

5th Ave Watermain - 8th Street to 16th Street

7.8802

Total Project Cost	\$2,097,000	Category	Water
Section	7. Water Utility	Priority	3 Important
Location	5th Avenue - 8th Street to 16th Street		
Related Projects	5.0408, 8.0100		
Description	Install 12" main on 5th Avenue from 8th Street to 12th Street. Orange Avenue and 9th Street		
Justification	Master plan shows need for future major transmission main between 8th and 16th Street to better distribute major flows to west portion of the City. The project reinforces water flow to the 4th Avenue Corridor for enhanced fire suppression capability.		
Planning Context	Water Distribution Master Plan		
Type	Improvement		



Expenditures	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Construction	1,998,000										1,998,000
Inspection	99,000										99,000
Total	2,097,000										2,097,000
Funding Source	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Bond-Utility	1,000,000										1,000,000
Water Utility Fund	1,097,000										1,097,000
Total	2,097,000										2,097,000

City of Yuma, Arizona

New Water Services

7.9490

Total Project Cost	\$57,500	Category	Water
Section	7. Water Utility	Priority	2 Very Important
Location	Citywide		
Related Projects			
Description	New service installations including water meter boxes, polyvinylchloride (PVC) pipe and fittings.		
Justification	This project provides a funding account in order to finance water service line capital improvements to the water system in the course of the fiscal year.		
Planning Context			
Type	Improvement		

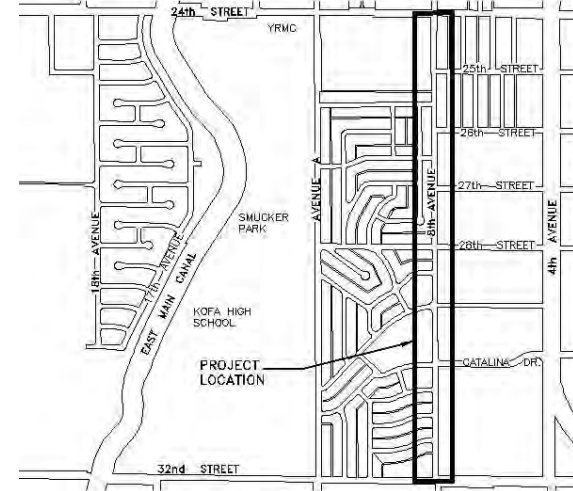


Expenditures	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Construction	17,500	20,000	20,000								57,500
Total	17,500	20,000	20,000								57,500
Funding Source	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Water Utility Fund	17,500	20,000	20,000								57,500
Total	17,500	20,000	20,000								57,500

8th Avenue Waterline - 24th St to 32nd St

7.9503

Total Project Cost \$595,000 **Category** Water
Section 7. Water Utility **Priority** 3 Important
Location 8th Avenue - 24th Street to 32nd Street
Related Projects 5.9508,7.9307, 9.9301
Description Replace existing 10 inch waterline in conjunction with street reconstruction.
Justification Existing line is of obsolete Simplex pipe and repair or replacement is difficult due to inconsistent pipe dimensions. Breaks are frequent.
Planning Context
Type Improvement

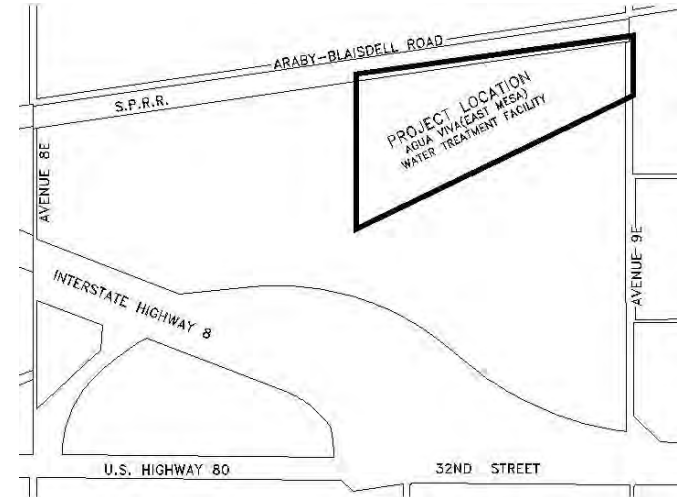


Expenditures	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Planning/Design	60,000										60,000
Construction		480,000									480,000
Inspection		55,000									55,000
Total	60,000	535,000									595,000
Funding Source	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Water Utility Fund	60,000	535,000									595,000
Total	60,000	535,000									595,000

Agua Viva Water Treatment Facility

7.9806

Total Project Cost	\$1,000,000	Category	Water
Section	7. Water Utility	Priority	2 Very Important
Location	SWC of Avenue 9E and Araby - Blaisdale Road (City owned property)		
Related Projects	7.0301		
Description	Feasibility study, design and construction of a larger water treatment facility with expansion capacity to 40 MGD to replace existing 1 MGD plant. Current phase will construct 24 MGD of treatment capacity. Funds shown are for project close-out.		
Justification	City of Yuma growth to the East warrants construction of a new treatment plant. Existing City capability supplies water volume and pressure necessary to meet the needs east of Avenue 3E.		
Planning Context			
Type	Improvement		



Expenditures	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Construction	750,000										750,000
Inspection	250,000										250,000
Total	1,000,000										1,000,000
Funding Source	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Bond-Utility	1,000,000										1,000,000
Total	1,000,000										1,000,000

Waterline Replacement/Improvements

7.9996

Total Project Cost	\$3,600,000	Category	Wastewater
Section	7. Water Utility	Priority	2 Very Important
Location	Various Street Projects		
Related Projects			
Description	Replacement of miscellaneous cast iron and cement asbestos or undersized waterline extensions found to be needed at time of construction of various street projects.		
Justification	System looping or extensions and water main replacement in conjunction with Street Projects. Provide water service to every lot prior to construction of street improvements to reduce the need for future pavement cuts.		
Planning Context	Multi-year Project.		
Type	Improvement		

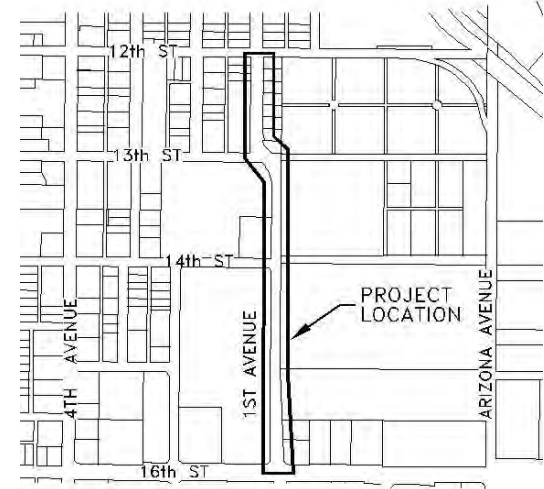


Expenditures	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Planning/Design	300,000										300,000
Construction	3,100,000										3,100,000
Inspection	200,000										200,000
Total	3,600,000										3,600,000
Funding Source	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Bond-Utility	1,800,000										1,800,000
Water Utility Fund	1,800,000										1,800,000
Total	3,600,000										3,600,000

1st Avenue Waterline - 12th Street to 16th Street

7.0103

Total Project Cost \$193,000 **Category** Water
Section 7. Water Utility **Priority** 2 Very Important
Location 1st Avenue - 12th Street to 16th Street
Related Projects 5.9602, 7.8225, 7.9417, 7.0300
Description Replacement of fifty (50) year-old Asbestos Cement Pipe (AC/Simplex) waterline, in conjunction with street improvement project. Project = 2,700 L.F.
Justification The existing pipe was not manufactured to uniform tolerances, making it difficult to acquire adapters, when tying into or repairing the pipe.
Planning Context
Type Improvement



Expenditures	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Construction	180,000										180,000
Inspection	13,000										13,000
Total	193,000										193,000
Funding Source	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Water Utility Fund	193,000										193,000
Total	193,000										193,000

City of Yuma, Arizona

1st Avenue Water Transmission Ln. - 5th to 17th St

7.0300

Total Project Cost	\$2,823,000	Category	Water
Section	7. Water Utility	Priority	2 Very Important
Location	1st Avenue - 5th Street to 17th Street		
Related Projects	5.8330, 7.9417, 7.9996, 8.0005		
Description	Install 20" transmission line to transport water to Zone 2 from the Main Street Water Treatment Facility.		
Justification	Recommended by 2008 Water Master Plan.		
Planning Context	Water Master Plan		
Type	Improvement		

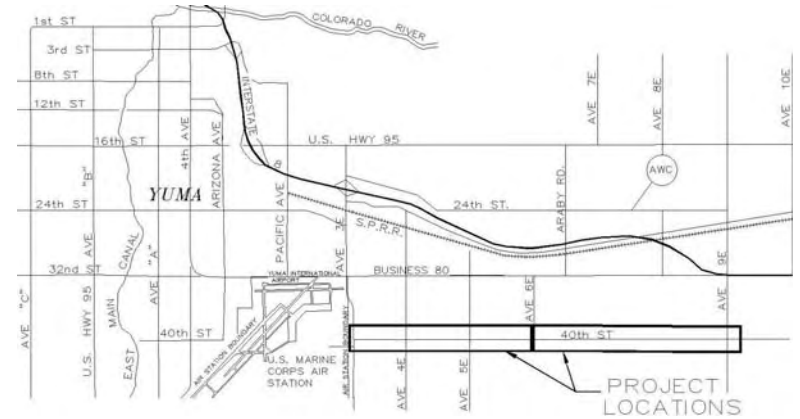


Expenditures	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Construction	2,650,000										2,650,000
Inspection	173,000										173,000
Total	2,823,000										2,823,000
Funding Source	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Bond-Utility	2,823,000										2,823,000
Total	2,823,000										2,823,000

40th St Water Transmission Ln - Ave 3E to Ave 9E

7.0302

Total Project Cost	\$2,000,000	Category	Water
Section	7. Water Utility	Priority	2 Very Important
Location	40th Street - Avenue 3E to Avenue 9E		
Related Projects	7.0114		
Description	Design and construction of a 30-inch water transmission line to support and bolster the local water distribution system along 40th Street. Phase I: Avenue 6E to Avenue 9E (Completed) Phase II: Avenue 3E to Avenue 6E (Under Construction)		
Justification	Provide additional transmission capacity to East Mesa.		
Planning Context	Area Service Highway Crossing has been coordinated with and installed with CIP No. 8.0105: East Mesa East Interceptor Sanitary Sewer. Rollover Project		
Type	Improvement		

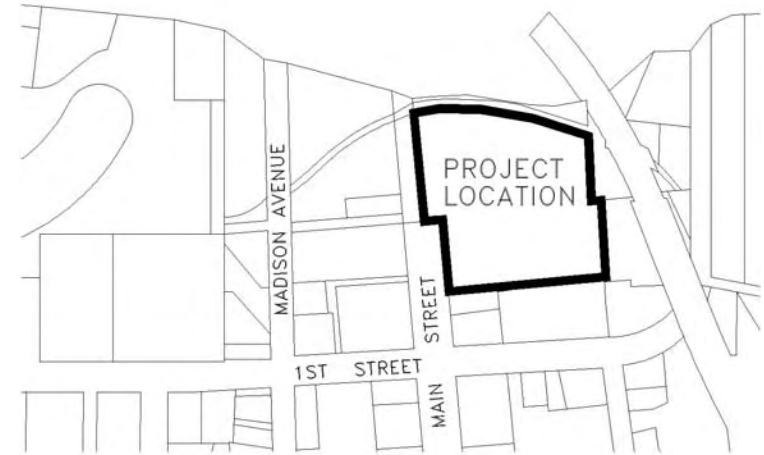


Expenditures	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Construction	1,900,000										1,900,000
Inspection	100,000										100,000
Total	2,000,000										2,000,000
Funding Source	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Bond-Utility	2,000,000										2,000,000
Total	2,000,000										2,000,000

Main Street WTF Auxiliary Power

7.0403

Total Project Cost	\$95,000	Category	Water
Section	7. Water Utility	Priority	3 Important
Location	Main Street Water Treatment Facility		
Related Projects			
Description	Evaluate critical auxiliary power requirements at the Main Street Water Treatment Facility; replace existing natural gas generator with diesel powered generator. Augment/expand existing generating capacity to meet plant power needs.		
Justification	Existing generator will not power all facilities needed to ensure uninterrupted water production during prolonged power outages. Additionally, a stand alone auxiliary generator will ensure uninterrupted water production.		
Planning Context	HDRC review may be required.		
Type	Improvement		



Expenditures	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Construction				95,000							95,000
Total				95,000							95,000
Funding Source	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Bond-Utility				95,000							95,000
Total				95,000							95,000

