

Table ES-1: Water Impact Fee CIP Projects

Project Number		P	ercent Util	ization	Costs Based o	n 2020 Dollar
	Description of Project	2020*	2030	10-Year 2020-2030	Capital Cost	10-Year 2020-2030
		Existing	Projects			
. A	Water Master Plan	0%	50%	50%	\$575,000	\$287,500
В	Water Impact Fee	0%	100%	100%	\$30,000	\$30,000
				Existing Total	\$605,000	\$317,500
	新疆大学的现在分词 。1935年	Proposed	Projects	第125 0年		林 子《西安》
2	Bolton Boone Pump Station and EST	30%	75%	45%	\$9,160,000	\$4,122,000
3	20-inch Transmission Main for Bolton Boone Zone	30%	75%	45%	\$2,652,000	\$1,193,400
11	12-inch Belt Line Road Waterline Improvements	40%	70%	30%	\$1,376,000	\$412,800
12	18-inch Spinner Road Waterline Improvements	25%	45%	20%	\$4,759,000	\$951,800
13	24-inch Silver Creek Waterline Improvements	30%	35%	5%	\$121,000	\$6,050
14	12-inch Eagle Drive Waterline Improvements	30%	45%	15%	\$3,498,000	\$524,700
20	New Briarwood Pump Station and Southwest Zone Elevated Storage Tank	30%	50%	20%	\$9,324,000	\$1,864,800
21	Southwest Zone Waterline Improvements	15%	65%	50%	\$5,777,000	\$2,888,500
24	12-inch I-35 Frontage Waterline Improvements	15%	20%	5%	\$4,191,000	\$209,550
25	12-inch Parks Waterline Improvements	10%	20%	10%	\$1,676,000	\$167,600
26	Assorted 12-inch Waterline Improvements	20%	30%	10%	\$1,227,000	\$122,700
27	12-inch Hampton Road Waterline Improvements	60%	100%	40%	\$1,727,000	\$690,800
	达特征关系的特别	Prop	osed Proj	ect Sub-Total	\$45,488,000	\$13,154,700
	Total W	/ater Capi	ital Improv	rements Cost	\$46,093,000	\$13,472,20

^{*}Utilization in 2020 on proposed projects indicates a portion of the project that will be used to address deficiencies within the existing system and therefore not eligible for impact fee cost recovery for future growth.

City of DeSoto



Table ES-2: Wastewater Impact Fee CIP Projects

Project Number		Pe	rcent Util	ization	Cost Based on 2020 Dollars		
	Description of Project	2020 ¹	2030	10-Year 2020-2030	Capital Cost ²	10-Year 2020-2030	
	Ex	isting Proj	ects				
Α	Wastewater Impact Fee	0%	100%	100%	\$30,000	\$30,000	
				xisting Total	\$30,000	\$30,000	
	Pro	posed Pro	jects				
1	Basin A 12-inch Replacement from MH 1188 to MH 1193	85%	95%	10%	\$353,827	\$35,383	
2	Basin A 18-inch Replacement from MH 1198 to MH 1242	85%	95%	10%	\$271,537	\$27,154	
3	Basin B 15-inch Replacement from MH 1486 to MH 2064	75%	90%	15%	\$592,328	\$88,849	
4	Basin B 15-inch Replacement from MH 2064 to MH 2050	75%	90%	15%	\$816,891	\$122,534	
5	Basin B 18-inch Replacement from MH 2050 to MH 2134	75%	90%	15%	\$800,731	\$120,110	
6	Basin C 12-inch Replacement from MH 1157 to MH 2247	80%	100%	20%	\$269,333	\$53,867	
7	Basin C 15-inch Replacement from MH 2247 to MH 2251	80%	100%	20%	\$473,090	\$94,618	
8	Basin C 18-inch Replacement from MH 2251 to MH 2305	80%	100%	20%	\$1,366,508	\$273,302	
9	Basin D 15-inch Replacement from MH 2441S to MH 2441Q	80%	90%	10%	\$1,111,728	\$111,173	
10	Basin G 21-inch Replacement from MH 410 to MH 418A	70%	85%	15%	\$933,088	\$139,963	
11	Basin G 24-inch Replacement from MH 418A to MH 868	70%	85%	15%	\$1,452,993	\$217,949	
12	Basin H 12-inch Replacement from MH 980 to MH 980D	70%	85%	15%	\$288,851	\$43,328	
13	Basin H 15-inch Replacement	70%	85%	15%	\$660,041	\$99,006	
14	Basin H 18-inch Replacement from MH 1016 to MH 924	70%	85%	15%	\$927,529	\$139,129	
15	Basin O 10-inch Replacement	75%	90%	15%	\$276,364	\$41,455	
16	Basin O 12-inch Replacement	75%	90%	15%	\$234,906	\$35,236	
17	Basin O 15-inch Replacement	75%	90%	15%	\$778,638	\$116,796	
18	Bee Branch Basin 12-inch Replacements	70%	85%	15%	\$795,496	\$119,324	
19	Bee Branch Basin 15-inch Replacement from MH 1894 to MH 1899	70%	85%	15%	\$154,491	\$23,174	
20	Bee Branch Basin 18-inch Replacement from MH 1900 to MH 1916	70%	85%	15%	\$892,096	\$133,814	



Table ES-2: Wastewater Impact Fee CIP Projects - Continued

		Pe	rcent Uti	lization	Cost Based on 2020 Dollars		
Project Number	Description of Project	2020 ¹	2030	10-Year 2020-2030	Capital Cost ²	10-Year 2020-2030	
21	Spring Creek Basin 15-inch Replacement from MH 257 to MH 18	80%	90%	10%	\$351,369	\$35,137	
22	Spring Creek Basin 18-inch Replacement	80%	90%	10%	\$1,230,139	\$123,014	
23	Heath Creek Basin 10-inch Replacement	70%	85%	15%	\$229,901	\$34,485	
24	Heath Creek Basin 12-inch Replacement	75%	90%	15%	\$2,927,568	\$439,135	
25	Heath Creek Basin 15-inch Replacement	75%	90%	15%	\$1,445,076	\$216,761	
26	Heath Creek Basin 18-inch Replacement	75%	90%	15%	\$1,297,193	\$194,579	
27	Heath Creek Basin 21-inch Replacement	75%	90%	15%	\$984,135	\$147,620	
28	Heath Creek Basin 24-inch Replacement	75%	90%	15%	\$3,028,900	\$454,335	
	Proposed Project Sub-Total					\$3,681,230	
ENTERNE	Total Wastewater Capital Improvements Cost					\$3,711,230	

1 - Utilization in 2020 on Proposed Projects indicates a portion of the project that will be used to address deficiencies within the existing system and therefore not eligible for impact fee cost recovery for future growth.

2 - ENR factor of 149.42% used to inflate projected cost from 2006 WWMP to 2020 dollars on proposed projects only (ENR Construction Cost Index).

- A 20% professional services cost was applied to the total estimated pipe cost. Professional services include survey, deed research, preliminary, and final design of all improvements.

- A 20% contingency was applied to the estimated pipe cost.



Table ES-3: Roadway Impact Fee CIP Projects

Project	Service	Roadway Project	Roadway	Lane	VMT	VMT	Total
Num.	Area		Туре	Capacity	Supply	Capacity	Project Cost
				(veh/hr)	(veh/hr)	(veh/hr)	Search a
1	1	Widen 0.54 miles of Danieldale Rad from 2 to 4	DA	665	723	723	\$4,631,134
		lanes: west City Limit to Westmoreland Road					
2	1	Widen 0.49 miles of Danieldale Road from 2 to 4	DA	665	652	652	\$3,723,204
_		lanes: Westmoreland Road to Old Hickory Trail					
3	1	Widen 0.5 miles of Wintergreen Road from 2 to 4	DA	665	665	665	\$5,924,261
	_	lanes: Tenmile Creek to Westmoreland Road	3-38/30				76 27 27
4	1	Widen 1 miles of Wintergreen Road from 2 to 4	DA	665	1,330	1,330	\$8,017,147
		lanes: Westmoreland Road to Hampton Road					
5	1	Widen 0.96 miles of Wintergreen Road from 4 to	DA	665	1,277	1,277	\$10,131,231
		6 lanes: Polk Street to IH35					
6	1/2	Widen 0.92 miles of Pleasant Run Road from 2 to	DA	665	1,224	1,224	\$4,085,955
		4 lanes: Duncanville Road to Cockrell Hill Road			VIII.		
7	1/2	Widen 0.79 miles of Pleasant Run Road from 2 to	DA	665	1,051	1,051	\$3,236,477
		4 lanes: Cockrell Hill Road to Westmoreland Rd					
8	1/2	Widen 1.01 miles of Pleasant Run Road from 4 to	DA	665	1,343	1,343	\$5,044,626
		6 lanes: Polk Street to IH35		ccr	005	025	¢c 204 240
9	1	Widen 0.62 miles of Polk Street from 4 to 6	DA	665	825	825	\$6,394,249
40	-	lanes: Centre Park Blvd to Danieldale Road Build 0,52 miles of Parkerville Road to 4 lanes:	DA	665	1,383	1,383	\$2,020,748
10	2	Duncanvile Road to 700' west of Keswick Drive	DA	003	1,363	1,363	\$2,020,740
11	2	Widen 0.43 miles of Parkerville Road from 2 to 4	DA	665	572	572	\$3,562,790
11	2	lanes: 700' west of Keswick Dr to Cockrell Hill Rd	57.				, . , .
12	2	Widen 0.96 miles of Parkerville Road from 2 to 4	DA	665	1,277	1,277	\$7,690,192
		lanes: Cockrell Hill Road to Westmoreland Road			HAMP NO SOCIETY		
13	2	Widen 1 miles of Parkerville Road from 2 to 4	DA	665	1,330	1,330	\$7,490,790
		lanes: Westmoreland Road to Hampton Road					
14	2	Widen 0.95 miles of Parkerville Road from 2 to 4	DA	665	1,264	1,264	\$7,143,842
		lanes: Hampton Road to Polk Street		665	2.607	2.607	¢10 411 410
15	2	Recoupment of project to widen 0.98 miles of	DA	665	2,607	2,607	\$10,411,418
1.0	2	Parkerville Road from 2 to 6 lanes: Polk St to IH35 Widen 0.46 miles of Cockrell Hill Road from 2 to 4	DA	665	612	612	\$3,680,945
16	2	lanes: south City limit to Parkerville Road	DA	003	012	012	75,000,545
17	2	Recoupment of project to widen 1 miles of	DA	665	2,660	2,660	\$10,638,696
1,	_	Cockrell Hill Road from 2 to 6 lanes: Parkerville				,	,
		Road to Belt Line Road					
18	2	Recoupment of project to widen 1 miles of	DA	665	2,660	2,660	\$10,643,814
		Cockrell Hill Road from 2 to 6 lanes: Belt Line Road					
		to Pleasant Run Road					
19	2	Widen 1 miles of Westmoreland Road from 2 to 4	DA	665	1,330	1,330	\$7,988,873
		lanes: Parkerville Road to Belt Line Road	- DA	CCT	070	070	¢r 255 260
20	2	Widen 0.66 miles of Hampton Road from 2 to 4	DA	665	878	878	\$5,255,269
21	2	lanes: south City limit to Parkerville Road Widen 0.66 miles of Uhl Road from 2 to 4 lanes:	DA	665	878	878	\$5,149,547
21		south City limit to Parkerville Road		003	070	5/6	75,175,577

¹DA=Divided Arterial