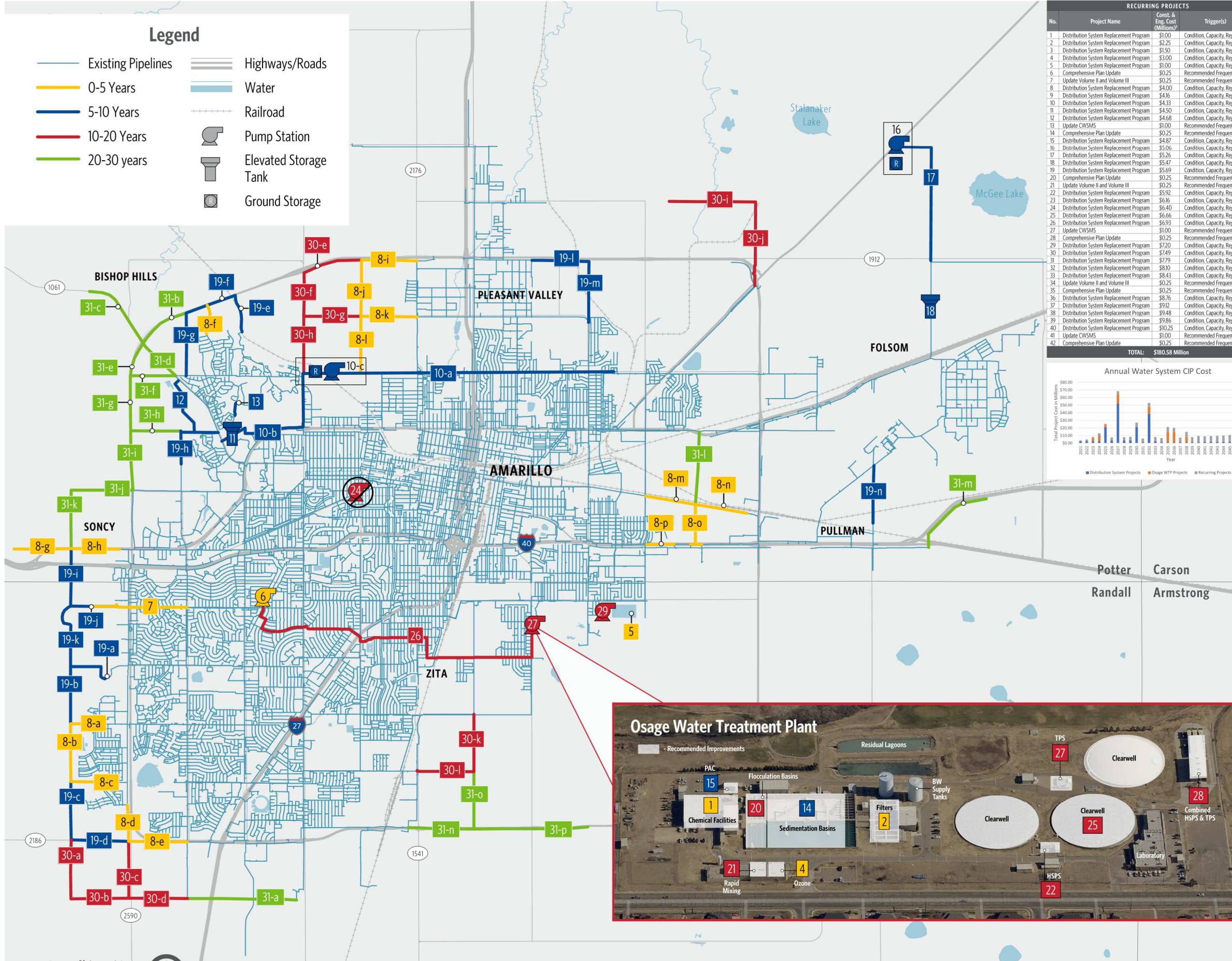
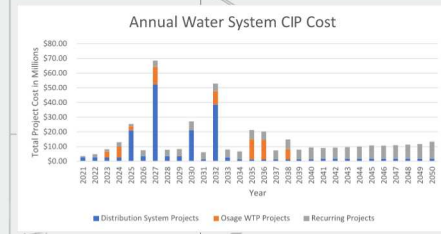


Legend

- Existing Pipelines
- 0-5 Years
- 5-10 Years
- 10-20 Years
- 20-30 years
- Highways/Roads
- Water
- Railroad
- Pump Station
- Elevated Storage Tank
- Ground Storage



RECURRING PROJECTS				
No.	Project Name	Const. & Eng. Cost (Millions)	Trigger(s)	Start Year
1	Distribution System Replacement Program	\$1.00	Condition, Capacity, Regulatory	2021
2	Distribution System Replacement Program	\$2.25	Condition, Capacity, Regulatory	2022
3	Distribution System Replacement Program	\$4.50	Condition, Capacity, Regulatory	2023
4	Distribution System Replacement Program	\$3.00	Condition, Capacity, Regulatory	2024
5	Distribution System Replacement Program	\$1.00	Condition, Capacity, Regulatory	2025
6	Comprehensive Plan Update	\$0.25	Recommended Frequency	2025
7	Update Volume II and Volume III	\$0.25	Recommended Frequency	2025
8	Distribution System Replacement Program	\$4.00	Condition, Capacity, Regulatory	2026
9	Distribution System Replacement Program	\$4.16	Condition, Capacity, Regulatory	2027
10	Distribution System Replacement Program	\$4.33	Condition, Capacity, Regulatory	2028
11	Distribution System Replacement Program	\$4.50	Condition, Capacity, Regulatory	2029
12	Distribution System Replacement Program	\$4.68	Condition, Capacity, Regulatory	2030
13	Update CVSMS	\$1.00	Recommended Frequency	2030
14	Comprehensive Plan Update	\$0.25	Recommended Frequency	2030
15	Distribution System Replacement Program	\$4.87	Condition, Capacity, Regulatory	2031
16	Distribution System Replacement Program	\$5.06	Condition, Capacity, Regulatory	2032
17	Distribution System Replacement Program	\$5.26	Condition, Capacity, Regulatory	2033
18	Distribution System Replacement Program	\$5.47	Condition, Capacity, Regulatory	2034
19	Distribution System Replacement Program	\$5.69	Condition, Capacity, Regulatory	2035
20	Comprehensive Plan Update	\$0.25	Recommended Frequency	2035
21	Update Volume II and Volume III	\$0.25	Recommended Frequency	2035
22	Distribution System Replacement Program	\$5.92	Condition, Capacity, Regulatory	2036
23	Distribution System Replacement Program	\$6.16	Condition, Capacity, Regulatory	2037
24	Distribution System Replacement Program	\$6.40	Condition, Capacity, Regulatory	2038
25	Distribution System Replacement Program	\$6.66	Condition, Capacity, Regulatory	2039
26	Distribution System Replacement Program	\$6.93	Condition, Capacity, Regulatory	2040
27	Update CVSMS	\$1.00	Recommended Frequency	2040
28	Comprehensive Plan Update	\$0.25	Recommended Frequency	2040
29	Distribution System Replacement Program	\$7.20	Condition, Capacity, Regulatory	2041
30	Distribution System Replacement Program	\$7.49	Condition, Capacity, Regulatory	2042
31	Distribution System Replacement Program	\$7.79	Condition, Capacity, Regulatory	2043
32	Distribution System Replacement Program	\$8.10	Condition, Capacity, Regulatory	2044
33	Distribution System Replacement Program	\$8.43	Condition, Capacity, Regulatory	2045
34	Update Volume II and Volume III	\$0.25	Recommended Frequency	2045
35	Comprehensive Plan Update	\$0.25	Recommended Frequency	2045
36	Distribution System Replacement Program	\$8.76	Condition, Capacity, Regulatory	2046
37	Distribution System Replacement Program	\$9.12	Condition, Capacity, Regulatory	2047
38	Distribution System Replacement Program	\$9.48	Condition, Capacity, Regulatory	2048
39	Distribution System Replacement Program	\$9.86	Condition, Capacity, Regulatory	2049
40	Distribution System Replacement Program	\$10.25	Condition, Capacity, Regulatory	2050
41	Update CVSMS	\$1.00	Recommended Frequency	2050
42	Comprehensive Plan Update	\$0.25	Recommended Frequency	2050
TOTAL:		\$180.58 Million		



COMPREHENSIVE WATER SYSTEM MASTER PLAN				
No.	Project Name	Const. & Eng. Cost (Millions)	Trigger(s)	Eng. Start Year
CIP Project Locations: 0 - 5 Year Timeline				
1	Chemical Systems Improvements	\$312	Condition, Performance	2023
2	Conventional Filter System Improvements	\$3	Condition, Regulatory	2023
3	Groundwater Availability Analysis	\$0.15	Planning, Condition, Performance	2024
4	Ozone System Improvements	\$7.29	Condition, Performance	2024
5	34th Avenue Raw Water Reservoir Improvements	\$2.79	Condition, Regulatory	2025
6	34th Ave Pump Station Improvement and Expansion to 35 MGD	\$15.69	Condition, Capacity, Regulatory	2025
7	Approx. 6,300 Feet of 30-inch Transmission Line from the intersection of 34th Ave and Coulter Street to the Soncy Elevated Storage Tank	\$2.84	Development	2025
8	Development Related Distribution Mains	\$12.68	Development	2021-2025
a	Approx. 1,250 Feet of 30-inch Distribution Main along Hillside Road	\$0.56	Development	2021-2025
b	Approx. 5,400 Feet of 24-inch Distribution Main along Helium Road	\$1.94	Development	2021-2025
c	Approx. 3,400 Feet of 20-inch Distribution Main along Anden Road	\$1.02	Development	2021-2025
d	Approx. 3,350 Feet of 20-inch Distribution Main along W W Road	\$1.00	Development	2021-2025
e	Approx. 2,700 Feet of 16-inch Distribution Main along W Hollywood Road	\$0.65	Development	2021-2025
f	Approx. 2,780 Feet of 16-inch Distribution Main along Coulter Street	\$1.27	Development	2021-2025
g	Approx. 5,300 Feet of 16-inch Distribution Main along W Amarillo Blvd	\$1.97	Development	2021-2025
h	Approx. 4,500 Feet of 16-inch Distribution Main along W Amarillo Blvd	\$1.08	Development	2021-2025
i	Approx. 5,300 Feet of 8-inch Distribution Main along St Francis Ave	\$0.63	Development	2021-2025
j	Approx. 5,300 Feet of 8-inch Distribution Main along Smelter Road	\$0.63	Development	2021-2025
k	Approx. 5,300 Feet of 8-inch Distribution Main along W Hastings Ave	\$0.63	Development	2021-2025
l	Approx. 5,300 Feet of 8-inch Distribution Main along Smelter Road	\$0.63	Development	2021-2025
m	Approx. 4,700 Feet of 8-inch Distribution Main along SE 3rd Ave	\$0.56	Development	2021-2025
n	Approx. 4,900 Feet of 8-inch Distribution Main along SE 3rd Ave	\$0.59	Development	2021-2025
o	Approx. 4,300 Feet of 8-inch Distribution Main along S Whitaker Road	\$0.51	Development	2021-2025
p	Approx. 5,300 Feet of 8-inch Distribution Main along I-40	\$0.31	Development	2021-2025
Total:		\$45.6 Million		

CIP Project Locations: 5 - 10 Year Timeline				
No.	Project Name	Const. & Eng. Cost (Millions)	Trigger(s)	Eng. Start Year
CIP Project Locations: 5 - 10 Year Timeline				
9	5-Year Transmission Pipeline Corrosion Protection Systems Testing and Monitoring Program	\$0.16	Pipeline System Maint.	2027
10	New Pump Station, Ground Storage Tanks and Related Transmission Lines in Northwest Amarillo	\$41.30	Development	2027
a	Approx. 28,150 Feet of New 36-inch Transmission Line from 24th St Pump Station to New Pump Station in Northwest Amarillo	\$15.15	Development	2027
b	Approx. 14,300 Feet of New 30-inch Transmission Line from New Pump Station to New Elevated Storage Tank in Northwest Amarillo	\$6.41	Development	2027
c	New 20 MGD Pump Station in Northwest Amarillo and 10 MG Ground Storage	\$19.73	Development	2027
11	New 2 MG Elevated Storage Tank in Northwest Amarillo	\$5.06	Development, Regulatory	2027
12	Approx. 9,300 Feet of 16-inch Transmission Line in Northwest Amarillo	\$2.22	Development	2027
13	Connect 12-inch Water Lines in two Locations in Northwest Amarillo	\$0.03	Development	2027
14	Sedimentation Basins Improvements	\$12.00	Regulatory, Condition	2027
15	PAC vs Peroxide Study	\$0.30	Performance	2029
16	New 10 MGD Intermediate Pump Station and 5 MG Ground Storage	\$8.97	Condition, Capacity, Regulatory	2030
17	Approx. 13,400 Feet of Intermediate Pump Station 24-inch Discharge Pipeline to the Distribution System	\$4.82	Development, Regulatory	2030
18	New 1.5 MG Elevated Storage Tank in Northeast Amarillo	\$3.89	Development, Regulatory	2030
19	Development Related Distribution Mains	\$17.67	Development	2026-2030
a	Approx. 3,850 Feet of 12-inch Distribution Main along Ascension Street	\$0.69	Development	2026-2030
b	Approx. 5,300 Feet of 24-inch Distribution Main along Helium Road	\$1.90	Development	2026-2030
c	Approx. 5,500 Feet of 24-inch Distribution Main along Helium Road	\$1.97	Development	2026-2030
d	Approx. 5,400 Feet of 16-inch Distribution Main along CR 286	\$1.29	Development	2026-2030
e	Approx. 3,500 Feet of 12-inch Distribution Main along Hester Dr	\$0.63	Development	2026-2030
f	Approx. 4,900 Feet of 12-inch Distribution Main along W Loop 335 N	\$0.88	Development	2026-2030
g	Approx. 5,900 Feet of 12-inch Distribution Main West of Coulter Street	\$1.06	Development	2026-2030
h	Approx. 3,100 Feet of 12-inch Distribution Main along S Coulter Street	\$0.56	Development	2026-2030
i	Approx. 5,400 Feet of 24-inch Distribution Main along Helium Road	\$1.94	Development	2026-2030
j	Approx. 4,400 Feet of 20-inch Distribution Main along W County Road 34	\$1.32	Development	2026-2030
k	Approx. 5,300 Feet of 24-inch Distribution Main along Helium Road	\$2.33	Development	2026-2030
l	Approx. 5,300 Feet of 12-inch Distribution Main along St Francis Ave	\$0.83	Development	2026-2030
m	Approx. 5,300 Feet of 12-inch Distribution Main along Northside Dr	\$1.15	Development	2026-2030
n	Approx. 6,300 Feet of 12-inch Distribution Main along S Pullman Road	\$1.13	Development	2026-2030
Total:		\$96.5 Million		

CIP Project Locations: 10 - 20 Year Timeline				
No.	Project Name	Const. & Eng. Cost (Millions)	Trigger(s)	Eng. Start Year
CIP Project Locations: 10 - 20 Year Timeline				
20	Flocculation System Improvements	\$2.70	Performance, Condition	2032
21	Rapid Mix System Improvements	\$1.40	Condition	2032
22	Old High Service Pump Station Improvements	\$5.00	Performance, Condition	2032
23	Replacement of Carson County Wellfield Pipeline	\$37.44	Condition	2032
24	Decommission Bottom Pump Station	\$1.50	Capacity	2033
25	Clearwell Rehabilitation	\$0.30	Condition	2035
26	Surge Evaluation of 34th Ave Transfer Line	\$0.10	Development	2035
27	WTP Transfer Pump Station Improvement and Expansion to 35 MGD	\$13.46	Capacity, Regulatory, Condition, Performance	2035
28	Combined HSPS & TPS Improvements	\$13.00	Performance	2036
29	Raw Water Reservoir Pump Station Improvements	\$7.20	Condition, Performance	2038
30	Development Related Distribution Mains	\$12.35	Development	2031-2040
a	Approx. 5,500 Feet of 16-inch Distribution Main along Helium Road	\$1.32	Development	2031-2040
b	Approx. 5,400 Feet of 12-inch Distribution Main along W Sandown Lane	\$0.97	Development	2031-2040
c	Approx. 5,300 Feet of 16-inch Distribution Main along W W Road	\$1.27	Development	2031-2040
d	Approx. 5,500 Feet of 12-inch Distribution Main along W Sandown Lane	\$0.99	Development	2031-2040
e	Approx. 5,600 Feet of 8-inch Distribution Main along St Francis Ave	\$0.67	Development	2031-2040
f	Approx. 4,100 Feet of 12-inch Distribution Main along N Western Road	\$0.74	Development	2031-2040
g	Approx. 5,300 Feet of 8-inch Distribution Main along W Hastings Ave	\$0.63	Development	2031-2040
h	Approx. 5,400 Feet of 12-inch Distribution Main along N Western Road	\$0.97	Development	2031-2040
i	Approx. 4,700 Feet of 12-inch Distribution Main along E Willow Creek Dr	\$1.42	Development	2031-2040
j	Approx. 3,100 Feet of 12-inch Distribution Main along N Lakeside Dr	\$1.45	Development	2031-2040
k	Approx. 5,400 Feet of 12-inch Distribution Main along Burlington Road	\$0.97	Development	2031-2040
l	Approx. 5,400 Feet of 12-inch Distribution Main along E Farmers Ave	\$0.97	Development	2031-2040
Total:		\$94.5 Million		

CIP Project Locations: 20 - 30 Year Timeline				
No.	Project Name	Const. & Eng. Cost (Millions)	Trigger(s)	Eng. Start Year
CIP Project Locations: 20 - 30 Year Timeline				
31	Development Related Distribution Mains	\$18.45	Development	2041-2050
a	Approx. 10,200 Feet of 12-inch Distribution Main along W Sandown Lane	\$1.83	Development	2041-2050
b	Approx. 5,100 Feet of 12-inch Distribution Main along W Loop 335 N	\$0.91	Development	2041-2050
c	Approx. 7,500 Feet of 12-inch Distribution Main along Tescosa Road	\$1.35	Development	2041-2050
d	Approx. 4,400 Feet of 12-inch Distribution Main along Tescosa Road	\$0.79	Development	2041-2050
e	Approx. 3,400 Feet of 12-inch Distribution Main along W Loop 335 N	\$0.61	Development	2041-2050
f	Approx. 4,300 Feet of 12-inch Distribution Main from Tescosa Road to N Soncy Road	\$0.77	Development	2041-2050
g	Approx. 5,100 Feet of 12-inch Distribution Main along N Soncy Road	\$0.91	Development	2041-2050
h	Approx. 4,700 Feet of 12-inch Distribution Main along Private Drive Perpendicular to N Soncy Road	\$0.84	Development	2041-2050
i	Approx. 5,600 Feet of 12-inch Distribution Main along N Soncy Road	\$1.00	Development	2041-2050
j	Approx. 5,800 Feet of 24-inch Distribution Main along SW 9th Ave	\$2.08	Development	2041-2050
k	Approx. 5,400 Feet of 16-inch Distribution Main along Helium Road	\$1.29	Development	2041-2050
l	Approx. 6,700 Feet of 8-inch Distribution Main from E Amarillo Blvd to SE 3rd Ave	\$0.80	Development	2041-2050
m	Approx. 7,800 Feet of 12-inch Distribution Main along I-40	\$1.40	Development	2041-2050
n	Approx. 5,500 Feet of 12-inch Distribution Main along Hwy 335	\$0.99	Development	2041-2050
o	Approx. 5,400 Feet of 12-inch Distribution Main Along Burlington Road	\$0.97	Development	2041-2050
p	Approx. 10,600 Feet of 12-inch Distribution Main Along Hwy 335	\$1.90	Development	2041-2050
Total:		\$18.45 Million		
GRAND TOTAL:		\$255 Million		



Figure ES-1. Projected Water System CIP