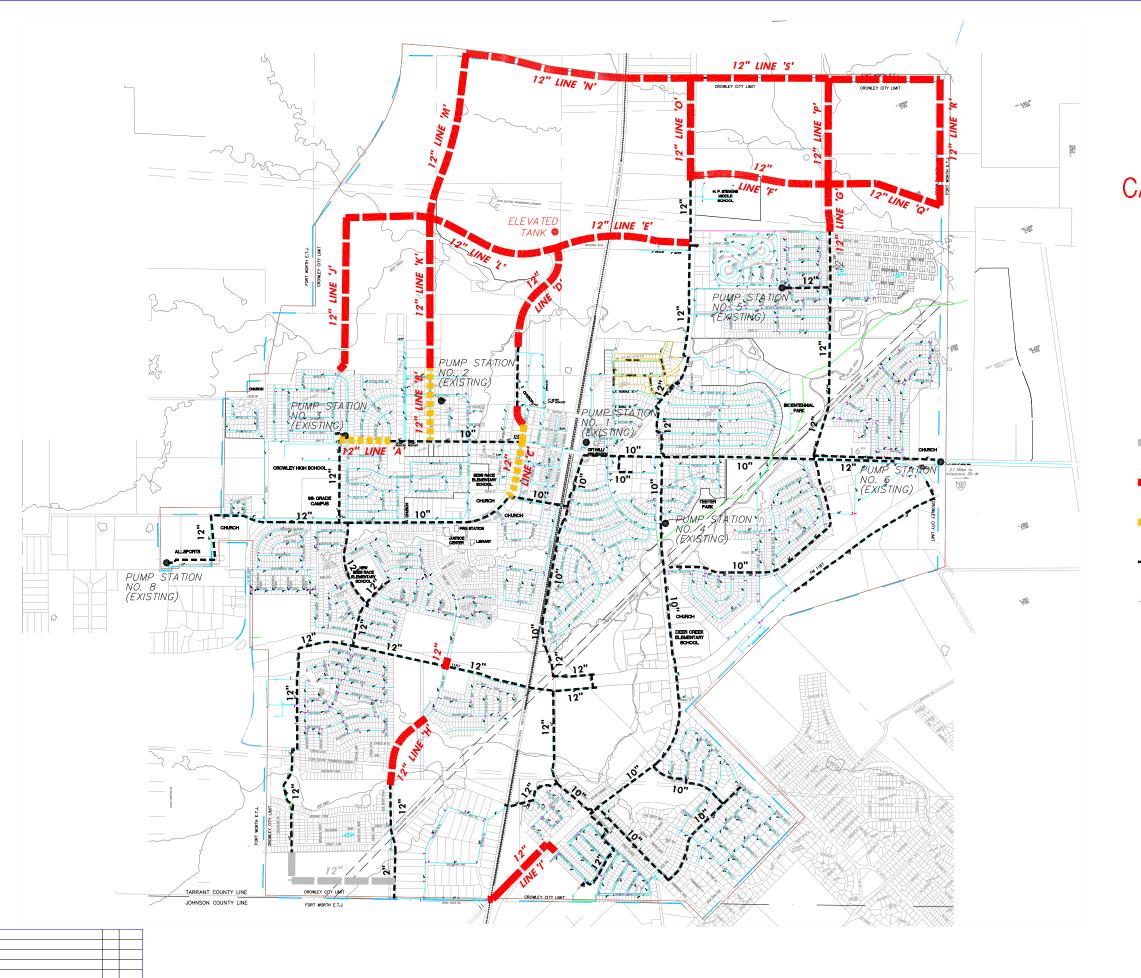
**DECEMBER 2017** 

# CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

Project: WATER IMPROVEMENTS

Description: WEST SIDE PUMP STATION - 1,000 gpm Pump Addition

					_	
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT	
1	SITE PREPARATION & RESTORATION	1	LS	\$8,000.00	\$8,000.00	
2	YARD PIPING, FITTINGS, VALVES & APPURTENANCES	1	LS	\$12,500.00	\$12,500.00	
3	PUMP STATION-50hp 1,000gpm PUMP	1	EA	\$46,000.00	\$46,000.00	
4	ELECTRICAL SERVICE & MOTOR CONTROLS	1	LS	\$35,000.00	\$35,000.00	
5	CONTROLS, INSTRUMENTATION AND SCADA	1	LS	\$20,000.00	\$20,000.00	
6	MISCELLANEOUS UTILITY ALLOWANCE	1	LS	\$8,000.00	\$8,000.00	
	SUBTOTAL					
					\$129,500.00	
1	CONTINGEN	ICY (20%)			\$25,900.00	
	S	UBTOTAL[			\$155,400.00	
	ENGINEERING/				\$26,418.00	
L	TOTAL PROJECTED CONSTRUCTION COST				\$181,818.00	
	PROJECTED COST ATTRIBUTABLE TO DEVELOPMENT (100%)					
					\$181,818.00	

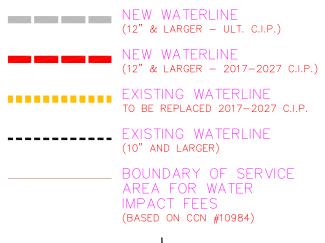


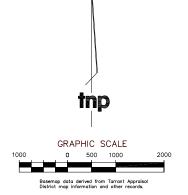


### CAPITAL IMPROVEMENTS PLAN WATER DISTRIBUTION SYSTEM

IMPACT FEE UPDATE (2017-2027 C.I.P.)

### **LEGEND**





DECEMBER 2017



teague nall & perkins
5237 N. Riverside Drive, Suite 100
Fort Worth, Texas 76137
817.336.5773 ph 817.336.2813 fx
TBPE Reg No. F-230;
TBPLS: 10011600, 10011601, 10194381

## CAPITAL IMPROVEMENTS FOR WASTEWATER IMPACT FEES

### CITY OF CROWLEY

### SUMMARY OF 2017-2027 WASTEWATER CAPITAL IMPROVEMENT CONSTRUCTION COSTS

Line No	Improvement	New Construction Cost	Development Construction Cost
1	Line A	\$42,366	\$42,366
2	Line A-1	\$377,653	\$0
3	Line A-2	\$ 46,074	\$ 46,074
4	Line A-3	\$ 149,995	\$149,995
5	Line AA	\$ 195,100	\$195,100
6	Line B	\$ 733,961	\$0
7	Line C	\$ 238,033	\$ 238,033
8	Line E	\$ 287,141	\$ 287,141
9	Line EE	\$ 724,510	\$ 724,510
10	Line EEE	\$ 1,748,620	\$1,748,620
11	Line F	<u>\$ 222,925</u>	\$ 222,925
Total Wast Improvem	ewater ents to Year 2027	\$4,766,380	\$3,654,765

**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

**DECEMBER 2017** 

## CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

**Project: WASTEWATER IMPROVEMENTS** 

Description: 36" LINE 'A' - 1205 LF (Joint Project w/Fort Worth)

			ř		
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
1	PARKWAY PREPARATION	11	LS	\$6,025.00	\$6,025.00
2	36" FIBERGLASS SEWER PIPE (10'-14' DEEP)	1,205	LF	\$325.00	\$391,625.00
3	6' DIA. SEWER MANHOLE	4	EA	\$6,500.00	\$26,000.00
4	EXTRA DEPTH FOR SSMH (>6')	70	VF	\$260.00	\$18,200.00
5	CONNECT TO EXIST SYSTEM	2	EA	\$1,200.00	\$2,400.00
6	REMOVE EXIST SEWER MANHOLE	4	EA	\$1,500.00	\$6,000.00
7	TRENCH SAFETY FOR SAN SEWER INSTALLATION	1,265	LF	\$3.00	\$3,795.00
8	WATERTIGHT MANHOLE INSERT	5	EA	\$32.00	\$160.00
9	TOP SOIL & HYDROMULCH	1,340	SY	\$7.00	\$9,380.00
10	TELEVISION INSPECTION	1,265	LF	\$3.00	\$3,795.00
11	TEMP. EROSION CONTROL	1	LS	\$8,000.00	\$8,000.00
12	MISCELLANEOUS RESTORATION				
	AND ADJUSTMENTS	1	LS	\$10,000.00	\$10,000.00
	S	UBTOTAL			\$485,380.00
	"				
	CONTINGEN	NCY (15%)			\$72,807.00
	S	UBTOTAL			\$558,187.00
	ENGINEERING	/SURVEY			\$83,728.05
	TOTAL PROJECTED CONSTRUCT	ON COST			\$641,915.05
TOTAL PROJECTED CROWLEY COSTS (6.6%)				\$42,366.39	
PROJECTED COST ATTRIBUTABLE TO DEVELOPMENT (100%)					\$42,366.39
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**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

DECEMBER 2017

# CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

Project: WASTEWATER IMPROVEMENTS

Description: 10" LINE 'A-1' - 1320 LF

2       REMOVE EXIST SEWER MANHOLES       5       LF       \$1,500.00       \$7,500.00         3       10" SDR-26 PVC SEWER PIPE (ALL DEPTHS)       1,320       LF       \$125.00       \$165,000.00         4       8" SDR-35 PVC SEWER PIPE (ALL DEPTHS)       100       LF       \$48.00       \$4,800.00         5       5" DIA. SEWER MANHOLE       6       EA       \$5,000.00       \$30,000.00         6       EXTRA DEPTH FOR SSMH (>6')       60       VF       \$260.00       \$15,600.00         7       4" SANITARY SEWER SERVICE CONNECTION       20       EA       \$900.00       \$18,000.00         8       CONNECT TO EXIST SYSTEM       1       LF       \$1,200.00       \$1,200.00         9       TRENCH SAFETY FOR SAN SEWER INSTALLATION       1,420       LF       \$3.00       \$4,260.00         10       WATERTIGHT MANHOLE INSERT       2       EA       \$32.00       \$64.00         11       TOP SOIL & HYDROMULCH       1,468       SY       \$7.00       \$10,276.00         12       TELEVISION INSPECTION       1       LS       \$8,000.00       \$8,000.00         13       TEMP EROSION CONTROL       1       LS       \$10,000.00       \$285,560.00         CONTINGENCY (15%)<						
2 REMOVE EXIST SEWER MANHOLES 5 LF \$1,500.00 \$7,500.00 3 10" SDR-26 PVC SEWER PIPE (ALL DEPTHS) 1,320 LF \$125.00 \$165,000.00 4 8" SDR-35 PVC SEWER PIPE (ALL DEPTHS) 100 LF \$48.00 \$4,800.00 5 5" DIA. SEWER MANHOLE 6 EA \$5,000.00 \$30,000.00 6 EXTRA DEPTH FOR SSMH (>6') 60 VF \$260.00 \$15,600.00 7 4" SANITARY SEWER SERVICE CONNECTION 20 EA \$900.00 \$1,200.00 9 TRENCH SAFETY FOR SAN SEWER INSTALLATION 1,420 LF \$3.00 \$4,260.00 10 WATERTIGHT MANHOLE INSERT 2 EA \$32.00 \$64.00 11 TOP SOIL & HYDROMULCH 1,468 SY \$7.00 \$10,276.00 12 TELEVISION INSPECTION 1,420 LF \$3.00 \$4,260.00 13 TEMP EROSION CONTROL 1 LS \$8,000.00 \$8,000.00 14 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$10,000.00	ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
10" SDR-26 PVC SEWER PIPE (ALL DEPTHS)	1	PARKWAY PREPARATION	1	LS	\$6,600.00	\$6,600.00
4 8" SDR-35 PVC SEWER PIPE (ALL DEPTHS) 5 5' DIA. SEWER MANHOLE 6 EXTRA DEPTH FOR SSMH (>6') 6 EXTRA DEPTH FOR SSMH (>6') 7 4" SANITARY SEWER SERVICE CONNECTION 8 CONNECT TO EXIST SYSTEM 9 TRENCH SAFETY FOR SAN SEWER INSTALLATION 10 WATERTIGHT MANHOLE INSERT 1 TOP SOIL & HYDROMULCH 11 TOP SOIL & HYDROMULCH 12 TELEVISION INSPECTION 11 TEMP EROSION CONTROL 12 TEMP EROSION CONTROL 13 TEMP EROSION CONTROL 14 MISCELLANEOUS RESTORATION 15 SUBTOTAL 16 ENGINEERING/SURVEY 17 CONTINGENCY (15%) 18 SUBTOTAL 29 EN \$48.00 19 \$4,800.00 10 \$4,800.00 11 \$1,200.00 12 \$1,200.00 13 TEMP EROSION CONTROL 14 S\$1,000.00 15 \$10,000.00 16 \$10,000.00 17 \$285,560.00 18 \$10,000.00 19 \$10,000.00 10 \$10,000.00 11 \$10,000.00 11 \$10,000.00 11 \$10,000.00 12 \$10,000.00 13 \$10,000.00 14 SUBTOTAL 20 \$10,000.00 21 \$10,000.00 21 \$10,000.00 22 \$10,000.00 23 \$10,000.00 24 \$10,000.00 25 \$10,000.00 26 \$10,000.00 27 \$10,000.00 28 \$10,000.00 20 \$10,000.00 2	2	REMOVE EXIST SEWER MANHOLES	5	LF	\$1,500.00	\$7,500.00
5 5' DIA. SEWER MANHOLE 6 EA \$5,000.00 \$30,000.00 6 EXTRA DEPTH FOR SSMH (>6') 60 VF \$260.00 \$15,600.00 7 4" SANITARY SEWER SERVICE CONNECTION 20 EA \$900.00 \$18,000.00 8 CONNECT TO EXIST SYSTEM 1 LF \$1,200.00 \$1,200.00 9 TRENCH SAFETY FOR SAN SEWER INSTALLATION 1,420 LF \$3.00 \$4,260.00 10 WATERTIGHT MANHOLE INSERT 2 EA \$32.00 \$64.00 11 TOP SOIL & HYDROMULCH 1,468 SY \$7.00 \$10,276.00 12 TELEVISION INSPECTION 1,420 LF \$3.00 \$4,260.00 13 TEMP EROSION CONTROL 1 LS \$8,000.00 \$8,000.00 14 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$10,000.00 \$10,000.00  CONTINGENCY (15%) SUBTOTAL \$285,560.00  CONTINGENCY (15%) SUBTOTAL \$328,394.00  ENGINEERING/SURVEY \$49,259.10	3	10" SDR-26 PVC SEWER PIPE (ALL DEPTHS)	1,320	LF	\$125.00	\$165,000.00
6 EXTRA DEPTH FOR SSMH (>6') 60 VF \$260.00 \$15,600.00 7 4" SANITARY SEWER SERVICE CONNECTION 20 EA \$900.00 \$18,000.00 8 CONNECT TO EXIST SYSTEM 1 LF \$1,200.00 \$1,200.00 9 TRENCH SAFETY FOR SAN SEWER INSTALLATION 1,420 LF \$3.00 \$4,260.00 10 WATERTIGHT MANHOLE INSERT 2 EA \$32.00 \$64.00 11 TOP SOIL & HYDROMULCH 1,468 SY \$7.00 \$10,276.00 12 TELEVISION INSPECTION 1,420 LF \$3.00 \$4,260.00 13 TEMP EROSION CONTROL 1 LS \$8,000.00 \$8,000.00 14 MISCELLANEOUS RESTORATION	4	8" SDR-35 PVC SEWER PIPE (ALL DEPTHS)	100	LF	\$48.00	\$4,800.00
7 4" SANITARY SEWER SERVICE CONNECTION 20 EA \$900.00 \$18,000.00 8 CONNECT TO EXIST SYSTEM 1 LF \$1,200.00 \$1,200.00 9 TRENCH SAFETY FOR SAN SEWER INSTALLATION 1,420 LF \$3.00 \$4,260.00 10 WATERTIGHT MANHOLE INSERT 2 EA \$32.00 \$64.00 11 TOP SOIL & HYDROMULCH 1,468 SY \$7.00 \$10,276.00 12 TELEVISION INSPECTION 1,420 LF \$3.00 \$4,260.00 13 TEMP EROSION CONTROL 1 LS \$8,000.00 \$8,000.00 14 MISCELLANEOUS RESTORATION 1 LS \$10,000.00 \$10,000.00 SUBTOTAL \$285,560.00  CONTINGENCY (15%) \$42,834.00 SUBTOTAL \$328,394.00 ENGINEERING/SURVEY \$49,259.10	5	5' DIA. SEWER MANHOLE	6	EA	\$5,000.00	\$30,000.00
8 CONNECT TO EXIST SYSTEM 1 LF \$1,200.00 \$1,200.00 9 TRENCH SAFETY FOR SAN SEWER INSTALLATION 1,420 LF \$3.00 \$4,260.00 10 WATERTIGHT MANHOLE INSERT 2 EA \$32.00 \$64.00 11 TOP SOIL & HYDROMULCH 1,468 SY \$7.00 \$10,276.00 12 TELEVISION INSPECTION 1,420 LF \$3.00 \$4,260.00 13 TEMP EROSION CONTROL 1 LS \$8,000.00 \$8,000.00 14 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$10,000.00 \$10,000.00 SUBTOTAL \$285,560.00 SUBTOTAL \$328,394.00 SUBTOTAL SUBTOTA	6	EXTRA DEPTH FOR SSMH (>6')	60	VF	\$260.00	\$15,600.00
9 TRENCH SAFETY FOR SAN SEWER INSTALLATION 1,420 LF \$3.00 \$4,260.00 10 WATERTIGHT MANHOLE INSERT 2 EA \$32.00 \$64.00 11 TOP SOIL & HYDROMULCH 1,468 SY \$7.00 \$10,276.00 12 TELEVISION INSPECTION 1,420 LF \$3.00 \$4,260.00 13 TEMP EROSION CONTROL 1 LS \$8,000.00 \$8,000.00 14 MISCELLANEOUS RESTORATION	7	4" SANITARY SEWER SERVICE CONNECTION	20	EA	\$900.00	\$18,000.00
10 WATERTIGHT MANHOLE INSERT 2 EA \$32.00 \$64.00 11 TOP SOIL & HYDROMULCH 1,468 SY \$7.00 \$10,276.00 12 TELEVISION INSPECTION 1,420 LF \$3.00 \$4,260.00 13 TEMP EROSION CONTROL 1 LS \$8,000.00 \$8,000.00 14 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$10,000.00 \$10,000.00  SUBTOTAL  CONTINGENCY (15%) SUBTOTAL ENGINEERING/SURVEY TOTAL PROJECTED CONSTRUCTION COST \$377,653.10	8	CONNECT TO EXIST SYSTEM	1	LF	\$1,200.00	\$1,200.00
11   TOP SOIL & HYDROMULCH	9	TRENCH SAFETY FOR SAN SEWER INSTALLATION	1,420	LF	\$3.00	\$4,260.00
TELEVISION INSPECTION	10	WATERTIGHT MANHOLE INSERT	2	EA	\$32.00	\$64.00
TEMP EROSION CONTROL   1	11	TOP SOIL & HYDROMULCH	1,468	SY	\$7.00	\$10,276.00
14         MISCELLANEOUS RESTORATION         1         LS         \$10,000.00         \$10,000.00           SUBTOTAL         \$285,560.00           CONTINGENCY (15%)         \$42,834.00           SUBTOTAL         \$328,394.00           ENGINEERING/SURVEY         \$49,259.10           TOTAL PROJECTED CONSTRUCTION COST         \$377,653.10	12	TELEVISION INSPECTION	1,420	LF	\$3.00	\$4,260.00
AND ADJUSTMENTS  SUBTOTAL  CONTINGENCY (15%) SUBTOTAL SUBTOTAL SUBTOTAL SUBTOTAL SUBTOTAL SUBTOTAL SUBTOTAL SUBTOTAL ENGINEERING/SURVEY TOTAL PROJECTED CONSTRUCTION COST \$328,394.00 \$49,259.10 \$377,653.10	13	TEMP EROSION CONTROL	1	LS	\$8,000.00	\$8,000.00
SUBTOTAL   \$285,560.00	14	MISCELLANEOUS RESTORATION				
CONTINGENCY (15%) \$42,834.00  SUBTOTAL \$328,394.00  ENGINEERING/SURVEY \$49,259.10  TOTAL PROJECTED CONSTRUCTION COST \$377,653.10		AND ADJUSTMENTS	1	LS	\$10,000.00	\$10,000.00
SUBTOTAL         \$328,394.00           ENGINEERING/SURVEY         \$49,259.10           TOTAL PROJECTED CONSTRUCTION COST         \$377,653.10		S	UBTOTAL			\$285,560.00
SUBTOTAL         \$328,394.00           ENGINEERING/SURVEY         \$49,259.10           TOTAL PROJECTED CONSTRUCTION COST         \$377,653.10						
ENGINEERING/SURVEY \$49,259.10  TOTAL PROJECTED CONSTRUCTION COST \$377,653.10		CONTINGEN	ICY (15%)			\$42,834.00
TOTAL PROJECTED CONSTRUCTION COST \$377,653.10		S	UBTOTAL			\$328,394.00
		ENGINEERING	/SURVEY			\$49,259.10
PROJECTED COST ATTRIBUTABLE TO DEVELOPMENT (0%) \$0.00		TOTAL PROJECTED CONSTRUCTI	ON COST			\$377,653.10
PROJECTED COST ATTRIBUTABLE TO DEVELOPMENT (0%) \$0.00						
		PROJECTED COST ATTRIBUTABLE TO DEV	ELOPMEN	IT (0%)		\$0.00

**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

**DECEMBER 2017** 

# CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

**Project: WASTEWATER IMPROVEMENTS** 

Description: 36" LINE 'A-2' - 1350 LF (Joint Project w/Fort Worth)

2 36" FIBERGLASS SEWER PIPE 1,350 LF \$325.00 \$438,750.00 3 8" SDR-26 PVC SEWER PIPE (ALL DEPTHS) 40 LF \$48.00 \$1,920.00 4 6' DIA. SEWER MANHOLE 3 EAX \$6,500.00 \$19,500.00 5 EXTRA DEPTH FOR SSMH (>6') 35 VF \$260.00 \$9,100.00 6 REMOVE EXIST SEWER MANHOLE 5 EA \$1,500.00 \$7,500.00 7 CONNECT TO EXIST SYSTEM 5 EA \$1,500.00 \$7,500.00 8 TRENCH SAFETY FOR SAN SEWER INSTALLATION 1,390 LF \$3.00 \$4,170.00 9 TOP SOIL & HYDROMULCH 1,500 SY \$7.00 \$10,500.00 10 TELEVISION INSPECTION 1,390 LF \$3.00 \$4,170.00 11 TEMP. EROSION CONTROL 1 LS \$8,000.00 \$8,000.00 12 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$10,000.00 \$10,000.00  CONTINGENCY (15%) SUBTOTAL ENGINEERING/SURVEY \$91,055.85  TOTAL PROJECTED CONSTRUCTION COST \$698,094.85						<del>2-</del> -
2 36" FIBERGLASS SEWER PIPE 1,350 LF \$325.00 \$438,750.00 3 8" SDR-26 PVC SEWER PIPE (ALL DEPTHS) 40 LF \$48.00 \$1,920.00 4 6' DIA. SEWER MANHOLE 3 EA \$6,500.00 \$19,500.00 5 EXTRA DEPTH FOR SSMH (>6') 35 VF \$260.00 \$9,100.00 6 REMOVE EXIST SEWER MANHOLE 5 EA \$1,500.00 \$7,500.00 7 CONNECT TO EXIST SYSTEM 5 EA \$1,500.00 \$7,500.00 8 TRENCH SAFETY FOR SAN SEWER INSTALLATION 1,390 LF \$3.00 \$4,170.00 9 TOP SOIL & HYDROMULCH 1,500 SY \$7.00 \$10,500.00 10 TELEVISION INSPECTION 1,390 LF \$3.00 \$4,170.00 11 TEMP. EROSION CONTROL 1 LS \$8,000.00 \$8,000.00 12 MISCELLANEOUS RESTORATION	ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
3 8" SDR-26 PVC SEWER PIPE (ALL DEPTHS) 40 LF \$48.00 \$1,920.00 4 6' DIA. SEWER MANHOLE 3 EA \$6,500.00 \$19,500.00 5 EXTRA DEPTH FOR SSMH (>6') 35 VF \$260.00 \$9,100.00 6 REMOVE EXIST SEWER MANHOLE 5 EA \$1,500.00 \$7,500.00 7 CONNECT TO EXIST SYSTEM 5 EA \$1,500.00 \$7,500.00 8 TRENCH SAFETY FOR SAN SEWER INSTALLATION 1,390 LF \$3.00 \$4,170.00 9 TOP SOIL & HYDROMULCH 1,500 SY \$7.00 \$10,500.00 10 TELEVISION INSPECTION 1,390 LF \$3.00 \$4,170.00 11 TEMP. EROSION CONTROL 1 LS \$8,000.00 \$8,000.00 12 MISCELLANEOUS RESTORATION 1 LS \$10,000.00 \$10,000.00	1	PARKWAY PREPARATION	1	LS	\$6,750.00	\$6,750.00
4 6' DIA. SEWER MANHOLE 3 EA \$6,500.00 \$19,500.00 5 EXTRA DEPTH FOR SSMH (>6') 35 VF \$260.00 \$9,100.00 6 REMOVE EXIST SEWER MANHOLE 5 EA \$1,500.00 \$7,500.00 7 CONNECT TO EXIST SYSTEM 5 EA \$1,500.00 \$7,500.00 8 TRENCH SAFETY FOR SAN SEWER INSTALLATION 1,390 LF \$3.00 \$4,170.00 9 TOP SOIL & HYDROMULCH 1,500 SY \$7.00 \$10,500.00 10 TELEVISION INSPECTION 1,390 LF \$3.00 \$4,170.00 11 TEMP. EROSION CONTROL 1 LS \$8,000.00 \$8,000.00 12 MISCELLANEOUS RESTORATION 1 LS \$10,000.00 \$10,000.00	2	36" FIBERGLASS SEWER PIPE	1,350	LF	\$325.00	\$438,750.00
5 EXTRA DEPTH FOR SSMH (>6') 35 VF \$260.00 \$9,100.00 6 REMOVE EXIST SEWER MANHOLE 5 EA \$1,500.00 \$7,500.00 7 CONNECT TO EXIST SYSTEM 5 EA \$1,500.00 \$7,500.00 8 TRENCH SAFETY FOR SAN SEWER INSTALLATION 1,390 LF \$3.00 \$4,170.00 9 TOP SOIL & HYDROMULCH 1,500 SY \$7.00 \$10,500.00 10 TELEVISION INSPECTION 1,390 LF \$3.00 \$4,170.00 11 TEMP. EROSION CONTROL 1 LS \$8,000.00 \$8,000.00 12 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$10,000.00 \$10,000.00  CONTINGENCY (15%) \$79,179.00 \$10,000.00  ENGINEERING/SURVEY \$91,055.85  TOTAL PROJECTED CROWLEY COSTS (6.6%) \$46,074.26	3	8" SDR-26 PVC SEWER PIPE (ALL DEPTHS)	40	LF	\$48.00	\$1,920.00
6 REMOVE EXIST SEWER MANHOLE 5 EA \$1,500.00 \$7,500.00 7 CONNECT TO EXIST SYSTEM 5 EA \$1,500.00 \$7,500.00 8 TRENCH SAFETY FOR SAN SEWER INSTALLATION 1,390 LF \$3.00 \$4,170.00 9 TOP SOIL & HYDROMULCH 1,500 SY \$7.00 \$10,500.00 10 TELEVISION INSPECTION 1,390 LF \$3.00 \$4,170.00 11 TEMP. EROSION CONTROL 1 LS \$8,000.00 \$8,000.00 12 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$10,000.00 \$10,000.00  CONTINGENCY (15%) \$79,179.00 \$10,000.00  CONTINGENCY (15%) \$79,179.00 \$10,000.00  ENGINEERING/SURVEY \$91,055.85  TOTAL PROJECTED CONSTRUCTION COST \$698,094.85	4	6' DIA. SEWER MANHOLE	3	EA	\$6,500.00	\$19,500.00
7 CONNECT TO EXIST SYSTEM 5 EA \$1,500.00 \$7,500.00 8 TRENCH SAFETY FOR SAN SEWER INSTALLATION 1,390 LF \$3.00 \$4,170.00 9 TOP SOIL & HYDROMULCH 1,500 SY \$7.00 \$10,500.00 10 TELEVISION INSPECTION 1,390 LF \$3.00 \$4,170.00 11 TEMP. EROSION CONTROL 1 LS \$8,000.00 \$8,000.00 12 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$10,000.00	5	EXTRA DEPTH FOR SSMH (>6')	35	VF	\$260.00	\$9,100.00
8 TRENCH SAFETY FOR SAN SEWER INSTALLATION 1,390 LF \$3.00 \$4,170.00 9 TOP SOIL & HYDROMULCH 1,500 SY \$7.00 \$10,500.00 10 TELEVISION INSPECTION 1,390 LF \$3.00 \$4,170.00 11 TEMP. EROSION CONTROL 1 LS \$8,000.00 \$8,000.00 12 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$10,000.00 \$10,000.00  SUBTOTAL \$527,860.00  CONTINGENCY (15%) \$79,179.00 SUBTOTAL \$607,039.00 ENGINEERING/SURVEY \$91,055.85 TOTAL PROJECTED CONSTRUCTION COST \$698,094.85	6	REMOVE EXIST SEWER MANHOLE	5	EA	\$1,500.00	\$7,500.00
9 TOP SOIL & HYDROMULCH 1,500 SY \$7.00 \$10,500.00 10 TELEVISION INSPECTION 1,390 LF \$3.00 \$4,170.00 11 TEMP. EROSION CONTROL 1 LS \$8,000.00 \$8,000.00 12 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$10,000.00 \$10,000.00  SUBTOTAL  CONTINGENCY (15%) SUBTOTAL ENGINEERING/SURVEY TOTAL PROJECTED CONSTRUCTION COST  TOTAL PROJECTED CROWLEY COSTS (6.6%) \$46,074.26	7	CONNECT TO EXIST SYSTEM	5	EA	\$1,500.00	\$7,500.00
TELEVISION INSPECTION	8	TRENCH SAFETY FOR SAN SEWER INSTALLATION	1,390	LF	\$3.00	\$4,170.00
TEMP. EROSION CONTROL   1	9	TOP SOIL & HYDROMULCH	1,500	SY	\$7.00	\$10,500.00
12   MISCELLANEOUS RESTORATION	10	TELEVISION INSPECTION	1,390	LF	\$3.00	\$4,170.00
AND ADJUSTMENTS  SUBTOTAL  CONTINGENCY (15%) SUBTOTAL SUBTOTAL SUBTOTAL SUBTOTAL ENGINEERING/SURVEY TOTAL PROJECTED CONSTRUCTION COST  TOTAL PROJECTED CROWLEY COSTS (6.6%)  S10,000.00 \$10,000.00 \$10,000.00 \$527,860.00 \$79,179.00 \$607,039.00 \$91,055.85 \$698,094.85	11	TEMP. EROSION CONTROL	1	LS	\$8,000.00	\$8,000.00
SUBTOTAL   \$527,860.00	12	MISCELLANEOUS RESTORATION				
CONTINGENCY (15%) \$79,179.00  SUBTOTAL \$607,039.00  ENGINEERING/SURVEY \$91,055.85  TOTAL PROJECTED CONSTRUCTION COST \$698,094.85  TOTAL PROJECTED CROWLEY COSTS (6.6%) \$46,074.26		AND ADJUSTMENTS	1	LS	\$10,000.00	\$10,000.00
SUBTOTAL \$607,039.00 ENGINEERING/SURVEY \$91,055.85 TOTAL PROJECTED CONSTRUCTION COST \$698,094.85  TOTAL PROJECTED CROWLEY COSTS (6.6%) \$46,074.26		S	UBTOTAL			\$527,860.00
SUBTOTAL \$607,039.00 ENGINEERING/SURVEY \$91,055.85 TOTAL PROJECTED CONSTRUCTION COST \$698,094.85  TOTAL PROJECTED CROWLEY COSTS (6.6%) \$46,074.26						
ENGINEERING/SURVEY \$91,055.85 TOTAL PROJECTED CONSTRUCTION COST \$698,094.85  TOTAL PROJECTED CROWLEY COSTS (6.6%) \$46,074.26		CONTINGEN	ICY (15%)			\$79,179.00
TOTAL PROJECTED CONSTRUCTION COST \$698,094.85  TOTAL PROJECTED CROWLEY COSTS (6.6%) \$46,074.26		S	UBTOTAL			\$607,039.00
TOTAL PROJECTED CROWLEY COSTS (6.6%) \$46,074.26		ENGINEERING	/SURVEY			\$91,055.85
		TOTAL PROJECTED CONSTRUCT	ON COST			\$698,094.85
PROJECTED COST ATTRIBUTABLE TO DEVELOPMENT (100%) \$46,074.26		TOTAL PROJECTED CROWL	EY COSTS	(6.6%)		\$46,074.26
PROJECTED COST ATTRIBUTABLE TO DEVELOPMENT (100%) \$46,074.26						
		PROJECTED COST ATTRIBUTABLE TO DEVEL	OPMENT	(100%)		\$46,074.26

**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

DECEMBER 2017

# CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

**Project: WASTEWATER IMPROVEMENTS** 

Description: 21" LINE 'A-3' - 2470 LF (Joint Project w/Fort Worth)

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
1	PARKWAY PREPARATION	1	LS	\$12,350.00	\$12,350.00
2	21" SDR-26 PVC SEWER PIPE (6'-10' DEEP)	2,470	LF	\$250.00	\$617,500.00
3	8" SDR-26 PVC SEWER PIPE (ALL DEPTHS)	120	LF	\$48.00	\$5,760.00
4	5' DIA. SEWER MANHOLE	5	EA	\$5,000.00	\$25,000.00
5	EXTRA DEPTH FOR SSMH (>6')	22	VF	\$260.00	\$5,720.00
6	REMOVE EXIST SEWER MANHOLE	10	EA	\$1,500.00	\$15,000.00
7	CONNECT TO EXIST SYSTEM	2	_EA	\$1,200.00	\$2,400.00
8	TRENCH SAFETY FOR SAN SEWER INSTALLATION	2,590	LF	\$3.00	\$7,770.00
9	TOP SOIL & HYDROMULCH	2,744	SY	\$7.00	\$19,208.00
10	TELEVISION INSPECTION	2,590	LF	\$3.00	\$7,770.00
11	TEMP. EROSION CONTROL	1	LS	\$8,000.00	\$8,000.00
12	MISCELLANEOUS RESTORATION				
	AND ADJUSTMENTS	1	LS	\$10,000.00	\$10,000.00
	S	UBTOTAL			\$736,478.00
	CONTINGEN	ICY (15%)			\$110,471.70
l	S	UBTOTAL			\$846,949.70
l	ENGINEERING	/SURVEY			\$127,042.46
	TO	TAL COST			\$973,992.16
	TOTAL PROJECTED CROWLE	Y COSTS (	15.4%)		\$149,994.79
	PROJECTED COST ATTRIBUTABLE TO DEVEL	OPMENT	(100%)		\$149,994.79

**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

**DECEMBER 2017** 

# CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

**Project: WASTEWATER IMPROVEMENTS** 

Description: 42" LINE 'AA' - 4,300 LF (Joint Project w/Fort Worth)

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
1	PARKWAY PREPARATION	1	LS	\$21,500.00	\$21,500.00
_2	42" FIBERGLASS SEWER PIPE (>14' DEEP)	4,300	LF	\$380.00	\$1,634,000.00
3	10" SDR-35 PVC SEWER PIPE (>14' DEEP)	80	LF	\$125.00	\$10,000.00
4	5' TYPE A SANITARY SEWER JUNCTION STRUCTURE	9	EA	\$12,500.00	\$112,500.00
5	REMOVE EXIST SEWER MANHOLE	6	EA	\$1,500.00	\$9,000.00
6	CONNECT TO EXIST SYSTEM	2	EA	\$1,200.00	\$2,400.00
7	TRENCH SAFETY FOR SAN SEWER INSTALLATION	4,380	LF	\$8.00	\$35,040.00
8	WATERTIGHT MANHOLE INSERT	9	EA	\$32.00	\$288.00
9	TOP SOIL & HYDROMULCH	4,780	SY	\$7.00	\$33,460.00
10	TELEVISION INSPECTION	4,380	LF	\$3.00	\$13,140.00
11	TEMP. EROSION CONTROL	1	LS	\$10,000.00	\$10,000.00
12	MISCELLANEOUS RESTORATION				
	AND ADJUSTMENTS	1	LS	\$10,000.00	\$10,000.00
	SUBTOTAL		_		\$1,891,328.00
	CONTINGEN	ICY (15%)			\$283,699.20
	S	UBTOTAL			\$2,175,027.20
	ENGINEERING	SURVEY			\$326,254.08
	TOTAL PROJECTED CONSTRUCTI	ON COST			\$2,501,281.28
	TOTAL PROJECTED CROWLI	EY COSTS	(7.8%)		\$195,099.94
					· .
	PROJECTED COST ATTRIBUTABLE TO DEVEL	OPMENT	(100%)		\$195,099.94

**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

**DECEMBER 2017** 

# CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

**Project: WASTEWATER IMPROVEMENTS** 

Description: 10" LINE 'B' - 2680 LF

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
1	PARKWAY PREPARATION	1	LS	\$13,400.00	\$13,400.00
2	10" SDR-26 PVC SEWER PIPE (10'-14' DEEP)	2180	LF	\$175.00	\$381,500.00
3	10" SDR-35 PVC SEWER PIPE (6'-10' DEEP)	500	LF	\$85.00	\$42,500.00
4	8" SDR-35 PVC SEWER PIPE (ALL DEPTHS)	80	LF	\$45.00	\$3,600.00
5	5' DIA. SEWER MANHOLE	6	EA	\$5,000.00	\$30,000.00
6	EXTRA DEPTH FOR SSMH (>6')	50	VF	\$260.00	\$13,000.00
7	CONNECT TO EXIST SYSTEM	2	EA	\$1,200.00	\$2,400.00
8	TRENCH SAFETY FOR SAN SEWER INSTALLATION	2,760	LF	\$3.00	\$8,280.00
9	WATERTIGHT MANHOLE INSERT	5	EA	\$32.00	\$160.00
10	HMAC PAVEMENT REPAIR	70	LF	\$50.00	\$3,500.00
11	REMOVE EXIST SSMH	5	EA	\$1,500.00	\$7,500.00
12	TOP SOIL & HYDROMULCH	2,980	SY	\$7.00	\$20,860.00
13	TELEVISION INSPECTION	2,760	LF	\$3.00	\$8,280.00
14	TEMP. EROSION CONTROL	1	LS	\$10,000.00	\$10,000.00
15	MISCELLANEOUS RESTORATION				**
	AND ADJUSTMENTS	1	LS	\$10,000.00	\$10,000.00
	SUBTOTAL				\$554,980.00
	CONTINGEN	ICY (15%)			\$83,247.00
	S	UBTOTAL			\$638,227.00
	ENGINEERING	/SURVEY			\$95,734.05
	TOTAL PROJECTED CONSTRUCTI	ON COST			\$733,961.05
	PROJECTED COST ATTRIBUTABLE TO DEV	ELOPMEN	IT (0%)		\$0.00

**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

**DECEMBER 2017** 

# CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

**Project: WASTEWATER IMPROVEMENTS** 

Description: 42" LINE 'C' - 3095 LF (Joint Project w/Fort Worth)

		-			
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
1	PARKWAY PREPARATION	1	LS	\$15,175.00	\$15,175.00
2	42" FIBERGLASS SEWER PIPE	3,095	LF	\$425.00	\$1,315,375.00
3	10" SDR-35 PVC SEWER PIPE (ALL DEPTHS)	40	LF	\$175.00	\$7,000.00
4	5' TYPE A MANHOLE	7	EA	\$12,500.00	\$87,500.00
5	EXTRA DEPTH FOR SSMH (>6')	70	VF	\$260.00	\$18,200.00
6	CONNECT TO EXIST SYSTEM	5	LF	\$1,200.00	\$6,000.00
7	TRENCH SAFETY FOR SAN SEWER INSTALLATION	3,135	LF	\$8.00	\$25,080.00
8	WATERTIGHT MANHOLE INSERT	7	EA	\$32.00	\$224.00
9	HMAC PAVEMENT REPAIR	20	LF	\$50.00	\$1,000.00
10	REMOVE EXIST SSMH	6	EA	\$1,500.00	\$9,000.00
11	TOP SOIL & HYDROMULCH	3,485	SY	\$7.00	\$24,395.00
12	TELEVISION INSPECTION	3,135	LF	\$3.00	\$9,405.00
13	TEMP. EROSION CONTROL	1	LS	\$10,000.00	\$10,000.00
14	MISCELLANEOUS RESTORATION				
	AND ADJUSTMENTS	1	LS	\$10,000.00	\$10,000.00
	SUBTOTAL				\$1,538,354.00
	CONTINGEN	ICY (15%)			\$230,753.10
	SI	UBTOTAL			\$1,769,107.10
	ENGINEERING/	SURVEY			\$265,366.07
	TOTAL PROJECTED CONSTRUCTION	ON COST			\$2,034,473.17
	TOTAL PROJECTED CROWLE	Y COSTS (	11.7%)		\$238,033.36
	PROJECTED COST ATTRIBUTABLE TO DEVEL	OPMENT	(100%)		\$238,033.36
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**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

**DECEMBER 2017** 

# CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

Project : WASTEWATER IMPROVEMENTS

**Description: 15" LINE 'E' - 1,575 LF** 

2       15" SDR-35 PVC SEWER PIPE (6'-10' DEEP)       1,575       LF       \$65.00       \$102,375.00         3       8" SDR-35 PVC SEWER PIPE (ALL DEPTHS)       150       LF       \$38.00       \$5,700.00         4       5' DIA. SEWER MANHOLE       8       EA       \$5,000.00       \$40,000.00         5       EXTRA DEPTH FOR SSMH (>6')       6       VF       \$260.00       \$1,560.00         6       4" SANITARY SEWER SERVICE CONNECTION       17       EA       \$900.00       \$15,300.00         7       CONNECT TO EXIST SYSTEM       1       EA       \$1,200.00       \$1,200.00         8       TRENCH SAFETY FOR SAN SEWER INSTALLATION       1,725       LF       \$3.00       \$5,175.00         9       HMAC PAVEMENT REPAIR       100       LF       \$50.00       \$5,000.00         10       TOP SOIL & HYDROMULCH       1,805       SY       \$7.00       \$12,635.00         11       TELEVISION INSPECTION       1,725       LF       \$3.00       \$5,175.00         12       TEMPORARY EROSION CONTROL       1       LS       \$5,000.00       \$5,000.00         13       MISCELLANEOUS RESTORATION       1       LS       \$5,000.00       \$5,000.00						
2 15" SDR-35 PVC SEWER PIPE (6'-10' DEEP) 1,575 LF \$65.00 \$102,375.00 3 8" SDR-35 PVC SEWER PIPE (ALL DEPTHS) 150 LF \$38.00 \$5,700.00 4 5' DIA. SEWER MANHOLE 8 EA \$5,000.00 \$40,000.00 5 EXTRA DEPTH FOR SSMH (>6') 6 VF \$260.00 \$11,560.00 6 4" SANITARY SEWER SERVICE CONNECTION 17 EA \$900.00 \$15,300.00 7 CONNECT TO EXIST SYSTEM 1 EA \$1,200.00 \$1,200.00 8 TRENCH SAFETY FOR SAN SEWER INSTALLATION 1,725 LF \$3.00 \$5,175.00 9 HMAC PAVEMENT REPAIR 100 LF \$50.00 \$5,000.00 10 TOP SOIL & HYDROMULCH 1,805 SY \$7.00 \$12,635.00 11 TELEVISION INSPECTION 1,725 LF \$3.00 \$5,175.00 12 TEMPORARY EROSION CONTROL 1 LS \$5,000.00 \$5,000.00 13 MISCELLANEOUS RESTORATION	ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
S	1	PARKWAY PREPARATION	1	LS	\$8,000.00	\$8,000.00
4 5' DIA. SEWER MANHOLE 8 EA \$5,000.00 \$40,000.00 5 EXTRA DEPTH FOR SSMH (>6') 6 VF \$260.00 \$1,560.00 6 4" SANITARY SEWER SERVICE CONNECTION 17 EA \$900.00 \$15,300.00 7 CONNECT TO EXIST SYSTEM 1 EA \$1,200.00 \$1,200.00 8 TRENCH SAFETY FOR SAN SEWER INSTALLATION 1,725 LF \$3.00 \$5,175.00 9 HMAC PAVEMENT REPAIR 100 LF \$50.00 \$5,000.00 10 TOP SOIL & HYDROMULCH 1,805 SY \$7.00 \$12,635.00 11 TELEVISION INSPECTION 1,725 LF \$3.00 \$5,175.00 12 TEMPORARY EROSION CONTROL 1 LS \$5,000.00 \$5,000.00 13 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$10,000.00 \$10,000.00  SUBTOTAL ENGINEERING/SURVEY \$32,568.00 SUBTOTAL \$249,688.00 ENGINEERING/SURVEY \$37,453.20 TOTAL PROJECTED CONSTRUCTION COST \$287,141.20	2	15" SDR-35 PVC SEWER PIPE (6'-10' DEEP)	1,575	LF	\$65.00	\$102,375.00
5 EXTRA DEPTH FOR SSMH (>6') 6 VF \$260.00 \$1,560.00 6 4" SANITARY SEWER SERVICE CONNECTION 17 EA \$900.00 \$15,300.00 7 CONNECT TO EXIST SYSTEM 1 EA \$1,200.00 \$1,200.00 8 TRENCH SAFETY FOR SAN SEWER INSTALLATION 1,725 LF \$3.00 \$5,175.00 9 HMAC PAVEMENT REPAIR 100 LF \$50.00 \$5,000.00 10 TOP SOIL & HYDROMULCH 1,805 SY \$7.00 \$12,635.00 11 TELEVISION INSPECTION 1,725 LF \$3.00 \$5,175.00 12 TEMPORARY EROSION CONTROL 1 LS \$5,000.00 \$5,000.00 13 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$10,000.00 \$10,000.00 \$10,000.00 \$217,120.00 \$10,000	3	8" SDR-35 PVC SEWER PIPE (ALL DEPTHS)	150	LF	\$38.00	\$5,700.00
6 4" SANITARY SEWER SERVICE CONNECTION 17 EA \$900.00 \$15,300.00 7 CONNECT TO EXIST SYSTEM 1 EA \$1,200.00 \$1,200.00 8 TRENCH SAFETY FOR SAN SEWER INSTALLATION 1,725 LF \$3.00 \$5,175.00 9 HMAC PAVEMENT REPAIR 100 LF \$50.00 \$5,000.00 10 TOP SOIL & HYDROMULCH 1,805 SY \$7.00 \$12,635.00 11 TELEVISION INSPECTION 1,725 LF \$3.00 \$5,175.00 12 TEMPORARY EROSION CONTROL 1 LS \$5,000.00 \$5,000.00 13 MISCELLANEOUS RESTORATION 1 LS \$10,000.00 \$10,000.00 AND ADJUSTMENTS 1 LS \$10,000.00 \$10,000.00  CONTINGENCY (15%) \$32,568.00 SUBTOTAL \$249,688.00 ENGINEERING/SURVEY \$37,453.20 TOTAL PROJECTED CONSTRUCTION COST \$287,141.20	4	5' DIA. SEWER MANHOLE	8	EA	\$5,000.00	\$40,000.00
6 4" SANITARY SEWER SERVICE CONNECTION 17 EA \$900.00 \$15,300.00 7 CONNECT TO EXIST SYSTEM 1 EA \$1,200.00 \$1,200.00 8 TRENCH SAFETY FOR SAN SEWER INSTALLATION 1,725 LF \$3.00 \$5,175.00 9 HMAC PAVEMENT REPAIR 100 LF \$50.00 \$5,000.00 10 TOP SOIL & HYDROMULCH 1,805 SY \$7.00 \$12,635.00 11 TELEVISION INSPECTION 1,725 LF \$3.00 \$5,175.00 12 TEMPORARY EROSION CONTROL 1 LS \$5,000.00 \$5,000.00 13 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$10,000.00 \$10,000.00  SUBTOTAL \$217,120.00  CONTINGENCY (15%) \$32,568.00 SUBTOTAL \$249,688.00 ENGINEERING/SURVEY \$37,453.20 TOTAL PROJECTED CONSTRUCTION COST \$2287,141.20	5	EXTRA DEPTH FOR SSMH (>6')	6	VF	\$260.00	\$1,560.00
7         CONNECT TO EXIST SYSTEM         1         EA         \$1,200.00         \$1,200.00           8         TRENCH SAFETY FOR SAN SEWER INSTALLATION         1,725         LF         \$3.00         \$5,175.00           9         HMAC PAVEMENT REPAIR         100         LF         \$50.00         \$5,000.00           10         TOP SOIL & HYDROMULCH         1,805         SY         \$7.00         \$12,635.00           11         TELEVISION INSPECTION         1,725         LF         \$3.00         \$5,175.00           12         TEMPORARY EROSION CONTROL         1         LS         \$5,000.00         \$5,000.00           13         MISCELLANEOUS RESTORATION         1         LS         \$10,000.00         \$10,000.00           AND ADJUSTMENTS         1         LS         \$10,000.00         \$217,120.00           CONTINGENCY (15%)         \$32,568.00           SUBTOTAL         \$249,688.00           ENGINEERING/SURVEY         \$37,453.20           TOTAL PROJECTED CONSTRUCTION COST         \$287,141.20	6	4" SANITARY SEWER SERVICE CONNECTION	17	EA	\$900.00	\$15,300.00
8         TRENCH SAFETY FOR SAN SEWER INSTALLATION         1,725         LF         \$3.00         \$5,175.00           9         HMAC PAVEMENT REPAIR         100         LF         \$50.00         \$5,000.00           10         TOP SOIL & HYDROMULCH         1,805         SY         \$7.00         \$12,635.00           11         TELEVISION INSPECTION         1,725         LF         \$3.00         \$5,175.00           12         TEMPORARY EROSION CONTROL         1         LS         \$5,000.00         \$5,000.00           13         MISCELLANEOUS RESTORATION         1         LS         \$10,000.00         \$10,000.00           AND ADJUSTMENTS         1         LS         \$10,000.00         \$10,000.00           SUBTOTAL         \$217,120.00           CONTINGENCY (15%)         \$32,568.00           SUBTOTAL         \$249,688.00           ENGINEERING/SURVEY         \$37,453.20           TOTAL PROJECTED CONSTRUCTION COST         \$287,141.20	7	CONNECT TO EXIST SYSTEM	1	EA	\$1,200.00	\$1,200.00
9 HMAC PAVEMENT REPAIR 100 LF \$50.00 \$5,000.00 10 TOP SOIL & HYDROMULCH 1,805 SY \$7.00 \$12,635.00 11 TELEVISION INSPECTION 1,725 LF \$3.00 \$5,175.00 12 TEMPORARY EROSION CONTROL 1 LS \$5,000.00 \$5,000.00 13 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$10,000.00 \$10,000.00  SUBTOTAL  CONTINGENCY (15%) SUBTOTAL ENGINEERING/SURVEY TOTAL PROJECTED CONSTRUCTION COST \$287,141.20	8	TRENCH SAFETY FOR SAN SEWER INSTALLATION	1,725	LF	\$3.00	\$5,175.00
TELEVISION INSPECTION	9	HMAC PAVEMENT REPAIR	100	LF	\$50.00	\$5,000.00
TELEVISION INSPECTION	10	TOP SOIL & HYDROMULCH	1,805	SY	\$7.00	\$12,635.00
12   TEMPORARY EROSION CONTROL   1   LS   \$5,000.00   \$5,000.00     13   MISCELLANEOUS RESTORATION	11	TELEVISION INSPECTION	1,725	LF	\$3.00	
13   MISCELLANEOUS RESTORATION	12	TEMPORARY EROSION CONTROL	1	LS	\$5,000.00	
SUBTOTAL   \$217,120.00	13	MISCELLANEOUS RESTORATION				
CONTINGENCY (15%) \$32,568.00  SUBTOTAL \$249,688.00  ENGINEERING/SURVEY \$37,453.20  TOTAL PROJECTED CONSTRUCTION COST \$287,141.20		AND ADJUSTMENTS	1	LS	\$10,000.00	\$10,000.00
SUBTOTAL         \$249,688.00           ENGINEERING/SURVEY         \$37,453.20           TOTAL PROJECTED CONSTRUCTION COST         \$287,141.20		SUBTOTAL				\$217,120.00
SUBTOTAL         \$249,688.00           ENGINEERING/SURVEY         \$37,453.20           TOTAL PROJECTED CONSTRUCTION COST         \$287,141.20						
SUBTOTAL         \$249,688.00           ENGINEERING/SURVEY         \$37,453.20           TOTAL PROJECTED CONSTRUCTION COST         \$287,141.20		CONTINGEN	ICY (15%)			\$32,568.00
ENGINEERING/SURVEY \$37,453.20 TOTAL PROJECTED CONSTRUCTION COST \$287,141.20		S	UBTOTAL			
TOTAL PROJECTED CONSTRUCTION COST \$287,141.20		ENGINEERING	SURVEY			
		TOTAL PROJECTED CONSTRUCTI	ON COST			
PROJECTED COST ATTRIBUTABLE TO DEVELOPMENT (100%) \$287,141.20						
		PROJECTED COST ATTRIBUTABLE TO DEVEL	OPMENT	(100%)		\$287,141.20

**TEAGUE NALL AND PERKINS, INC.** 5237 N RIVERSIDE DRIVE, SUITE 100 FORT WORTH, TEXAS 76137

**DECEMBER 2017** 

# CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

Project : <u>WASTEWATER IMPROVEMENTS</u>

Description: 18" LINE 'EE' - 2,210 LF

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ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
1	PARKWAY PREPARATION	1	LS	\$12,000.00	\$12,000.00
2	18" SDR-35 PVC SEWER PIPE (6'-10' DEEP)	2,220	LF	\$180.00	\$399,600.00
3	8" SDR-35 PVC SEWER PIPE (ALL DEPTHS)	200	LF	\$42.00	\$8,400.00
4	5' DIA. SEWER MANHOLE	9	EA	\$5,000.00	\$45,000.00
5	6' DIA. SEWER MANHOLE	3	EA	\$6,500.00	\$19,500.00
6	EXTRA DEPTH FOR SSMH (>6')	2	VF	\$260.00	\$520.00
7	4" SANITARY SEWER SERVICE CONNECTION	10	EA	\$900.00	\$9,000.00
8	CONNECT TO EXIST SYSTEM	2	EA	\$1,200.00	\$2,400.00
9	TRENCH SAFETY FOR SAN SEWER INSTALLATION	2,420	LF	\$3.00	\$7,260.00
10	WATERTIGHT MANHOLE INSERT	2	EA	\$32.00	\$64.00
11	TOP SOIL & HYDROMULCH	2,690	SY	\$7.00	\$18,830.00
12	TELEVISION INSPECTION	2,420	LF	\$3.00	\$7,260.00
13	TEMP. EROSION CONTROL	1	LS	\$8,000.00	\$8,000.00
14	MISCELLANEOUS RESTORATION				
	AND ADJUSTMENTS	1	LS	\$10,000.00	\$10,000.00
	SUBTOTAL				\$547,834.00
	CONTINGEN	ICY (15%)			\$82,175.10
	S	UBTOTAL			\$630,009.10
	ENGINEERING	/SURVEY			\$94,501.37
	TOTAL PROJECTED CONSTRUCTI	ON COST			\$724,510.47
	PROJECTED COST ATTRIBUTABLE TO DEVEL	OPMENT	(100%)		\$724,510.47

**TEAGUE NALL AND PERKINS, INC.**5237 N RIVERSIDE DRIVE, SUITE 100
FORT WORTH, TEXAS 76137

**DECEMBER 2017** 

# CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

Project : <u>WASTEWATER IMPROVEMENTS</u>

Description: 21" LINE 'EEE' - 5165 LF

1 PARKWAY PREPARATION 2 21" SDR-35 PVC SEWER PIPE (6'-10' DEEP) 3 8" SDR-35 PVC SEWER PIPE (ALL DEPTHS) 4 6' DIA. SEWER MANHOLE 5 EXTRA DEPTH FOR SSMH (>6') 6 CONNECT TO EXIST SYSTEM 7 TRENCH SAFETY FOR SAN SEWER INSTALLATION 8 WATERTIGHT MANHOLE INSERT 9 TOP SOIL & HYDROMULCH 10 TELEVISION INSPECTION 11 TEMP. EROSION CONTROL 12 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$10,000.00 \$1,200.		<u> </u>	<del></del>		7	
2 21" SDR-35 PVC SEWER PIPE (6'-10' DEEP) 5,165 LF \$220.00 \$1,136,300.00 3 8" SDR-35 PVC SEWER PIPE (ALL DEPTHS) 80 LF \$42.00 \$3,360.00 4 6' DIA. SEWER MANHOLE 10 EA \$6,500.00 \$65,000.00 5 EXTRA DEPTH FOR SSMH (>6') 2 VF \$260.00 \$520.00 6 CONNECT TO EXIST SYSTEM 1 EA \$1,200.00 \$1,200.00 7 TRENCH SAFETY FOR SAN SEWER INSTALLATION 5,245 LF \$3.00 \$15,735.00 8 WATERTIGHT MANHOLE INSERT 6 EA \$32.00 \$192.00 9 TOP SOIL & HYDROMULCH 5,738 SY \$7.00 \$40,166.00 10 TELEVISION INSPECTION 5,245 LF \$3.00 \$15,735.00 11 TEMP. EROSION CONTROL 1 LS \$8,000.00 \$8,000.00 12 MISCELLANEOUS RESTORATION 1 LS \$10,000.00 \$10,000.00 13 SUBTOTAL ENGINEERING/SURVEY \$228,080.88  TOTAL PROJECTED CONSTRUCTION COST \$1,748,620.08	ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
S   SDR-35 PVC SEWER PIPE (ALL DEPTHS)	1	PARKWAY PREPARATION	1	LS	\$26,000.00	\$26,000.00
4 6' DIA. SEWER MANHOLE 10 EA \$6,500.00 \$65,000.00 5 EXTRA DEPTH FOR SSMH (>6') 2 VF \$260.00 \$520.00 6 CONNECT TO EXIST SYSTEM 1 EA \$1,200.00 \$1,200.00 7 TRENCH SAFETY FOR SAN SEWER INSTALLATION 5,245 LF \$3.00 \$15,735.00 8 WATERTIGHT MANHOLE INSERT 6 EA \$32.00 \$192.00 9 TOP SOIL & HYDROMULCH 5,738 SY \$7.00 \$40,166.00 10 TELEVISION INSPECTION 5,245 LF \$3.00 \$15,735.00 11 TEMP. EROSION CONTROL 1 LS \$8,000.00 \$8,000.00 12 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$10,000.00 \$10,000.00 SUBTOTAL  CONTINGENCY (15%) \$198,331.20 SUBTOTAL ENGINEERING/SURVEY TOTAL PROJECTED CONSTRUCTION COST \$1,748,620.08	2	21" SDR-35 PVC SEWER PIPE (6'-10' DEEP)	5,165	LF	\$220.00	\$1,136,300.00
5 EXTRA DEPTH FOR SSMH (>6') 2 VF \$260.00 \$520.00 6 CONNECT TO EXIST SYSTEM 1 EA \$1,200.00 \$1,200.00 7 TRENCH SAFETY FOR SAN SEWER INSTALLATION 5,245 LF \$3.00 \$15,735.00 8 WATERTIGHT MANHOLE INSERT 6 EA \$32.00 \$192.00 9 TOP SOIL & HYDROMULCH 5,738 SY \$7.00 \$40,166.00 10 TELEVISION INSPECTION 5,245 LF \$3.00 \$15,735.00 11 TEMP. EROSION CONTROL 1 LS \$8,000.00 \$8,000.00 12 MISCELLANEOUS RESTORATION AND ADJUSTMENTS 1 LS \$10,000.00 \$10,000.00  SUBTOTAL \$1,322,208.00  CONTINGENCY (15%) \$198,331.20  SUBTOTAL ENGINEERING/SURVEY \$228,080.88  TOTAL PROJECTED CONSTRUCTION COST \$1,748,620.08	3	8" SDR-35 PVC SEWER PIPE (ALL DEPTHS)	80	LF	\$42.00	\$3,360.00
5         EXTRA DEPTH FOR SSMH (>6')         2         VF         \$260.00         \$520.00           6         CONNECT TO EXIST SYSTEM         1         EA         \$1,200.00         \$1,200.00           7         TRENCH SAFETY FOR SAN SEWER INSTALLATION         5,245         LF         \$3.00         \$15,735.00           8         WATERTIGHT MANHOLE INSERT         6         EA         \$32.00         \$192.00           9         TOP SOIL & HYDROMULCH         5,738         SY         \$7.00         \$40,166.00           10         TELEVISION INSPECTION         5,245         LF         \$3.00         \$15,735.00           11         TEMP. EROSION CONTROL         1         LS         \$8,000.00         \$8,000.00           12         MISCELLANEOUS RESTORATION         1         LS         \$10,000.00         \$10,000.00           AND ADJUSTMENTS         1         LS         \$10,000.00         \$13,222,208.00           CONTINGENCY (15%)         \$1,520,539.20           ENGINEERING/SURVEY         \$228,080.88           TOTAL PROJECTED CONSTRUCTION COST         \$1,748,620.08	4	6' DIA. SEWER MANHOLE	10	EA	\$6,500.00	\$65,000.00
6         CONNECT TO EXIST SYSTEM         1         EA         \$1,200.00         \$1,200.00           7         TRENCH SAFETY FOR SAN SEWER INSTALLATION         5,245         LF         \$3.00         \$15,735.00           8         WATERTIGHT MANHOLE INSERT         6         EA         \$32.00         \$192.00           9         TOP SOIL & HYDROMULCH         5,738         SY         \$7.00         \$40,166.00           10         TELEVISION INSPECTION         5,245         LF         \$3.00         \$15,735.00           11         TEMP. EROSION CONTROL         1         LS         \$8,000.00         \$8,000.00           12         MISCELLANEOUS RESTORATION         1         LS         \$10,000.00         \$10,000.00           AND ADJUSTMENTS         1         LS         \$10,000.00         \$1,322,208.00           CONTINGENCY (15%)         \$198,331.20           SUBTOTAL         \$1,520,539.20           ENGINEERING/SURVEY         \$228,080.88           TOTAL PROJECTED CONSTRUCTION COST         \$1,748,620.08	5	EXTRA DEPTH FOR SSMH (>6')	2	VF	\$260.00	\$520.00
7         TRENCH SAFETY FOR SAN SEWER INSTALLATION         5,245         LF         \$3.00         \$15,735.00           8         WATERTIGHT MANHOLE INSERT         6         EA         \$32.00         \$192.00           9         TOP SOIL & HYDROMULCH         5,738         SY         \$7.00         \$40,166.00           10         TELEVISION INSPECTION         5,245         LF         \$3.00         \$15,735.00           11         TEMP. EROSION CONTROL         1         LS         \$8,000.00         \$8,000.00           12         MISCELLANEOUS RESTORATION         1         LS         \$10,000.00         \$10,000.00           AND ADJUSTMENTS         1         LS         \$10,000.00         \$1,322,208.00           SUBTOTAL         \$1,322,208.00           SUBTOTAL         \$1,520,539.20           ENGINEERING/SURVEY         \$228,080.88           TOTAL PROJECTED CONSTRUCTION COST         \$1,748,620.08	6	CONNECT TO EXIST SYSTEM	1	EA	\$1,200.00	\$1,200.00
8         WATERTIGHT MANHOLE INSERT         6         EA         \$32.00         \$192.00           9         TOP SOIL & HYDROMULCH         5,738         SY         \$7.00         \$40,166.00           10         TELEVISION INSPECTION         5,245         LF         \$3.00         \$15,735.00           11         TEMP. EROSION CONTROL         1         LS         \$8,000.00         \$8,000.00           12         MISCELLANEOUS RESTORATION         1         LS         \$10,000.00         \$10,000.00           AND ADJUSTMENTS         1         LS         \$10,000.00         \$11,322,208.00           CONTINGENCY (15%)         \$198,331.20           SUBTOTAL         \$1,520,539.20           ENGINEERING/SURVEY         \$228,080.88           TOTAL PROJECTED CONSTRUCTION COST         \$1,748,620.08	7	TRENCH SAFETY FOR SAN SEWER INSTALLATION	5,245	LF	\$3.00	\$15,735.00
9 TOP SOIL & HYDROMULCH 5,738 SY \$7.00 \$40,166.00 10 TELEVISION INSPECTION 5,245 LF \$3.00 \$15,735.00 11 TEMP. EROSION CONTROL 1 LS \$8,000.00 \$8,000.00 12 MISCELLANEOUS RESTORATION	8	WATERTIGHT MANHOLE INSERT	6	EA	\$32.00	\$192.00
TELEVISION INSPECTION   5,245   LF   \$3.00   \$15,735.00	9	TOP SOIL & HYDROMULCH	5,738	SY	\$7.00	\$40,166.00
TEMP. EROSION CONTROL   1	10	TELEVISION INSPECTION	5,245	LF		\$15,735.00
MISCELLANEOUS RESTORATION	11	TEMP. EROSION CONTROL	1	LS	\$8,000.00	
SUBTOTAL   \$1,322,208.00	12	MISCELLANEOUS RESTORATION				
CONTINGENCY (15%) \$198,331.20 SUBTOTAL \$1,520,539.20 ENGINEERING/SURVEY \$228,080.88 TOTAL PROJECTED CONSTRUCTION COST \$1,748,620.08		AND ADJUSTMENTS	1	LS	\$10,000.00	\$10,000.00
CONTINGENCY (15%) \$198,331.20  SUBTOTAL \$1,520,539.20  ENGINEERING/SURVEY \$228,080.88  TOTAL PROJECTED CONSTRUCTION COST \$1,748,620.08		SUBTOTAL				\$1,322,208.00
SUBTOTAL         \$1,520,539.20           ENGINEERING/SURVEY         \$228,080.88           TOTAL PROJECTED CONSTRUCTION COST         \$1,748,620.08						
SUBTOTAL         \$1,520,539.20           ENGINEERING/SURVEY         \$228,080.88           TOTAL PROJECTED CONSTRUCTION COST         \$1,748,620.08		CONTINGEN	ICY (15%)			\$198,331.20
ENGINEERING/SURVEY \$228,080.88  TOTAL PROJECTED CONSTRUCTION COST \$1,748,620.08		S	UBTOTAL			
TOTAL PROJECTED CONSTRUCTION COST \$1,748,620.08		ENGINEERING	SURVEY			\$228,080.88
PROJECTED COST ATTRIBUTABLE TO DEVELOPMENT (100%) \$1,748,620.08	=	TOTAL PROJECTED CONSTRUCTI	ON COST			\$1,748,620.08
PROJECTED COST ATTRIBUTABLE TO DEVELOPMENT (100%) \$1,748,620.08						
		PROJECTED COST ATTRIBUTABLE TO DEVEL	OPMENT	(100%)		\$1,748,620.08
						. , , , , , , , , , , , , , , , , , , ,

**TEAGUE NALL AND PERKINS, INC.**5237 N RIVERSIDE DRIVE, SUITE 100
FORT WORTH, TEXAS 76137

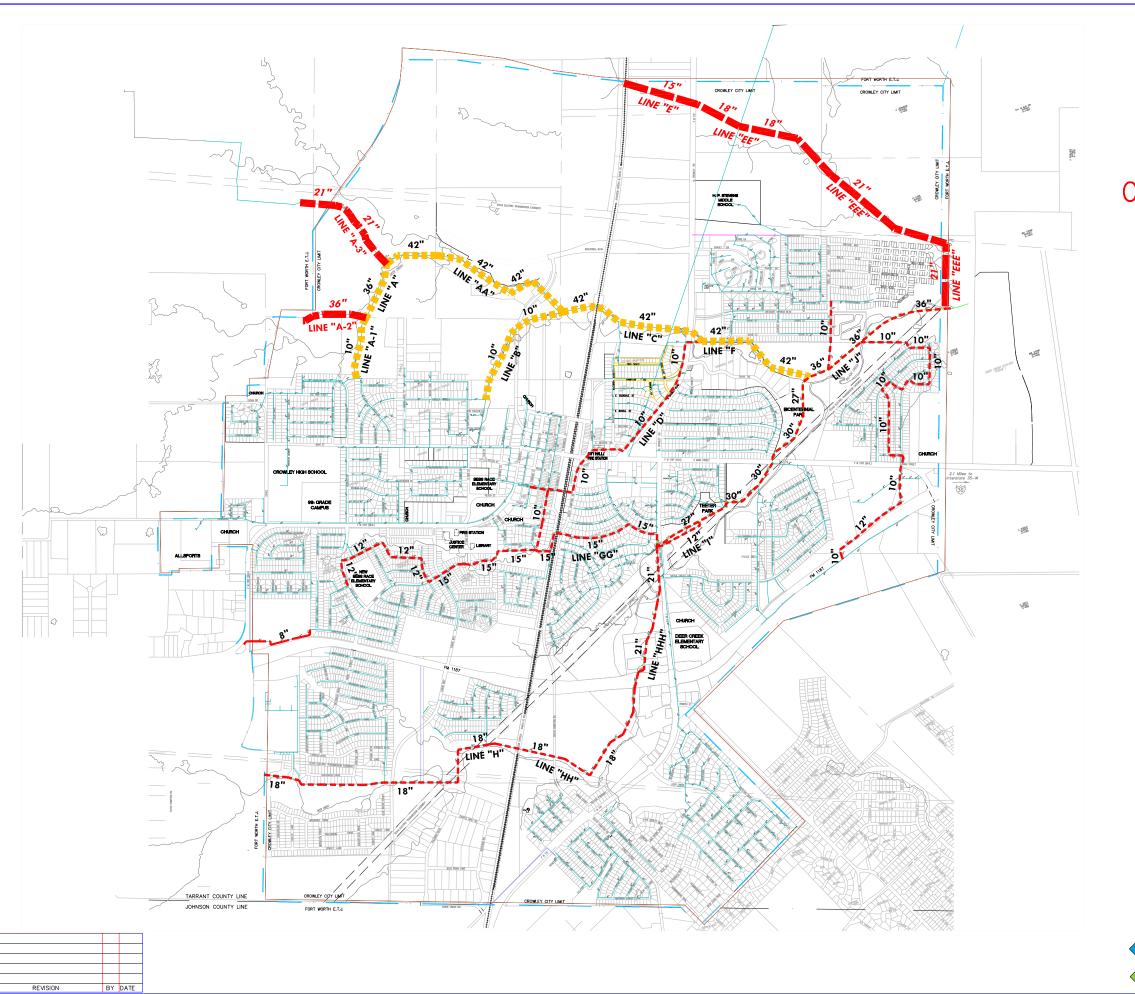
**DECEMBER 2017** 

# CITY of CROWLEY, TEXAS 2017-2027 CAPITAL IMPROVEMENT PLAN for WATER AND WASTEWATER IMPROVEMENTS

**Project: WASTEWATER IMPROVEMENTS** 

Description: 42" LINE 'F' - 2525 LF (Joint Project w/Fort Worth)

<u> </u>	<u> </u>				
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
1	PARKWAY PREPARATION	1	LS	\$12,625.00	\$12,625.00
2	42" FIBERGLASS SEWER PIPE	2525	LF	\$425.00	
3	10" SDR-35 PVC SEWER PIPE (ALL DEPTHS)	20	LF	\$175.00	\$3,500.00
4	5' TYPE A MANHOLE	6	EA	\$12,500.00	\$75,000.00
5	EXTRA DEPTH FOR SSMH (>6')	60	VF	\$260.00	\$15,600.00
6	CONNECT TO EXIST SYSTEM	3	EA	\$1,200.00	\$3,600.00
7	TRENCH SAFETY FOR SAN SEWER INSTALLATION	2,545	LF	\$8.00	\$20,360.00
8	WATERTIGHT MANHOLE INSERT	3	EA	\$35.00	\$105.00
9	HMAC PAVEMENT REPAIR	25	LF	\$50.00	\$1,250.00
10	REMOVE EXIST SSMH	5	EA	\$1,500.00	\$7,500.00
11	TOP SOIL & HYDROMULCH	2,805	SY	\$7.00	\$19,635.00
12	TELEVISION INSPECTION	2,545	LF	\$3.00	\$7,635.00
13	TEMP. EROSION CONTROL	1	LS	\$8,000.00	\$8,000.00
14	MISCELLANEOUS RESTORATION				
	AND ADJUSTMENTS	1	LS	\$10,000.00	\$10,000.00
	SUBTOTAL				\$1,257,935.00
	CONTINGEN	ICY (15%)			\$188,690.25
		UBTOTAL			\$1,446,625.25
	ENGINEERING/	SURVEY			\$216,993.79
	TOTAL PROJECTED CONSTRUCTION	ON COST			\$1,663,619.04
	TOTAL PROJECTED CROWLE	Y COSTS (	13.4%)		\$222,924.95
					,, ,
	PROJECTED COST ATTRIBUTABLE TO DEVEL	OPMENT	(100%)		\$222,924.95
					<del>+,02-1.00</del>





### CAPITAL IMPROVEMENTS PLAN

### WASTEWATER COLLECTION SYSTEM

IMPACT FEE UPDATE (2017-2027 C.I.P.)

#### **LEGEND**



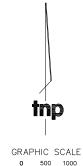
NEW WASTEWATER LINE (2017-2027 C.I.P.)

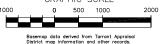
EXISTING WASTEWATER LINE (MEETS ULTIMATE CI.P.)

EXISTING WASTEWATER LINE TO BE REPLACED (ULTIMATE CI.P.) 

EXISTING WASTEWATER LINE TO BE REPLACED (2017-2027 C.I.P.)

> BOUNDARY OF SERVICE AREA FOR WASTEWATER IMPACT FEES (BASED ON CCN 20392)

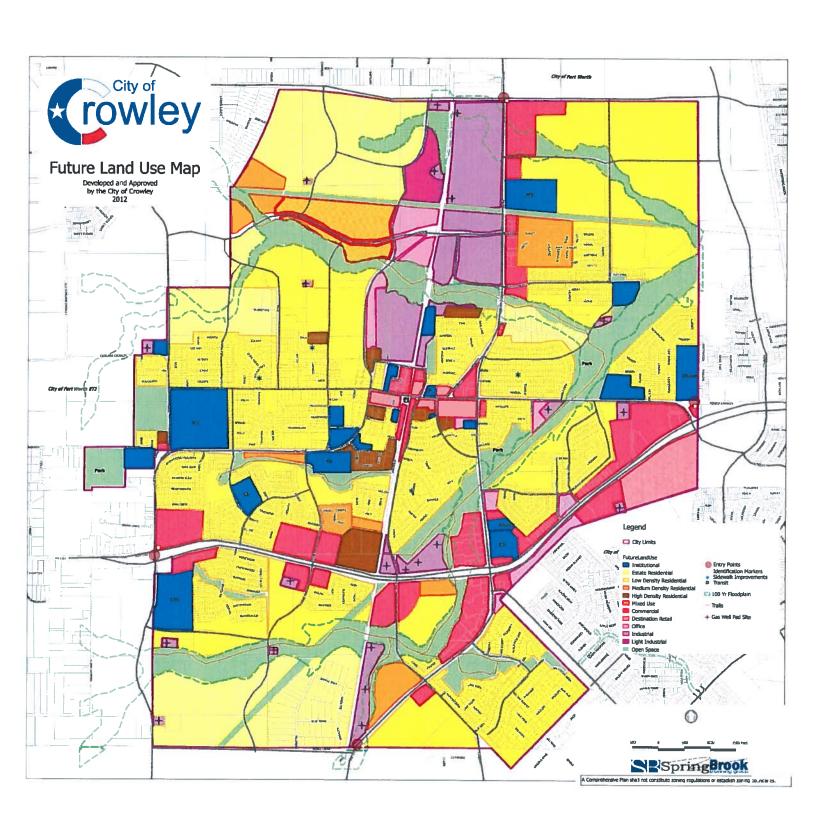




### DECEMBER 2017



teague nall & perkins
5237 N. Riverside Drive, Suite 100
Fort Worth, Texas 76137
817.336.5773 ph. 817.336.2813 fx
TBPE Reg No. F-230;
TBPLS: 10011600, 10011601, 10194381







### Demographic and Income Profile

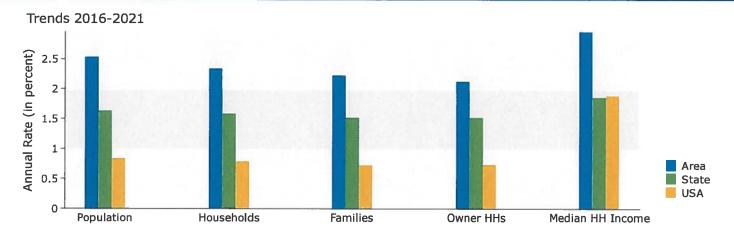
Crowley City, TX Crowley City, TX (4817960) Geography: Place Prepared by Orasi

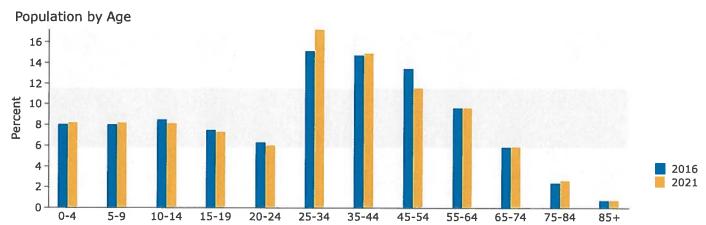
Summary	Cen	sus 2010		2016		202
Population		12,838		14,885		16,86
Households		4,408		4,971		5,58
Families		3,424		3,875		4,32
Average Household Size		2.91		2.99		3.0
Owner Occupied Housing Units		3,175		3,407		3,78
Renter Occupied Housing Units		1,233		1,565		1,79
Median Age		32.0		32.7		32
Trends: 2016 - 2021 Annual Rate		Area		State		Nation
Population		2.53%		1.63%		0.84
Households		2.34%		1.58%		0.79
Families		2.22%		1.52%		0.72
Owner HHs		2.12%		1.52%		0.73
Median Household Income		2.96%		1.86%		1.89
			20	16	20	21
Households by Income			Number	Percent	Number	Perce
<\$15,000			392	7.9%	433	7.8
\$15,000 - \$24,999			333	6.7%	358	6.4
\$25,000 - \$34,999			366	7.4%	440	7.9
\$35,000 - \$49,999			496	10.0%	395	7.1
\$50,000 - \$74,999			1,211	24.4%	1,048	18.8
\$75,000 - \$99,999			859	17.3%	1,149	20.6
\$100,000 - \$149,999			1,016	20.4%	1,368	24.5
\$150,000 - \$199,999			196	3.9%	258	4.6
\$200,000+			103	2.1%	130	2.3
4200,000						
Median Household Income			\$66,333		\$76,759	
Average Household Income			\$76,149		\$83,250	
Per Capita Income			\$25,147		\$27,155	
rei Capita Income	Census 20	10		16		021
Population by Age	Number	Percent	Number	Percent	Number	Perce
0 - 4	1,054	8.2%	1,189	8.0%	1,387	8.2
5 - 9	1,146	8.9%	1,198	8.0%	1,379	8.2
10 - 14	1,165	9.1%	1,272	8.5%	1,360	8.1
15 - 19	934	7.3%	1,121	7.5%	1,234	7.3
20 - 24	766	6.0%	935	6.3%	1,011	6.0
25 - 34	1,948	15.2%	2,248	15.1%	2,902	17.2
35 - 44	1,930	15.0%	2,183	14.7%	2,513	14.9
45 - 54	1,755	13.7%	1,990	13.4%	1,939	11.5
55 - 64	1,069	8.3%	1,427	9.6%	1,612	9.6
				5.8%	989	5.9
65 - 74	666	5.2%	863			
75 - 84	315	2.5%	363	2.4%	431	2.6
85+	90	0.7%	100	0.7%	111	0.7
	Census 20			016		021
Race and Ethnicity	Number	Percent	Number	Percent	Number	Perce
White Alone	9,816	76.5%	10,405	69.9%	11,147	66.1
Black Alone	1,703	13.3%	2,559	17.2%	3,278	19.4
American Indian Alone	97	0.8%	101	0.7%	112	0.7
Asian Alone	197	1.5%	293	2.0%	378	2.2
Pacific Islander Alone	10	0.1%	13	0.1%	16	0.1
Some Other Race Alone	616	4.8%	976	6.6%	1,258	7.5
	399	3.1%	538	3.6%	680	4.0
Two or More Races						
Two or More Races  Hispanic Origin (Any Race)	1,954	15.2%	2,814	18.9%	3,652	21.7

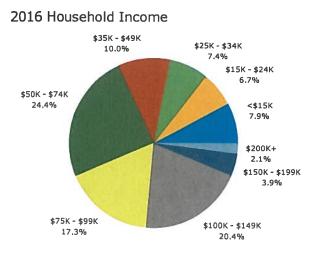


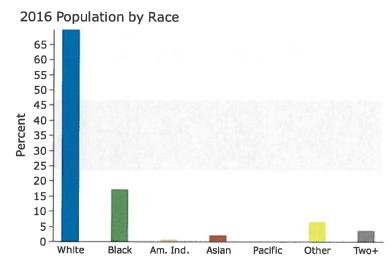
### Demographic and Income Profile

Crowley City, TX Crowley City, TX (4817960) Geography: Place Prepared by Orasi









2016 Percent Hispanic Origin: 18.9%

Source: U.S. Census Bureau, Census 2010 Summary File 1. Esri forecasts for 2016 and 2021.