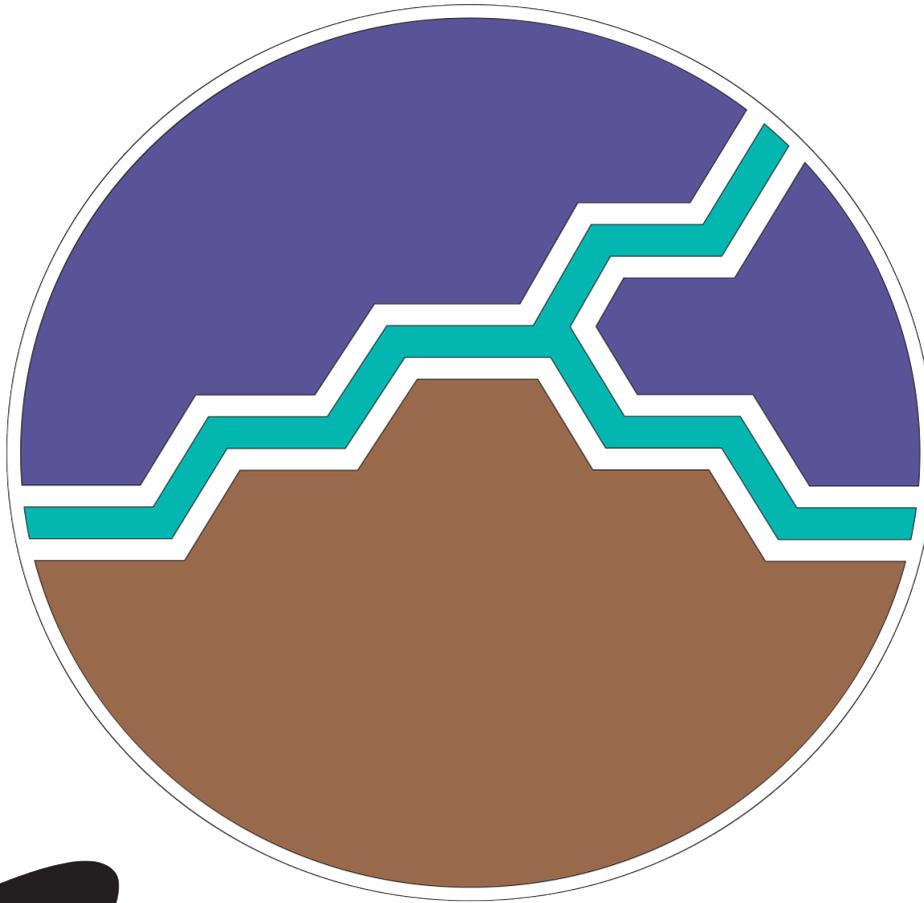


Capital Improvement Program 2019-2023



CITY OF
Yuma

Douglas J. Nicholls
Mayor

Gary Knight
Deputy Mayor

Leslie McClendon
Councilmember

Jacob Miller
Councilmember

Michael Shelton
Councilmember

Edward C. Thomas
Councilmember

Karen Watts
Councilmember

Gregory K. Wilkinson
City Administrator



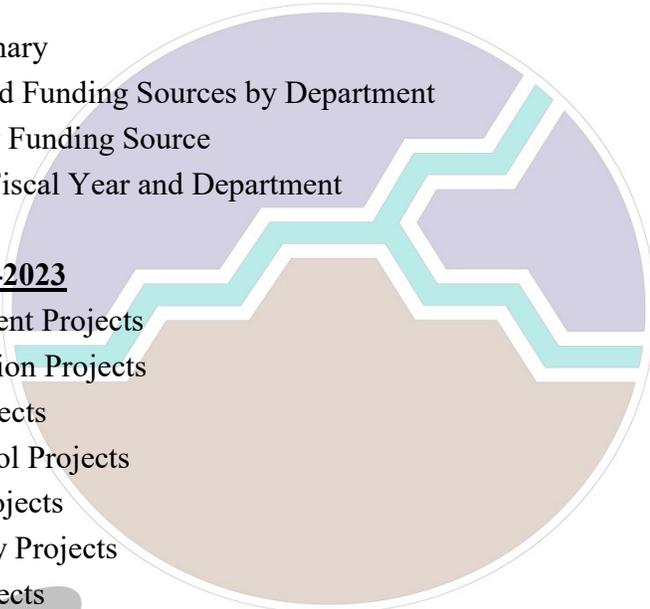
Ron Corbin
Deputy City Administrator

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City of Yuma Capital Improvement Program

Introduction

The City of Yuma's Capital Improvement Program (CIP) is the City's financial plan for the improvement and/or construction of municipal infrastructure. The purpose of the City's CIP is to identify and address infrastructure needs while adopting the goals and policies set forth by City Council and the City of Yuma General Plan. Our mission is to deliver quality public services and to advance the social and economic well-being of our present and future citizens. The role infrastructure plays in delivering quality services cannot be overstated.

Infrastructure includes basic physical structures, systems, and facilities needed to provide services to residents. Infrastructure includes our transportation system (streets, sidewalks, and bicycle paths), parks, fire stations, police facilities, storm sewers and retention basins, and water and sewer systems. Infrastructure impacts the community and its economy heavily. Capital projects represent a significant investment in the construction of new infrastructure and the improvement or expansion of existing infrastructure. Capital projects must be infrequent, systematic and a minimum of \$25,000. The impact of capital projects must be incorporated into each department's operating budget.

New projects are developed throughout the course of the fiscal year. New projects are proposed to Administration by City Council, the Planning and Zoning Commission, citizens, and staff. Once a project is proposed, it is evaluated for compatibility with City goals and policies, related projects, and priority. City goals and policies can be identified in a number of programs and plans adopted by City Council such as the City of Yuma General Plan, Transportation Master Plan, Infrastructure Improvements Plan, Bicycle Facilities Master Plan, and the Parks and Recreation Facility Plan, to name a few. These plans can be found on the City of Yuma website.

The City utilizes sound engineering principles throughout the consideration and execution process of each project in order to identify any major change in circumstance and ensures those changes have not rendered improvements obsolete. Specific safety concerns are addressed through the Citywide Safety Improvement Project and the City's Traffic Advisory Group (TAG).

Funding Sources

Once project compatibility is established, funding must be identified. Funding availability is a key factor in determining project initiation and completion timing. There are multiple funding sources available for capital projects. Funding sources are limited in both amount and how funds can be utilized. Once funding is established, projects are reviewed by Administration and Executive staff for approval. Whenever possible, projects are coordinated between departments to make the most efficient and effective use of public funds. For example, a street that requires complete pavement replacement will be evaluated to determine if utility improvements are also needed. After approval, the project is included in the Department's capital project schedule.

Bond Funds: These are debt securities issued by the City to finance capital projects. Bond proceeds being utilized currently are from the Municipal Property Corporation (MPC) 2007 Utility Series Bond and the 2015 MPC Senior Lien Excise Tax Revenue.

City Road Tax: The source of this funding is a local one-half percent transaction privilege tax approved by voters in 1994 for maintenance and construction of roads. City Road Tax revenues are primarily

utilized to support operations related to street activities, debt payments related to the 2007 Series B and D Bond Issues, and a small portion is dedicated to capital projects.

Development Fees: Municipalities in Arizona assess and collect development fees to offset infrastructure costs associated with providing necessary public services to new development. Development fees include the following necessary public services: parks and recreation, fire, police, general government, and streets. Fees are collected at the time building permits are issued.

Grant Funding: Grant Funding is continually pursued by City staff. Projects classified as “Grant” funded are projects that have been awarded grants. All grant funds are restricted to the purpose for which the grant is received. Often, the City will leverage one of the other funding sources listed to match grant dollars in order to complete a project that would not otherwise be considered.

Highway User Revenue Fund (HURF): Arizona collects revenues from gasoline tax, vehicle license tax, use-fuel tax, motor carrier fees, and vehicle registration fees. These revenues are placed in the Highway User Revenue Fund. Twenty seven and one-half percent (27.5%) of the HURF revenues are distributed to cities and towns. Each city or town receives a distribution that is based 50% on the population and 50% on gasoline sales within the county, distributed to cities and towns within the county based on population. These funds are restricted to maintenance and construction of highways and streets and related facilities.

Other - Proposed: This is funding from various internal and/or external sources.

Public Safety Tax: The source of this funding is a special two-tenths of one percent of the privilege license tax approved by voters in 1994 and renewed in 2010 for public safety and criminal justice facilities and equipment. Public safety tax funds are utilized to pay debt incurred for the construction of the Police Station and various public safety projects.

Sewer Utility: Sewer Utility funds are not supported by tax. Revenues are generated through a series of rate and capacity charges. Capacity charges are paid when construction permits are issued. Sewer Utility Fund revenues are primarily utilized to support operations related to sewer activities, debt payment related to the MPC2007 Utility Series bond, and a small portion is dedicated to capital projects.

Two Percent: The transaction privilege tax began in 1971 and has been renewed twice, most recently in 2009 for a ten year period. This transaction privilege tax applies to a small tax base which includes bars, hotels, and restaurants. Funding is restricted to recreational complexes, golf courses, parks, and the Yuma Crossing National Heritage Area.

Water Utility: Water Utility funds are not supported by tax. Revenues are generated through water sales and capacity charges. Capacity charges are paid when construction permits are issued. Water Utility Fund revenues are primarily utilized to support operations related to water activities, debt payment related to the MPC2007 Utility Series bond, and a small portion is dedicated to capital projects.

Challenges

Capital Improvements must address both ongoing maintenance of existing infrastructure and construction of new facilities to ensure that the City can maintain the desired level of service to its citizens. As a growing community, new facilities must be constructed to ensure that all citizens have the same access to services and facilities. Maintenance, such as resurfacing streets, replacing obsolete equipment, or replacing leaky roofs, is vital to the preservation of assets.

Major areas of concern are streets and retention basin maintenance. Funding for both of these activities is primarily provided by the City Road Tax or Highway User Revenue Fund (HURF). The gasoline tax in Arizona has remained fixed at 18 cents per gallon since 1991. Since that time the cost of a gallon of gas has more than doubled, construction costs have more than doubled and average vehicle fuel economy has also doubled. Further, the growth of alternative fuel vehicles, such as hybrids, propane powered and electric cars has resulted in a reduction in per capita gas consumption. Thus, revenues are decreasing while construction costs are increasing. In addition, the HURF allocations to Cities and Towns have been reduced in recent years to pay for non-highway expenses at the state level.

Years of diversion of HURF Funds from Cities and Towns, including the City of Yuma, has resulted in a deferral of pavement maintenance and replacement. At this time streets continue to deteriorate and the cost of repairs will exponentially increase as a result of peripheral damage. In addition, a large portion of the City Road Tax revenue is currently being used to pay debt service for improvements previously constructed with bond proceeds. Due to the shortage of funds available for street improvements, the Mayor and City Council have directed staff to allocate funds to arterial and collector roads, in order to balance public safety and receive a higher return on taxpayer's investment.

The City of Yuma strives to provide the highest level of service to its residents. Every day when citizens turn on a faucet, take out their trash, or drive down the street, it is testament to the hard work and dedication of our organization. Infrastructure is the foundation upon which the City delivers services. Addressing deteriorating, aging, and additional infrastructure needs is of utmost importance and is at the forefront of the Capital Improvement Program.

DEPARTMENT SUMMARY

Capital Improvement Program

City of Yuma, Arizona

Department	2019	2020	2021	2022	2023	Total
General Government	8,560,000					8,560,000
Parks and Recreation	100,000	1,466,000				1,566,000
Public Safety	1,080,000	760,000	5,460,000	2,600,000	619,000	10,519,000
Stormwater Control	1,685,000					1,685,000
Transportation	16,535,317	3,655,000	3,640,000	3,910,000	6,456,394	34,196,711
Wastewater Utility	4,780,000	7,850,000	3,850,000	2,350,000	1,850,000	20,680,000
Water Utility	6,269,000	7,430,000	4,365,000	3,555,000	4,610,000	26,229,000
YCNHA	1,615,000	1,165,000	15,000,000			17,780,000
TOTAL	40,624,317	22,326,000	32,315,000	12,415,000	13,535,394	121,215,711



Armed Forces Park - 281 Gila Street, Yuma, AZ 85364

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Capital Improvement Program

City of Yuma, Arizona

Department	2019	2020	2021	2022	2023	Total
General Government						
Citywide Development Fee Update	25,000					25,000
Development Fee	25,000					25,000
Fleet Services Maintenance Shop	8,535,000					8,535,000
Bond - 2015 Issue	8,435,000					8,435,000
Wastewater Utility Fund	100,000					100,000
General Government Total	8,560,000					8,560,000
Parks and Recreation						
Water Supply - East Wetlands, PAAC	100,000	1,466,000				1,566,000
Bond - 2015 Issue	100,000	966,000				1,066,000
Other - Proposed		500,000				500,000
Parks and Recreation Total	100,000	1,466,000				1,566,000
Public Safety						
Fire Station 4 Remodel	1,000,000	500,000				1,500,000
Public Safety Tax Fund	1,000,000	500,000				1,500,000
Police Storage Facility	80,000	260,000	5,000,000			5,340,000
Development Fee - Police		120,000	2,300,000			2,420,000
Public Safety Tax Fund	80,000	140,000	2,700,000			2,920,000
Fire Station 7 (D) - Construction			260,000	2,600,000		2,860,000
Development Fee - Fire			150,000	1,460,000		1,610,000
Public Safety Tax Fund			110,000	1,140,000		1,250,000
Public Safety Vehicles and Equipment			200,000			200,000
Development Fee - Fire			100,000			100,000
Development Fee - Police			100,000			100,000
PS Training Facility Vehicle Shade Cover					254,000	254,000
Public Safety Tax Fund					254,000	254,000
TRT Building Collapse/Confined Space Prop					365,000	365,000
Public Safety Tax Fund					365,000	365,000
Public Safety Total	1,080,000	760,000	5,460,000	2,600,000	619,000	10,519,000
Stormwater Control						
Citywide Stormwater Lift Station Upgrades	360,000					360,000
Highway Users Revenue Fund	360,000					360,000
Smucker Regional Basin	1,100,000					1,100,000
City Road Tax	1,100,000					1,100,000
Virginia Drive Retention Basin	225,000					225,000
Highway Users Revenue Fund	225,000					225,000
Stormwater Control Total	1,685,000					1,685,000

Department	2019	2020	2021	2022	2023	Total
Transportation						
16th Street Paving - Ave B to Ave C	1,805,000					1,805,000
City Road Tax	1,735,000					1,735,000
Wastewater Utility Fund	70,000					70,000
16th Street ROW Acquisition , 1st Ave to Maple Ave	20,000					20,000
City Road Tax	20,000					20,000
1st Avenue Paving - 12th St to 16th St	1,440,000					1,440,000
Bond - Water	500,000					500,000
City Road Tax	530,000					530,000
Wastewater Utility Fund	410,000					410,000
1st Avenue Paving - Orange Ave to 9th St	915,000					915,000
City Road Tax	450,000					450,000
Wastewater Utility Fund	45,000					45,000
Water Utility Fund	420,000					420,000
3rd Avenue and Orange Avenue Paving	665,317					665,317
City Road Tax	344,836					344,836
Water Utility Fund	320,481					320,481
4th Avenue Paving - 32nd St to 40th St	1,615,000					1,615,000
City Road Tax	1,590,000					1,590,000
Wastewater Utility Fund	25,000					25,000
8th Street Reconstruction - Ave C to Ave D	1,910,000					1,910,000
City Road Tax	1,910,000					1,910,000
Arizona Ave Paving - Palo Verde to Country Club Dr	315,000					315,000
City Road Tax	315,000					315,000
Avenue 6E Multiuse Path	250,000					250,000
City Road Tax	250,000					250,000
Avenue 9E Bike Lanes	350,000					350,000
Highway Users Revenue Fund	350,000					350,000
Avenue A Paving - 32nd St to 36th St	1,220,000					1,220,000
City Road Tax	1,220,000					1,220,000
Citywide Safety Improvements	40,000	40,000	40,000	40,000	40,000	200,000
City Road Tax	40,000	40,000	40,000	40,000	40,000	200,000
Gila St & Maiden Ln Paving - 1st St to Giss Pkwy	975,000					975,000
Bond - Water	312,000					312,000
City Road Tax	290,000					290,000
Wastewater Utility Fund	373,000					373,000
LED Streetlight System Retrofit	3,700,000					3,700,000
City Road Tax	3,700,000					3,700,000
North Frontage Road Paving - Ave 9E to Ave 10E	75,000	700,000				775,000
City Road Tax	75,000	700,000				775,000
Pavement Preservation	250,000	250,000	250,000	250,000	250,000	1,250,000
City Road Tax	250,000	250,000	250,000	250,000	250,000	1,250,000
Streetlight Pole Assessment and Replacement	200,000	200,000	200,000	200,000	200,000	1,000,000
City Road Tax	200,000	200,000	200,000	200,000	200,000	1,000,000
Traffic Signal Upgrades	650,000	250,000	250,000	250,000	250,000	1,650,000
City Road Tax	250,000	250,000	250,000	250,000	250,000	1,250,000
Highway Users Revenue Fund	400,000					400,000
Xeriscape Conversion	140,000	140,000	140,000	140,000	140,000	700,000
City Road Tax	140,000	140,000	140,000	140,000	140,000	700,000

Department	2019	2020	2021	2022	2023	Total
14th Street Paving - 1st Ave to 4th Ave		400,000				400,000
City Road Tax		215,000				215,000
Wastewater Utility Fund		15,000				15,000
Water Utility Fund		170,000				170,000
32nd St & Pacific Ave Intersection Improvements		105,000		1,325,000		1,430,000
City Road Tax		105,000		1,050,000		1,155,000
Development Fee - Transportation				275,000		275,000
32nd Street and Avenue 7E Turn Lane		180,000				180,000
City Road Tax		145,000				145,000
Development Fee - Transportation		35,000				35,000
32nd Street and Avenue 8E Turn Lane		200,000				200,000
City Road Tax		160,000				160,000
Development Fee - Transportation		40,000				40,000
32nd Street Paving - Ave B to Ave C		120,000		1,200,000		1,320,000
City Road Tax		120,000		1,200,000		1,320,000
40th Street Paving - Arizona Ave to Ave A		50,000	1,225,000			1,275,000
City Road Tax		50,000	1,225,000			1,275,000
45th Avenue Paving - 16th St to 20th St		440,000				440,000
City Road Tax		440,000				440,000
Arizona Avenue Paving - 33rd St to 40th St		40,000	1,525,000			1,565,000
City Road Tax		40,000	1,525,000			1,565,000
Avenue 10E Paving - 28th St to N Frontage Rd		440,000				440,000
City Road Tax		440,000				440,000
Intelligent Transportation System Master Plan		100,000				100,000
City Road Tax		100,000				100,000
Airport Loop Road Improvements			10,000	230,000		240,000
City Road Tax			10,000	230,000		240,000
12th Street Paving - 21st Dr to Ave B				15,000	160,000	175,000
City Road Tax				15,000	160,000	175,000
14th Avenue Paving -12th St to 16th St				100,000	1,100,000	1,200,000
City Road Tax				45,000	450,000	495,000
Wastewater Utility Fund					100,000	100,000
Water Utility Fund				55,000	550,000	605,000
28th Street - Ave C to 45th Ave				120,000	1,080,000	1,200,000
City Road Tax				50,000	480,000	530,000
Development Fee - Transportation				70,000	600,000	670,000
32nd Street and Avenue 5E Turn Lanes				40,000	360,000	400,000
City Road Tax				30,000	300,000	330,000
Development Fee - Transportation				10,000	60,000	70,000
18th Street and Avenue C Traffic Signal					375,000	375,000
City Road Tax					195,000	195,000
Development Fee - Transportation					55,000	55,000
Other - Proposed					125,000	125,000
28th Street Construction - Ave B to Ave C					1,580,000	1,580,000
City Road Tax					200,000	200,000
Development Fee - Transportation					1,380,000	1,380,000
8th Street & Pacific Avenue Corridor Improvements					60,000	60,000
City Road Tax					60,000	60,000
Avenue 3 1-2 E Paving - 32nd St to 40th St					811,394	811,394
City Road Tax					811,394	811,394
Triple S Industrial Park Paving					50,000	50,000
City Road Tax					50,000	50,000

Department	2019	2020	2021	2022	2023	Total
Transportation Total	16,535,317	3,655,000	3,640,000	3,910,000	6,456,394	34,196,711
Wastewater Utility						
Desert Dunes WRF Improvement Project Wastewater Utility Fund	600,000 600,000					600,000 600,000
Desert Dunes WRF Reclaimed Water System Other - Proposed Wastewater Utility Fund	180,000 180,000	1,020,000 1,020,000				1,200,000 1,020,000 180,000
Figueroa AWPCF Annual System Overhaul Wastewater Utility Fund	500,000 500,000	500,000 500,000	750,000 750,000	750,000 750,000		2,500,000 2,500,000
Figueroa AWPCF AZPDES Renewal Wastewater Utility Fund	100,000 100,000					100,000 100,000
Figueroa AWPCF Electrical Upgrades Wastewater Utility Fund	2,700,000 2,700,000	2,200,000 2,200,000				4,900,000 4,900,000
Manhole Rehabilitation/Reconstruction Wastewater Utility Fund	300,000 300,000	300,000 300,000	300,000 300,000	300,000 300,000	300,000 300,000	1,500,000 1,500,000
Sewer Line Replacements/Improvements Wastewater Utility Fund	100,000 100,000	100,000 100,000	100,000 100,000	100,000 100,000	100,000 100,000	500,000 500,000
Wastewater Collection System Lift Station Upgrade Wastewater Utility Fund	300,000 300,000	300,000 300,000	300,000 300,000	300,000 300,000	300,000 300,000	1,500,000 1,500,000
Avenue 5E, Water and Sewer Extension Wastewater Utility Fund Water Utility Fund		1,630,000 1,170,000 460,000				1,630,000 1,170,000 460,000
Desert Dunes WRF UV Disinfection System Upgrades Wastewater Utility Fund		150,000 150,000	1,050,000 1,050,000			1,200,000 1,200,000
Ferrous Chloride Injection System Upgrade Wastewater Utility Fund		1,500,000 1,500,000				1,500,000 1,500,000
Figueroa AWPCF Corrosion Control Wastewater Utility Fund		150,000 150,000	1,150,000 1,150,000			1,300,000 1,300,000
Septic Waste Receiving Station Wastewater Utility Fund			100,000 100,000			100,000 100,000
Wastewater Vac Truck Dump Station Upgrades Wastewater Utility Fund			100,000 100,000	900,000 900,000		1,000,000 1,000,000
Desert Dunes WRF Solids Handling Upgrades Other - Proposed					1,000,000 1,000,000	1,000,000 1,000,000
Figueroa AWPCF Co-Gen Project Other - Proposed					150,000 150,000	150,000 150,000
Wastewater Utility Total	4,780,000	7,850,000	3,850,000	2,350,000	1,850,000	20,680,000

Water Utility						
Agua Viva WTP SCADA Network Upgrade Water Utility Fund	275,000 275,000					275,000 275,000
Main Street WTP Filter System Upgrade Water Utility Fund	140,000 140,000	2,400,000 2,400,000	2,260,000 2,260,000			4,800,000 4,800,000
Main Street WTP Sediment Basins Improvements Water Utility Fund	400,000 400,000					400,000 400,000
Utility Systems Division Relocation	4,154,000					4,154,000

Department	2019	2020	2021	2022	2023	Total
Wastewater Utility Fund	2,077,000					2,077,000
Water Utility Fund	2,077,000					2,077,000
Water Main Replacement Annual Project	1,000,000	1,500,000	1,500,000	1,500,000	1,500,000	7,000,000
Water Utility Fund	1,000,000	1,500,000	1,500,000	1,500,000	1,500,000	7,000,000
Water Service Replacement	50,000	55,000	55,000	55,000	60,000	275,000
Water Utility Fund	50,000	55,000	55,000	55,000	60,000	275,000
Waterline Replacement/Improvements	250,000	250,000	250,000	250,000	250,000	1,250,000
Water Utility Fund	250,000	250,000	250,000	250,000	250,000	1,250,000
36th Street Water Main Extension		250,000				250,000
Water Utility Fund		250,000				250,000
Agua Viva WTP Membrane Replacement		300,000	300,000	300,000	300,000	1,200,000
Water Utility Fund		300,000	300,000	300,000	300,000	1,200,000
Agua Viva WTP Well No. 1 Replacement		2,275,000				2,275,000
Water Utility Fund		2,275,000				2,275,000
Avenue C - 16th St 18th St Waterline Replacement		400,000				400,000
Water Utility Fund		400,000				400,000
Loma Vista Subdivision Service Line Replacement				250,000		250,000
Water Utility Fund				250,000		250,000
Strategic Groundwater Wells and Filtration System				1,200,000	2,500,000	3,700,000
Water Utility Fund				1,200,000	2,500,000	3,700,000
Water Utility Total	6,269,000	7,430,000	4,365,000	3,555,000	4,610,000	26,229,000
YCNHA						
Downtown Revitalization	320,000					320,000
Grant	320,000					320,000
West Wetlands Lower Bench Completion	85,000					85,000
Grant	85,000					85,000
Yuma Multimodal Center	1,210,000	1,165,000	15,000,000			17,375,000
Grant	965,000	930,000				1,895,000
Other - Proposed	245,000		15,000,000			15,245,000
Two Percent Tax		235,000				235,000
YCNHA Total	1,615,000	1,165,000	15,000,000			17,780,000
GRAND TOTAL	40,624,317	22,326,000	32,315,000	12,415,000	13,535,394	121,215,711

PROJECTS BY FUNDING SOURCE

Capital Improvement Program

City of Yuma, Arizona

Source	2019	2020	2021	2022	2023	Total
Bond - 2015 Issue						
Fleet Services Maintenance Shop	8,435,000					8,435,000
Water Supply - East Wetlands, PAAC	100,000	966,000				1,066,000
Bond - 2015 Issue Total	8,535,000	966,000				9,501,000
Bond - Water						
1st Avenue Paving - 12th St to 16th St	500,000					500,000
Gila St & Maiden Ln Paving - 1st St to Giss Pkwy	312,000					312,000
Bond - Water Total	812,000					812,000
City Road Tax						
16th Street Paving - Ave B to Ave C	1,735,000					1,735,000
16th Street ROW Acquisition , 1st Ave to Maple Ave	20,000					20,000
1st Avenue Paving - 12th St to 16th St	530,000					530,000
1st Avenue Paving - Orange Ave to 9th St	450,000					450,000
3rd Avenue and Orange Avenue Paving	344,836					344,836
4th Avenue Paving - 32nd St to 40th St	1,590,000					1,590,000
8th Street Reconstruction - Ave C to Ave D	1,910,000					1,910,000
Arizona Ave Paving - Palo Verde to Country Club Dr	315,000					315,000
Avenue 6E Multiuse Path	250,000					250,000
Avenue A Paving - 32nd St to 36th St	1,220,000					1,220,000
Citywide Safety Improvements	40,000	40,000	40,000	40,000	40,000	200,000
Gila St & Maiden Ln Paving - 1st St to Giss Pkwy	290,000					290,000
LED Streetlight System Retrofit	3,700,000					3,700,000
North Frontage Road Paving - Ave 9E to Ave 10E	75,000	700,000				775,000
Pavement Preservation	250,000	250,000	250,000	250,000	250,000	1,250,000
Smucker Regional Basin	1,100,000					1,100,000
Streetlight Pole Assessment and Replacement	200,000	200,000	200,000	200,000	200,000	1,000,000
Traffic Signal Upgrades	250,000	250,000	250,000	250,000	250,000	1,250,000
Xeriscape Conversion	140,000	140,000	140,000	140,000	140,000	700,000
14th Street Paving - 1st Ave to 4th Ave		215,000				215,000
32nd St & Pacific Ave Intersection Improvements		105,000		1,050,000		1,155,000
32nd Street and Avenue 7E Turn Lane		145,000				145,000
32nd Street and Avenue 8E Turn Lane		160,000				160,000
32nd Street Paving - Ave B to Ave C		120,000		1,200,000		1,320,000
40th Street Paving - Arizona Ave to Ave A		50,000	1,225,000			1,275,000
45th Avenue Paving - 16th St to 20th St		440,000				440,000
Arizona Avenue Paving - 33rd St to 40th St		40,000	1,525,000			1,565,000
Avenue 10E Paving - 28th St to N Frontage Rd		440,000				440,000
Intelligent Transportation System Master Plan		100,000				100,000
Airport Loop Road Improvements			10,000	230,000		240,000
12th Street Paving - 21st Dr to Ave B				15,000	160,000	175,000
14th Avenue Paving -12th St to 16th St				45,000	450,000	495,000
28th Street - Ave C to 45th Ave				50,000	480,000	530,000
32nd Street and Avenue 5E Turn Lanes				30,000	300,000	330,000

Source	2019	2020	2021	2022	2023	Total
18th Street and Avenue C Traffic Signal					195,000	195,000
28th Street Construction - Ave B to Ave C					200,000	200,000
8th Street & Pacific Avenue Corridor Improvements					60,000	60,000
Avenue 3 1-2 E Paving - 32nd St to 40th St					811,394	811,394
Triple S Industrial Park Paving					50,000	50,000
City Road Tax Total	14,409,836	3,395,000	3,640,000	3,500,000	3,586,394	28,531,230
Development Fee						
Citywide Development Fee Update		25,000				25,000
Development Fee Total		25,000				25,000
Development Fee - Fire						
Fire Station 7 (D) - Construction			150,000	1,460,000		1,610,000
Public Safety Vehicles and Equipment			100,000			100,000
Development Fee - Fire Total			250,000	1,460,000		1,710,000
Development Fee - Police						
Police Storage Facility		120,000	2,300,000			2,420,000
Public Safety Vehicles and Equipment			100,000			100,000
Development Fee - Police Total		120,000	2,400,000			2,520,000
Development Fee - Transportation						
32nd Street and Avenue 7E Turn Lane		35,000				35,000
32nd Street and Avenue 8E Turn Lane		40,000				40,000
28th Street - Ave C to 45th Ave				70,000	600,000	670,000
32nd St & Pacific Ave Intersection Improvements				275,000		275,000
32nd Street and Avenue 5E Turn Lanes				10,000	60,000	70,000
18th Street and Avenue C Traffic Signal					55,000	55,000
28th Street Construction - Ave B to Ave C					1,380,000	1,380,000
Development Fee - Transportation Total		75,000		355,000	2,095,000	2,525,000
Grant						
Downtown Revitalization		320,000				320,000
West Wetlands Lower Bench Completion		85,000				85,000
Yuma Multimodal Center		965,000	930,000			1,895,000
Grant Total		1,370,000	930,000			2,300,000
Highway Users Revenue Fund						
Avenue 9E Bike Lanes		350,000				350,000
Citywide Stormwater Lift Station Upgrades		360,000				360,000
Traffic Signal Upgrades		400,000				400,000
Virginia Drive Retention Basin		225,000				225,000
Highway Users Revenue Fund Total		1,335,000				1,335,000
Other - Proposed						

Source	2019	2020	2021	2022	2023	Total
Yuma Multimodal Center	245,000		15,000,000			15,245,000
Desert Dunes WRF Reclaimed Water System		1,020,000				1,020,000
Water Supply - East Wetlands, PAAC		500,000				500,000
18th Street and Avenue C Traffic Signal					125,000	125,000
Desert Dunes WRF Solids Handling Upgrades					1,000,000	1,000,000
Figueroa AWPCF Co-Gen Project					150,000	150,000
Other - Proposed Total	245,000	1,520,000	15,000,000		1,275,000	18,040,000

Public Safety Tax Fund

Fire Station 4 Remodel	1,000,000	500,000				1,500,000
Police Storage Facility	80,000	140,000	2,700,000			2,920,000
Fire Station 7 (D) - Construction			110,000	1,140,000		1,250,000
PS Training Facility Vehicle Shade Cover					254,000	254,000
TRT Building Collapse/Confined Space Prop					365,000	365,000
Public Safety Tax Fund Total	1,080,000	640,000	2,810,000	1,140,000	619,000	6,289,000

Two Percent Tax

Yuma Multimodal Center		235,000				235,000
Two Percent Tax Total		235,000				235,000

Wastewater Utility Fund

16th Street Paving - Ave B to Ave C	70,000					70,000
1st Avenue Paving - 12th St to 16th St	410,000					410,000
1st Avenue Paving - Orange Ave to 9th St	45,000					45,000
4th Avenue Paving - 32nd St to 40th St	25,000					25,000
Desert Dunes WRF Improvement Project	600,000					600,000
Desert Dunes WRF Reclaimed Water System	180,000					180,000
Figueroa AWPCF Annual System Overhaul	500,000	500,000	750,000	750,000		2,500,000
Figueroa AWPCF AZPDES Renewal	100,000					100,000
Figueroa AWPCF Electrical Upgrades	2,700,000	2,200,000				4,900,000
Fleet Services Maintenance Shop	100,000					100,000
Gila St & Maiden Ln Paving - 1st St to Giss Pkwy	373,000					373,000
Manhole Rehabilitation/Reconstruction	300,000	300,000	300,000	300,000	300,000	1,500,000
Sewer Line Replacements/Improvements	100,000	100,000	100,000	100,000	100,000	500,000
Utility Systems Division Relocation	2,077,000					2,077,000
Wastewater Collection System Lift Station Upgrade	300,000	300,000	300,000	300,000	300,000	1,500,000
14th Street Paving - 1st Ave to 4th Ave		15,000				15,000
Avenue 5E, Water and Sewer Extension		1,170,000				1,170,000
Desert Dunes WRF UV Disinfection System Upgrades		150,000	1,050,000			1,200,000
Ferrous Chloride Injection System Upgrade		1,500,000				1,500,000
Figueroa AWPCF Corrosion Control		150,000	1,150,000			1,300,000
Septic Waste Receiving Station			100,000			100,000
Wastewater Vac Truck Dump Station Upgrades			100,000	900,000		1,000,000
14th Avenue Paving -12th St to 16th St					100,000	100,000
Wastewater Utility Fund Total	7,880,000	6,385,000	3,850,000	2,350,000	800,000	21,265,000

Water Utility Fund

1st Avenue Paving - Orange Ave to 9th St	420,000					420,000
3rd Avenue and Orange Avenue Paving	320,481					320,481

Source	2019	2020	2021	2022	2023	Total
Agua Viva WTP SCADA Network Upgrade	275,000					275,000
Main Street WTP Filter System Upgrade	140,000	2,400,000	2,260,000			4,800,000
Main Street WTP Sediment Basins Improvements	400,000					400,000
Utility Systems Division Relocation	2,077,000					2,077,000
Water Main Replacement Annual Project	1,000,000	1,500,000	1,500,000	1,500,000	1,500,000	7,000,000
Water Service Replacement	50,000	55,000	55,000	55,000	60,000	275,000
Waterline Replacement/Improvements	250,000	250,000	250,000	250,000	250,000	1,250,000
14th Street Paving - 1st Ave to 4th Ave		170,000				170,000
36th Street Water Main Extension		250,000				250,000
Agua Viva WTP Membrane Replacement		300,000	300,000	300,000	300,000	1,200,000
Agua Viva WTP Well No. 1 Replacement		2,275,000				2,275,000
Avenue 5E, Water and Sewer Extension		460,000				460,000
Avenue C - 16th St 18th St Waterline Replacement		400,000				400,000
14th Avenue Paving -12th St to 16th St				55,000	550,000	605,000
Loma Vista Subdivision Service Line Replacement				250,000		250,000
Strategic Groundwater Wells and Filtration System				1,200,000	2,500,000	3,700,000
Water Utility Fund Total	4,932,481	8,060,000	4,365,000	3,610,000	5,160,000	26,127,481
GRAND TOTAL	40,624,317	22,326,000	32,315,000	12,415,000	13,535,394	121,215,711



Candyland - Joe Henry Optimist Center Park - 1793 S. 1st Avenue, Yuma, AZ 85364

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Capital Improvement Program
City of Yuma, Arizona

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City of Yuma, Arizona

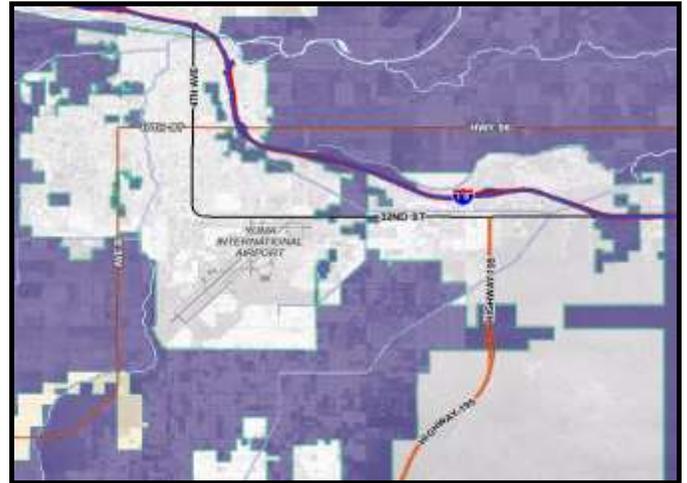
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Fleet Services Conceptual Drawing - 190 14th Street, Yuma, AZ 85364

Citywide Development Fee Update

Total Cost	\$25,000
Type	Assessment
Progress	Implementing
Category	Citywide Assessment
Location	Citywide



Justification

Municipalities in Arizona assess development fees to offset infrastructure costs associated with providing necessary public services. Municipalities are required to update the Land Use Assumptions and Infrastructure Improvements Plan at least every five years. The Land Use Assumptions and Infrastructure Improvements Plan were last updated in January 2012.

Description

Update the City’s Land Use Assumptions document to reflect projections of change in land uses, intensities in population for a specified services area over a period of at least ten years and pursuant to the General Plan. Update the Infrastructure Improvements Plan and Development Fees for the North Service Area for several categories of necessary public services pursuant to Arizona Revised Statutes 9-463.05.

Expenditures	2019	2020	2021	2022	2023	Total
Planning	25,000					25,000
Total	25,000					25,000

Funding Sources	2019	2020	2021	2022	2023	Total
Development Fee	25,000					25,000
Total	25,000					25,000

Fleet Services Maintenance Shop

Total Cost **\$8,535,000**
Type **Building**
Progress **Under Construction**
Category **Facility**
Location **190 W 14th St**



Justification

The Fleet Services Division of the City of Yuma Public Works Department is responsible for vehicle maintenance and equipment-related support services for all City departments. The Division currently operates out of a 7,000 square foot building located at 1441 South 2nd Avenue. The current building is undersized and many of the building support systems are obsolete. As a result, a significant portion of operations occurs in outdoor areas adjacent to the building or under canopies and shade structures located throughout the site. As a result, operations are inefficient and work may be delayed during hotter times of the year due to a lack of indoor service bays.

Description

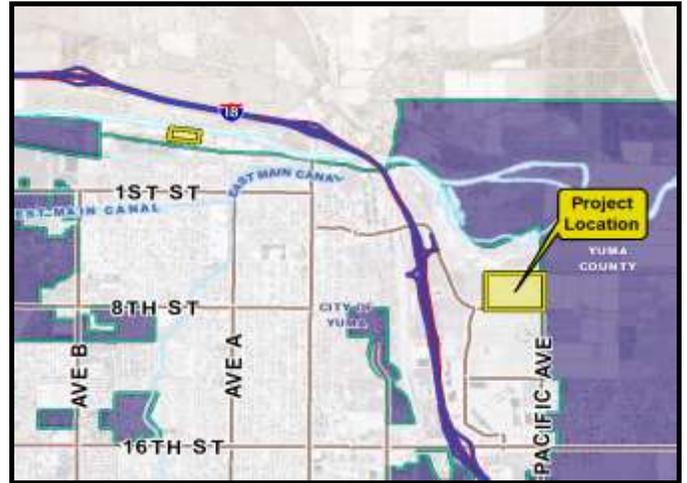
Construct a new 41,000 square foot building and outdoor service areas at 190 West 14th Street for the relocation of the Fleet Maintenance Complex with storage for street, solid waste, fire, parks, police and utility vehicles and equipment.

Expenditures	2019	2020	2021	2022	2023	Total
Design	100,000					100,000
Construction	8,435,000					8,435,000
Total	8,535,000					8,535,000

Funding Sources	2019	2020	2021	2022	2023	Total
Bond - 2015 Issue	8,435,000					8,435,000
Wastewater Utility Fund	100,000					100,000
Total	8,535,000					8,535,000

Water Supply - East Wetlands, PAAC

Total Cost \$1,566,000
Type Improvement
Progress Planning
Category Park Improvements
Location East Wetlands



Justification

In 2000, the City of Yuma and the Quechan Tribe partnered to restore 380 acres of wetlands within the main stem of the Colorado River, lying East of Downtown Yuma. The East Wetlands is now part of the Lower Colorado River Multi-Species Conservation Plan. Water is currently delivered to the East Wetlands by pumping out of the Colorado River Main Channel. The pumps are located in an area without electric service and require diesel fuel to be operated. Improving water supply to the East Wetlands will support the long term vision of restoring habitat along the Lower Colorado River for targeted riparian species.

Description

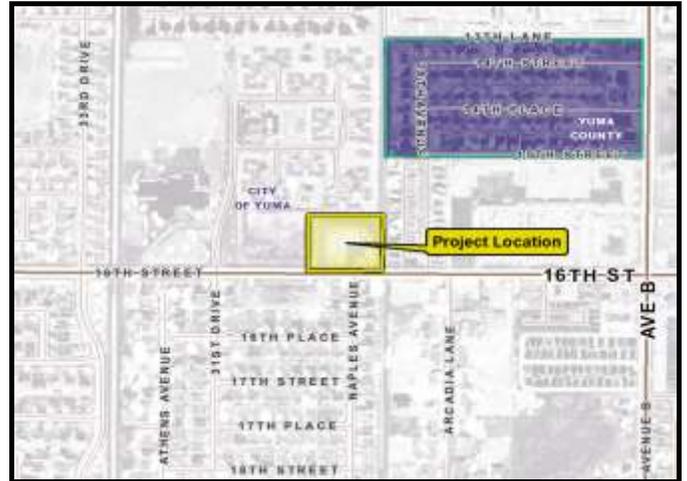
Construct a gravity water supply to route water to the East Wetland. The source of water would be return flow from the Yuma Irrigation District. This flow would be collected and routed through a new buried conduit located adjacent to the Colorado River Levee. The route of the conduit would also provide non-potable water to the Pacific Avenue Athletic Complex for irrigation of turf grass and replenishment of the urban lake constructed at this site.

Expenditures	2019	2020	2021	2022	2023	Total
Design	100,000					100,000
Construction		1,466,000				1,466,000
Total	100,000	1,466,000				1,566,000

Funding Sources	2019	2020	2021	2022	2023	Total
Bond - 2015 Issue	100,000	966,000				1,066,000
Other - Proposed		500,000				500,000
Total	100,000	1,466,000				1,566,000

Fire Station 4 Remodel

Total Cost **\$1,500,000**
Type **Construction**
Progress **Under Design**
Category **Buildings**
Location **2850 W 16th St**



Justification

Fire Station #4 is a two bay station built in 1978. It was the first station to be equipped with automatic fire sprinklers. Fire Station #4 is identified in the City of Yuma Fire Department Fire Services and Facilities Plan as a station in need of improvements. A full assessment of the Fire Station will be conducted prior to executing a remodel.

Description

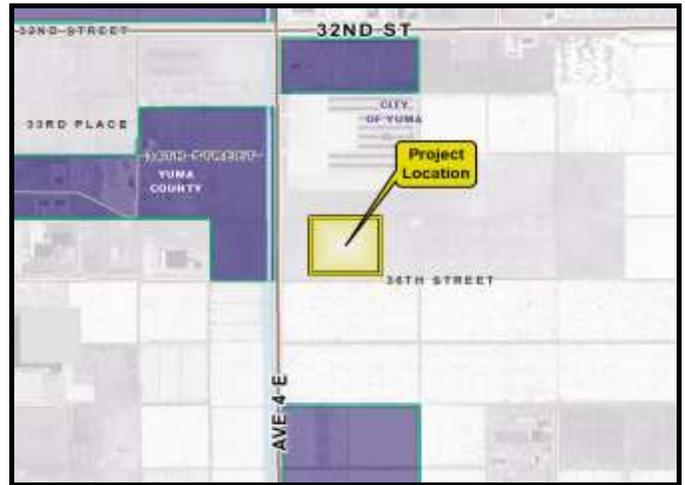
Conduct a building assessment, design and execute the remodel of Fire Station #4.

Expenditures	2019	2020	2021	2022	2023	Total
Construction	1,000,000	500,000				1,500,000
Total	1,000,000	500,000				1,500,000

Funding Sources	2019	2020	2021	2022	2023	Total
Public Safety Tax Fund	1,000,000	500,000				1,500,000
Total	1,000,000	500,000				1,500,000

Police Storage Facility

Total Cost **\$5,340,000**
Type **Construction**
Progress **Planning**
Category **Buildings**
Location **Avenue 4E and 36th Street**



Justification

The secure impound and evidence storage is nearing capacity with demand not expected to diminish. It is important to begin planning and securing an alternative means of secure storage.

Description

Design and construct a facility to store police impound/evidence vehicles for an extended period of time.

Expenditures	2019	2020	2021	2022	2023	Total
Design		260,000				260,000
Construction			5,000,000			5,000,000
Planning	80,000					80,000
Total	80,000	260,000	5,000,000			5,340,000

Funding Sources	2019	2020	2021	2022	2023	Total
Development Fee - Police		120,000	2,300,000			2,420,000
Public Safety Tax Fund	80,000	140,000	2,700,000			2,920,000
Total	80,000	260,000	5,000,000			5,340,000

Fire Station 7 (D) - Construction

Total Cost	\$2,860,000
Type	Construction
Progress	Not Started
Category	Buildings
Location	34th St & Ave 8½E



Justification

Fire Station #5 is currently covering the east side of the City with two Engine Companies. Relocating one of these Engine Companies will improve the Fire Department's ability to meet the needs of the residents and businesses in the area. This station is identified in the City of Yuma Fire Department Fire Services and Facilities Plan.

Description

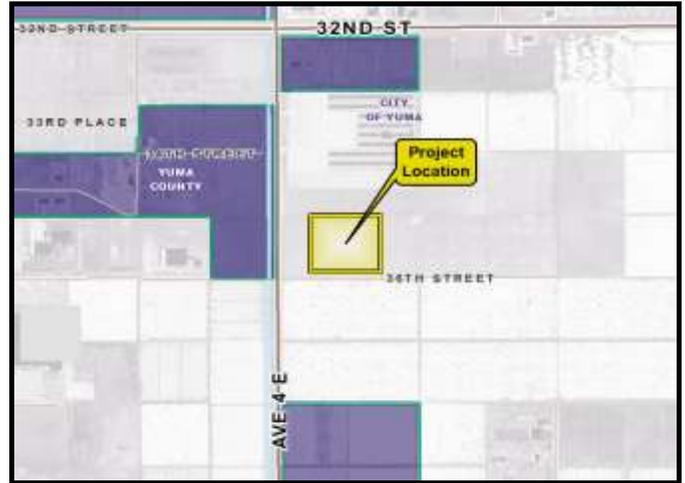
Design and construct a 2-bay Fire Station on the Northeast corner of 34th Street and Avenue 8½E.

Expenditures	2019	2020	2021	2022	2023	Total
Design			260,000			260,000
Construction				2,600,000		2,600,000
Total			260,000	2,600,000		2,860,000

Funding Sources	2019	2020	2021	2022	2023	Total
Development Fee - Fire			150,000	1,460,000		1,610,000
Public Safety Tax Fund			110,000	1,140,000		1,250,000
Total			260,000	2,600,000		2,860,000

PS Training Facility Vehicle Shade Cover

Total Cost **\$254,000**
Type **Construction**
Progress **Not Started**
Category **Other**
Location **Public Safety Training Facility**



Justification

The City of Yuma Police and Fire Departments need an area to park several specialized vehicles such as command vehicles and a Special Ops trailer. Fire Station #1 has been remodeled and the drafting pit removed from that location. The Fire Department requires a drafting pit to do annual service pump testing. The Public Safety Training Facility is logistically the preferred location to construct the drafting pit.

Description

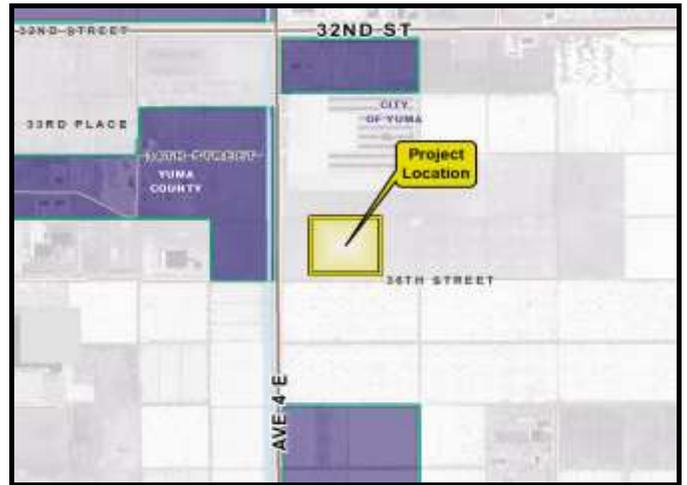
Construct a Public Safety Training Facility vehicle shade cover with drafting pit.

Expenditures	2019	2020	2021	2022	2023	Total
Design					50,000	50,000
Construction					200,000	200,000
Inspection					4,000	4,000
Total					254,000	254,000

Funding Sources	2019	2020	2021	2022	2023	Total
Public Safety Tax Fund					254,000	254,000
Total					254,000	254,000

TRT Building Collapse/Confined Space Prop

Total Cost **\$365,000**
Type **Construction**
Progress **Not Started**
Category **Other**
Location **Public Safety Training Facility**



Justification

The City of Yuma Fire Department provides full Technical Rescue Team (TRT) rescue services. This prop will provide the needed training experience for continuous training and equipment familiarization. Operational readiness and effectiveness will be the result of the training.

Description

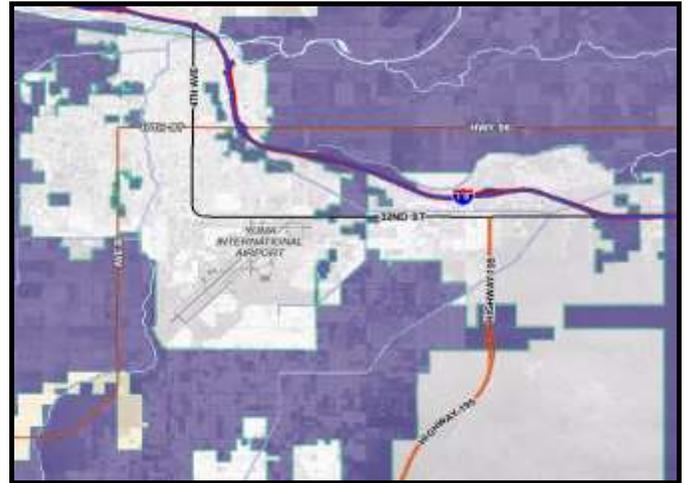
Construction and design of a Technical Rescue Team (TRT) building collapse and confined space prop.

Expenditures	2019	2020	2021	2022	2023	Total
Design					50,000	50,000
Construction					300,000	300,000
Inspection					15,000	15,000
Total					365,000	365,000

Funding Sources	2019	2020	2021	2022	2023	Total
Public Safety Tax Fund					365,000	365,000
Total					365,000	365,000

Citywide Stormwater Lift Station Upgrades

Total Cost **\$360,000**
Type **Improvement**
Progress **Implementing**
Category **Storm Sewer/Drainage**
Location **Citywide**



Justification

Stormwater lift stations throughout the City have deteriorated due to age and exposure to elements. Public Works will assess the integrity of vital lift station components and upgrade or replace as needed.

Description

Replace pumps and upgrade the electrical components of stormwater lift stations.

Expenditures	2019	2020	2021	2022	2023	Total
Installation	360,000					360,000
Total	360,000					360,000

Funding Sources	2019	2020	2021	2022	2023	Total
Highway Users Revenue Fund	360,000					360,000
Total	360,000					360,000

Smucker Regional Basin

Total Cost **\$1,100,000**
Type **Construction**
Progress **Design Complete**
Category **Storm Sewer/Drainage**
Location **Area Surrounding Smucker Park**



Justification

The basin was first proposed to the Yuma County Flood Control District (YCFCD) in 1996 by the West Yuma Mesa Storm Drainage Discharge System Study. The Arizona Department of Water Resources has classified this basin as a dam. The overall costs for this project will exceed 9 million dollars. The construction activities and costs will be managed by YCFCD. The basin construction will be primarily funded by the YCFCD, the City’s portion of the costs are identified below.

Description

A 42 inch diameter pipe will be installed at the intersections of 28th Street and Westridge Drive at Avenue A. A storm water collection basin will be built east of the East Main Canal and on the northwest corner of Smucker Park.

Expenditures	2019	2020	2021	2022	2023	Total
Construction	1,100,000					1,100,000
Total	1,100,000					1,100,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax	1,100,000					1,100,000
Total	1,100,000					1,100,000

Virginia Drive Retention Basin

Total Cost **\$225,000**
Type **Construction**
Progress **Design Complete**
Category **Storm Sewer/Drainage**
Location **Virginia Dr and 28th St**



Justification

Virginia Drive at the intersection of 28th Street has been known to flood during past heavy rain events, based on field observations by City staff and complaints from adjacent property owners. There are four grate inlets at this sump area but they are not adequate to intercept all runoff in significant storms as the drainage area is quite substantial. Also, the drainage inlets are tied in series and are connected to the 30" storm drain mainline at an inappropriate angle (exceeding 90 degrees against the flow direction), further compounding the problem. Construction of a retention basin at this location will allow runoff to be removed from the roadway, providing relief to the existing storm drain system and reduce flooding.

Description

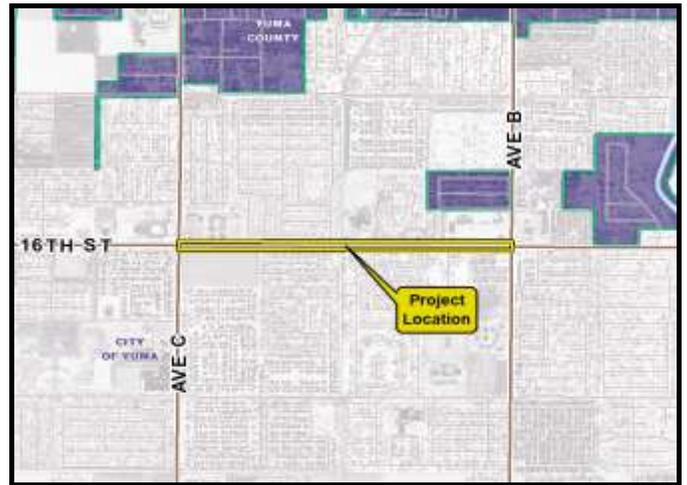
Construct a retention basin to divert and hold excess storm water runoff.

Expenditures	2019	2020	2021	2022	2023	Total
Construction	225,000					225,000
Total	225,000					225,000

Funding Sources	2019	2020	2021	2022	2023	Total
Highway Users Revenue Fund	225,000					225,000
Total	225,000					225,000

16th Street Paving - Ave B to Ave C

Total Cost **\$1,805,000**
Type **Construction**
Progress **Under Design**
Category **Street Paving**
Location **16th St from Ave B to Ave C**



Justification

The existing pavement has deteriorated with severe cracking and abrasive block cracking, necessitating pavement replacement. The wastewater infrastructure in this segment of road is outdated. Replacing the infrastructure will prevent future failure and improve service levels.

Description

Remove and replace the existing pavement on 16th Street from Avenue B to Avenue C.

Expenditures	2019	2020	2021	2022	2023	Total
Construction	1,805,000					1,805,000
Total	1,805,000					1,805,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax	1,735,000					1,735,000
Wastewater Utility Fund	70,000					70,000
Total	1,805,000					1,805,000

16th Street ROW Acquisition - 1st Ave to Maple Ave

Total Cost	\$20,000
Type	Assessment
Progress	Planning
Category	Other
Location	16th St/1st Ave - Maple Ave



Justification

Over the past few years, the City of Yuma has completed several Capital Improvement Projects on the 16th Street corridor, including widening and resurfacing near I-8 and improvements at the intersection with 4th Avenue. The sections of 16th Street that are already completed have been widened to provide three thru traffic lanes in each direction. Portions of 16th Street between I-8 and 4th Avenue remain with only two thru traffic lanes in each direction due to restrictions in right-of-way width. Due to heavy traffic volumes along this corridor, the Engineering Department recommends widening of 16th Street to provide continuity of three thru traffic lanes from I-8 to 4th Avenue. The City has been working on an economic development project that would redevelop the south side of 16th Street between 2nd Avenue and Maple Avenue. The developer has indicated a willingness to provide additional road right-of-way that would permit widening of 16th Street. In exchange, the City will vacate 16th Place to permit new commercial development to extend to the south side of 16th Place.

Description

Complete an alignment study to determine the future roadway configuration with three continuous thru lanes in each direction. Complete negotiations with the commercial developer to ensure that adequate right-of-way is reserved to construct the future widening of 16th Street.

Expenditures	2019	2020	2021	2022	2023	Total
Design	20,000					20,000
Total	20,000					20,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax	20,000					20,000
Total	20,000					20,000

1st Avenue Paving - 12th St to 16th St

Total Cost **\$1,440,000**
Type **Construction**
Progress **Under Design**
Category **Street Paving**
Location **1st Ave from 12th St to 16th St**



Justification

The existing pavement has deteriorated with severe cracking and abrasive block cracking, necessitating pavement replacement. The water and wastewater infrastructure in this segment of road are outdated. Replacing the infrastructure will prevent future failure and improve service levels.

Description

Replace the pavement and conduct other minor improvements on 1st Avenue from 12th Street to 16th Street. Replace 2,700 lineal feet of asbestos cement waterline pipe and 8 inch vitrified clay sewer pipe line with 12 inch polyvinyl chloride pipe. The sewer improvements take place on 1st Avenue from 11th Street to 16th Street.

Expenditures	2019	2020	2021	2022	2023	Total
Construction	1,440,000					1,440,000
Total	1,440,000					1,440,000

Funding Sources	2019	2020	2021	2022	2023	Total
Bond - Water	500,000					500,000
City Road Tax	530,000					530,000
Wastewater Utility Fund	410,000					410,000
Total	1,440,000					1,440,000

1st Avenue Paving - Orange Ave to 9th St

Total Cost **\$915,000**
Type **Construction**
Progress **Design Complete**
Category **Street Reconstruction**
Location **1st Ave - Orange Ave to 9th St**



Justification

The existing pavement has deteriorated with severe cracking and abrasive block cracking, necessitating pavement replacement. The water and wastewater infrastructure in this segment of road are outdated and replacing it will prevent future failure and improve service levels.

Description

Remove and replace pavement, water and wastewater infrastructure and conduct other minor improvements on 1st Avenue from Orange Avenue to 9th Street.

Expenditures	2019	2020	2021	2022	2023	Total
Construction	915,000					915,000
Total	915,000					915,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax	450,000					450,000
Wastewater Utility Fund	45,000					45,000
Water Utility Fund	420,000					420,000
Total	915,000					915,000

3rd Avenue and Orange Avenue Paving

Total Cost **\$665,317**
Type **Construction**
Progress **Under Design**
Category **Street Reconstruction**
Location **3rd Ave from 14th St to Orange Ave
from 3rd Ave to 4th Ave**



Justification

The existing pavement has deteriorated with severe cracking and abrasive block cracking, necessitating pavement replacement. The water infrastructure in this segment of road is outdated and replacing it will prevent future failure and improve service levels.

Description

Remove and replace pavement and water infrastructure and conduct other minor improvements on 3rd Avenue from 14th Street to Orange Avenue and Orange Avenue from 4th Avenue to 3rd Avenue.

Expenditures	2019	2020	2021	2022	2023	Total
Construction	665,317					665,317
Total	665,317					665,317

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax	344,836					344,836
Water Utility Fund	320,481					320,481
Total	665,317					665,317

4th Avenue Paving - 32nd St to 40th St

Total Cost \$1,615,000
Type Construction
Progress Under Design
Category Street Paving
Location 4th Ave - 32nd St to 40th St



Justification

The existing pavement has deteriorated with severe cracking and abrasive block cracking, necessitating pavement replacement. The wastewater infrastructure in this segment of road are outdated and replacing it will prevent future failure and improve service levels.

Description

Remove and replace pavement and water infrastructure and conduct other minor improvements on 4th Avenue from 32nd Street to 40th Street.

Expenditures	2019	2020	2021	2022	2023	Total
Design	25,000					25,000
Construction	1,575,000					1,575,000
Inspection	15,000					15,000
Total	1,615,000					1,615,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax	1,590,000					1,590,000
Wastewater Utility Fund	25,000					25,000
Total	1,615,000					1,615,000

8th Street Reconstruction - Ave C to Ave D

Total Cost	\$1,910,000
Type	Construction
Progress	Design Complete
Category	Street Reconstruction
Location	8th Street - Ave C to Ave D



Justification

The City of Yuma Transportation Master Plan dated October, 2014, identifies the preferred combination of projects that will best serve the City of Yuma at buildout. Reconstruction and widening of 8th Street is within the base network of programmed projects identified by the Plan. This project is needed to better accommodate travel demand in the northwestern portion of the City.

Description

Reconstruct 8th Street between Avenue C and Avenue D. Widen to a five lane section with curb, sidewalk, street lighting, and related drainage improvements. The City has entered into an Intergovernmental Agreement (IGA) with Yuma County. Under the terms of the IGA, the City will pay 50% of the cost for paving and drainage improvements plus 100% of the cost to add street lighting.

Expenditures	2019	2020	2021	2022	2023	Total
Construction	1,910,000					1,910,000
Total	1,910,000					1,910,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax	1,910,000					1,910,000
Total	1,910,000					1,910,000

Arizona Ave Paving - Palo Verde St to Country Club Dr

Total Cost **\$315,000**
Type **Construction**
Progress **Planning**
Category **Street Paving**
Location **Arizona Ave from Palo Verde St to
Country Club Dr**



Justification

The existing pavement has deteriorated with severe cracking and abrasive block cracking, necessitating pavement replacement.

Description

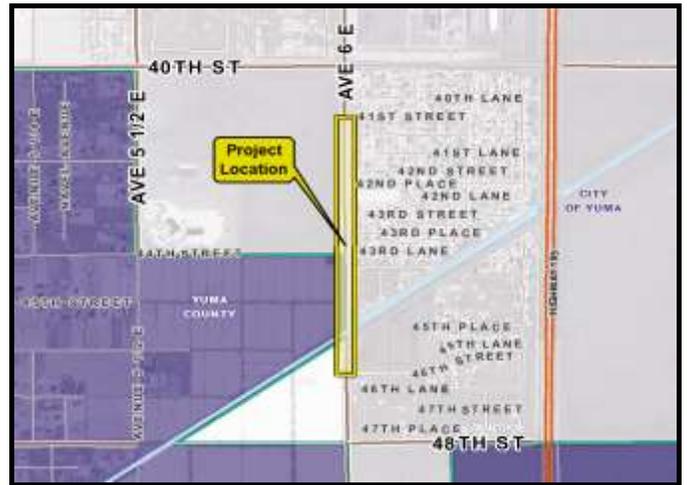
Remove and replace the existing pavement on Arizona Avenue from Palo Verde Street to Country Club Drive.

Expenditures	2019	2020	2021	2022	2023	Total
Construction	305,000					305,000
Inspection	10,000					10,000
Total	315,000					315,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax	315,000					315,000
Total	315,000					315,000

Avenue 6E Multiuse Path

Total Cost	\$250,000
Type	Construction
Progress	Under Design
Category	Pathway
Location	Avenue 6E, 46th St to 41st St



Justification

Yuma Elementary School District One is currently planning for construction of the Dorothy Hall Elementary School to be located near the intersection of 44th Street and Avenue 6E. This school is scheduled to be open for classes in August of 2019. In addition to serving new homes planned for the Driftwood subdivision, students from the Ocotillo subdivision are anticipated to walk or bike to school and utilize this path.

Description

Construct a multiuse pathway along the east side of Avenue 6E from 46th Street to 41st Street. Implement a 25 MPH school speed limit zone. Install a school crossing on Avenue 6E at 44th Street with warning signs and a rectangular rapid flashing beacon (RRFB).

Expenditures	2019	2020	2021	2022	2023	Total
Construction	250,000					250,000
Total	250,000					250,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax	250,000					250,000
Total	250,000					250,000

Avenue 9E Bike Lanes

Total Cost **\$350,000**
Type **Construction**
Progress **Not Started**
Category **Bicycle and Pedestrian Facilities**
Location **Ave 9E and 24th St to 30th Pl**



Justification

The City of Yuma has been working with various groups to determine routes for future bicycle improvements. The Yuma Region Bicycle Coalition has identified the North Frontage Road and Avenue 9E as a key route in the area bicycle network. Constructing bike lanes along this route will provide connectivity to existing bike lanes located on 24th Street between Araby Road and Avenue 9E.

Description

Construct paved shoulders on each side of Avenue 9E with a minimum width of five feet. Install bike lane striping and signage along paved shoulders. Improvements at the Union Pacific Railroad Crossing are not included in this phase of the project.

Expenditures	2019	2020	2021	2022	2023	Total
Construction	350,000					350,000
Total	350,000					350,000

Funding Sources	2019	2020	2021	2022	2023	Total
Highway Users Revenue Fund	350,000					350,000
Total	350,000					350,000

Avenue A Paving - 32nd St to 36th St

Total Cost \$1,220,000
Type Construction
Progress Under Design
Category Street Paving
Location Avenue A from 32nd St to 36th St



Justification

The existing pavement has deteriorated with severe cracking and abrasive block cracking making replacement necessary.

Description

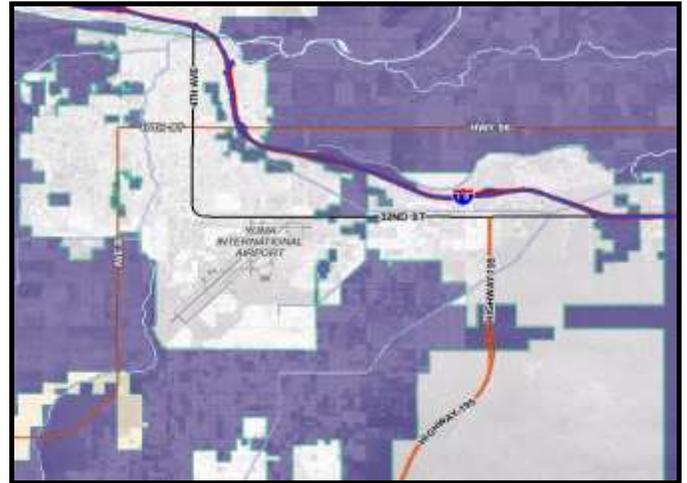
Remove and replace pavement and conduct other minor improvements on Avenue A from 32nd to 36th Street.

Expenditures	2019	2020	2021	2022	2023	Total
Land Acquisition/Right-of-Way	20,000					20,000
Construction	1,190,000					1,190,000
Inspection	10,000					10,000
Total	1,220,000					1,220,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax	1,220,000					1,220,000
Total	1,220,000					1,220,000

Citywide Safety Improvements

Total Cost	\$200,000
Type	Improvement
Progress	As Needed
Category	Street Improvement
Location	Citywide



Justification

There are roadway segments in the community that will benefit from improvements that address safety concerns. The safety concerns may be an immediate spot improvement or systemic in nature. The City will utilize engineering principles in order to identify and address major changes in roadway segments. Projects will consist of systemic improvement designed to consider longer segments within the transportation network improving roadways at a broad view.

Description

Improvements may include, handicap ramps, traffic signal upgrades, signage, street crosswalks, striping, sidewalks/pathways and streelights.

Expenditures	2019	2020	2021	2022	2023	Total
Construction	40,000	40,000	40,000	40,000	40,000	200,000
Total	40,000	40,000	40,000	40,000	40,000	200,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax	40,000	40,000	40,000	40,000	40,000	200,000
Total	40,000	40,000	40,000	40,000	40,000	200,000

Gila St & Maiden Ln Paving - 1st St to Giss Pkwy

Total Cost **\$975,000**
Type **Construction**
Progress **Design Complete**
Category **Street Reconstruction**
Location **Gila St - 1st St to Giss Pkwy**



Justification

The existing pavement has deteriorated with severe cracking and abrasive block cracking, necessitating pavement replacement. The water and wastewater infrastructure in this segment of road were installed in the 1950's and replacing the infrastructure will prevent future failure.

Description

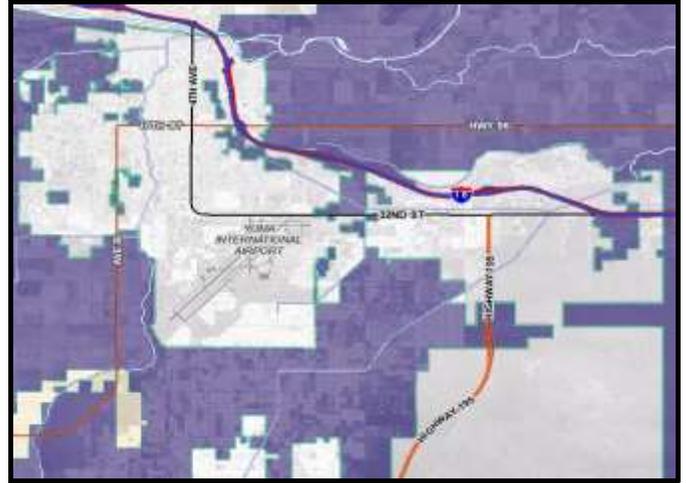
Remove and replace pavement, water and wastewater infrastructure on Gila Street from 1st Street to Giss Parkway; Maiden Lane from 3rd Street to 2nd Street; 2nd Street from Maiden Lane to Gila Street; and, 3rd Street from Main Street to Maiden Lane.

Expenditures	2019	2020	2021	2022	2023	Total
Construction	944,000					944,000
Inspection	31,000					31,000
Total	975,000					975,000

Funding Sources	2019	2020	2021	2022	2023	Total
Bond - Water	312,000					312,000
City Road Tax	290,000					290,000
Wastewater Utility Fund	373,000					373,000
Total	975,000					975,000

LED Streetlight System Retrofit

Total Cost **\$3,700,000**
Type **Improvement**
Progress **Implementing**
Category **Street Improvement**
Location **Citywide**



Justification

Street lighting constitutes a significant portion of the City’s energy consumption and expenditure. By converting to energy-efficient fixtures the City can achieve energy and financial savings. In addition to environmental and financial benefits, by undergoing a system-wide conversion the City will standardize fixture type and style, which will help create a unified aesthetic appearance. This conversion will also reduce maintenance costs as LED lights have a longer life.

Description

Convert streetlight fixtures from incandescent to LED.

Expenditures	2019	2020	2021	2022	2023	Total
Installation	3,700,000					3,700,000
Total	3,700,000					3,700,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax	3,700,000					3,700,000
Total	3,700,000					3,700,000

North Frontage Road Paving - Ave 9E to Ave 10E

Total Cost \$775,000
Type Construction
Progress Planning
Category Street Paving
Location N Frontage Rd - Ave 9E to Ave 10E



Justification

The existing pavement has deteriorated with severe cracking and abrasive block cracking, necessitating pavement replacement.

Description

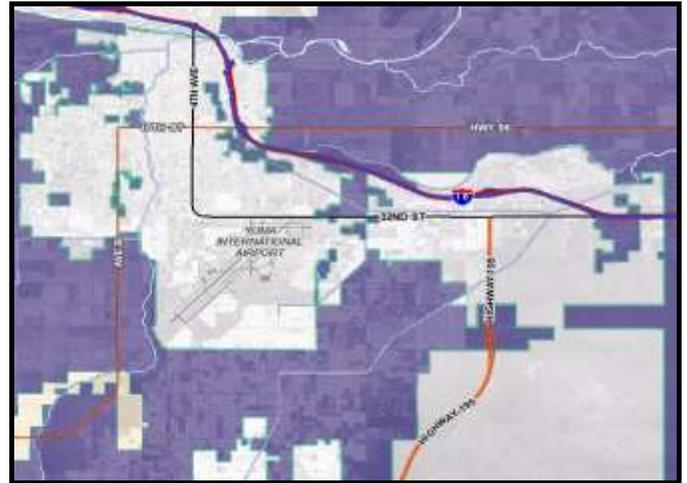
Remove and replace pavement and conduct other minor improvements on North Frontage Road from Avenue 9E to 10E Paving.

Expenditures	2019	2020	2021	2022	2023	Total
Design	75,000					75,000
Construction		700,000				700,000
Total	75,000	700,000				775,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax	75,000	700,000				775,000
Total	75,000	700,000				775,000

Pavement Preservation

Total Cost \$1,250,000
Type Maintenance
Progress Implementing
Category Street Improvement
Location Citywide



Justification

The City has over 365 centerline miles of roadways ranging in width from two lanes to ten lanes. The Public Works Department uses various maintenance activities to extend the life cycle of the existing pavement. Applying the right fix at the right time can prolong pavement life and extend the period of time before more cost intensive treatments, such as full depth pavement replacement is necessary.

Description

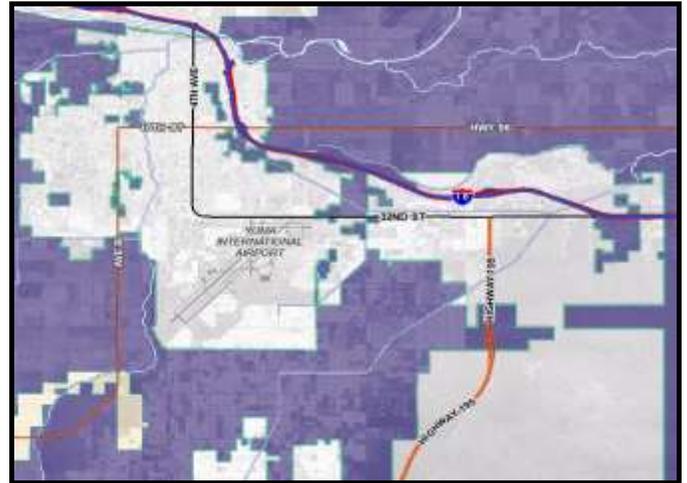
Perform crack sealing, fog sealing or slurry sealing of existing pavements.

Expenditures	2019	2020	2021	2022	2023	Total
Construction	250,000	250,000	250,000	250,000	250,000	1,250,000
Total	250,000	250,000	250,000	250,000	250,000	1,250,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax	250,000	250,000	250,000	250,000	250,000	1,250,000
Total	250,000	250,000	250,000	250,000	250,000	1,250,000

Streetlight Pole Assessment and Replacement

Total Cost	\$1,000,000
Type	Improvement
Progress	Implementing
Category	Street Improvement
Location	Citywide



Justification

Old street light poles, both wood and steel deteriorate over time. If old street light poles are not replaced, they may collapse, causing a public safety hazard.

Description

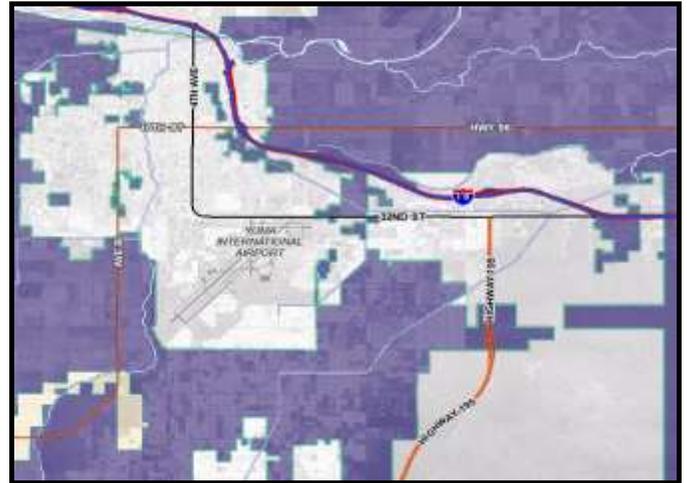
Assess the structural integrity of streetlights throughout the City and repair or replace them as needed. The poles and lights will be replaced concurrent with the LED Streetlight System Retrofit project.

Expenditures	2019	2020	2021	2022	2023	Total
Installation	200,000	200,000	200,000	200,000	200,000	1,000,000
Total	200,000	200,000	200,000	200,000	200,000	1,000,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax	200,000	200,000	200,000	200,000	200,000	1,000,000
Total	200,000	200,000	200,000	200,000	200,000	1,000,000

Traffic Signal Upgrades

Total Cost **\$1,650,000**
Type **Improvement**
Progress **Implementing**
Category **Traffic Signals**
Location **Citywide**



Justification

Traffic signals throughout the City have deteriorated due to age and exposure to elements. Public Works will assess the integrity of controllers and hardware components and replacement as needed.

Description

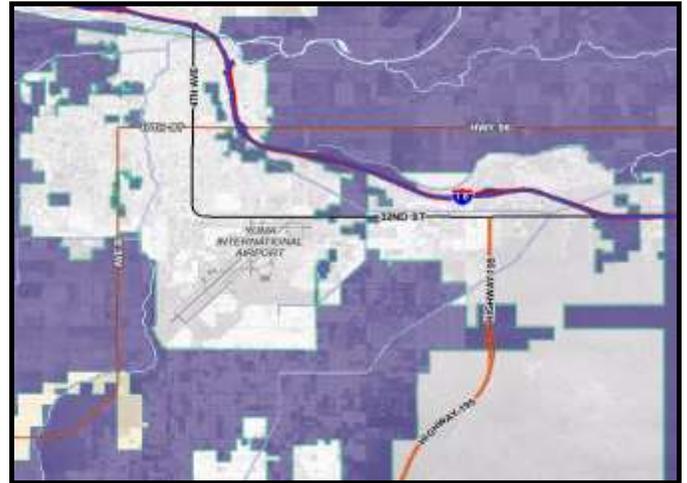
Remove and replace TS1 controllers with TS2 controllers, power pedestal, detections, and wiring harness.

Expenditures	2019	2020	2021	2022	2023	Total
Installation	650,000	250,000	250,000	250,000	250,000	1,650,000
Total	650,000	250,000	250,000	250,000	250,000	1,650,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax	250,000	250,000	250,000	250,000	250,000	1,250,000
Highway Users Revenue Fund	400,000					400,000
Total	650,000	250,000	250,000	250,000	250,000	1,650,000

Xeriscape Conversion

Total Cost	\$700,000
Type	Construction
Progress	Planning
Category	Landscape
Location	Citywide



Justification

Many of the City's basins and roadsides have turf/grass landscaping which need weekly upkeep resulting in costly maintenance. Xeriscape landscape is a method developed especially for arid and semiarid climates that uses water-conserving techniques (such as the use of drought-tolerant plants, mulch, and efficient irrigation). This landscape method is more cost efficient for the City to maintain. The City of Yuma Public Works Department will convert the existing grass/turf basins or roadsides to xeriscape to reduce maintenance requirements.

Description

Removal and replacement current landscape with xeriscape.

Expenditures	2019	2020	2021	2022	2023	Total
Installation	140,000	140,000	140,000	140,000	140,000	700,000
Total	140,000	140,000	140,000	140,000	140,000	700,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax	140,000	140,000	140,000	140,000	140,000	700,000
Total	140,000	140,000	140,000	140,000	140,000	700,000

14th Street Paving - 1st Ave to 4th Ave

Total Cost **\$400,000**
Type **Construction**
Progress **Not Started**
Category **Street Paving**
Location **14th St from 1st Ave to 4th Ave**



Justification

The existing pavement has deteriorated with severe cracking and abrasive block cracking, necessitating pavement replacement. The water and wastewater infrastructure in this segment of road are outdated. Replacing the infrastructure will prevent future failure and improve service levels.

Description

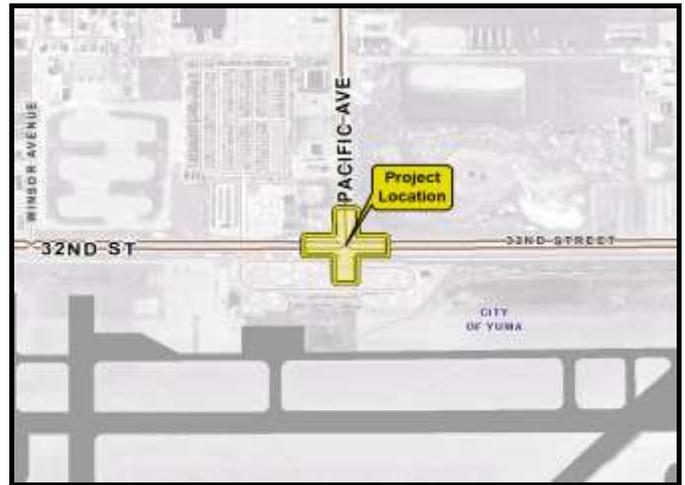
Remove and replace pavement, water and wastewater infrastructure and conduct other minor improvements on 14th Street from 1st Avenue to 4th Avenue.

Expenditures	2019	2020	2021	2022	2023	Total
Construction		400,000				400,000
Total		400,000				400,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax		215,000				215,000
Wastewater Utility Fund		15,000				15,000
Water Utility Fund		170,000				170,000
Total		400,000				400,000

32nd St & Pacific Ave Intersection Improvements

Total Cost	\$1,430,000
Type	Reconstruction
Progress	Not Started
Category	Street Reconstruction
Location	32nd St & Pacific Ave



Justification

This recommendation is based on the Avenue 3E Corridor Study completed in 2004. The study included 32nd Street from Pacific Avenue to Avenue 5E. Widening is needed in order to eliminate congestion, adequately provide for traffic growth, and decrease accidents. The median extension and access revisions are needed to reduce traffic accidents and permit the intersection to function at full capacity.

Description

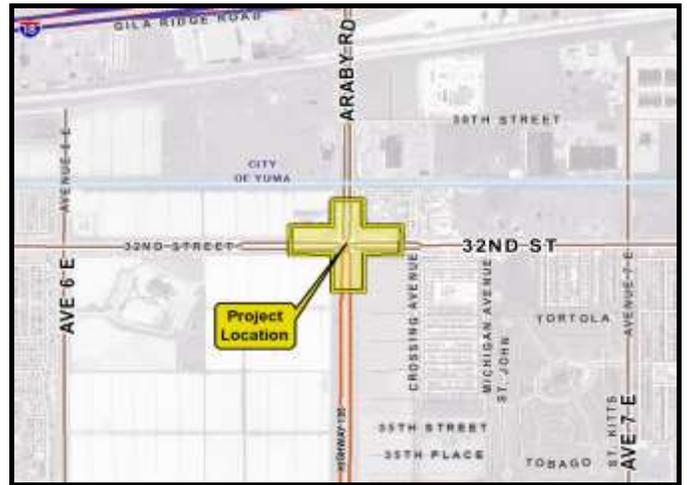
Add a second dedicated eastbound left-turn lane, convert the existing left-through lane to a through lane, upgrade the traffic signal, extend the median on north leg and revise access to properties on west side of north leg. The project will also include installation of conduit and fiber optic cable to coordinate the signal with other signals providing for smooth traffic flow.

Expenditures	2019	2020	2021	2022	2023	Total
Design		105,000				105,000
Construction				1,325,000		1,325,000
Total		105,000		1,325,000		1,430,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax		105,000		1,050,000		1,155,000
Development Fee - Transportation				275,000		275,000
Total		105,000		1,325,000		1,430,000

32nd Street and Avenue 7E Turn Lane

Total Cost **\$180,000**
Type **Construction**
Progress **Design Complete**
Category **Street Improvement**
Location **32nd St and Ave 7E Intersection**



Justification

The construction of a right-turn lane will improve traffic flow by allowing through traffic to keep moving eastbound along 32nd Street.

Description

Design and construct an eastbound right-turn lane, install a new traffic signal mast arm and signal control on 32nd Street and Avenue 7E.

Expenditures	2019	2020	2021	2022	2023	Total
Construction		180,000				180,000
Total		180,000				180,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax		145,000				145,000
Development Fee - Transportation		35,000				35,000
Total		180,000				180,000

32nd Street and Avenue 8E Turn Lane

Total Cost **\$200,000**
Type **Construction**
Progress **Design Complete**
Category **Street Improvement**
Location **32nd St and Ave 8E Intersection**



Justification

The construction of a right-turn lane will improve traffic flow by allowing through traffic to keep moving westbound along 32nd Street.

Description

Design and construct a westbound right-turn lane. Install a new traffic signal mast arm and traffic controller on 32nd Street and Avenue 8E.

Expenditures	2019	2020	2021	2022	2023	Total
Construction		200,000				200,000
Total		200,000				200,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax		160,000				160,000
Development Fee - Transportation		40,000				40,000
Total		200,000				200,000

32nd Street Paving - Ave B to Ave C

Total Cost **\$1,320,000**
Type **Construction**
Progress **Not Started**
Category **Street Paving**
Location **32nd St - Ave B to Ave C**



Justification

The existing pavement has deteriorated with severe cracking and abrasive block cracking, necessitating pavement replacement.

Description

Remove and replace pavement and conduct other minor improvements on 32nd Street from Avenue B to Avenue C.

Expenditures	2019	2020	2021	2022	2023	Total
Design		120,000				120,000
Construction				1,200,000		1,200,000
Total		120,000		1,200,000		1,320,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax		120,000		1,200,000		1,320,000
Total		120,000		1,200,000		1,320,000

40th Street Paving - Arizona Ave to Ave A

Total Cost **\$1,275,000**
Type **Construction**
Progress **Under Design**
Category **Street Paving**
Location **40th St from Arizona Ave to Ave A**



Justification

The existing pavement has deteriorated with severe cracking and abrasive block cracking, necessitating pavement replacement.

Description

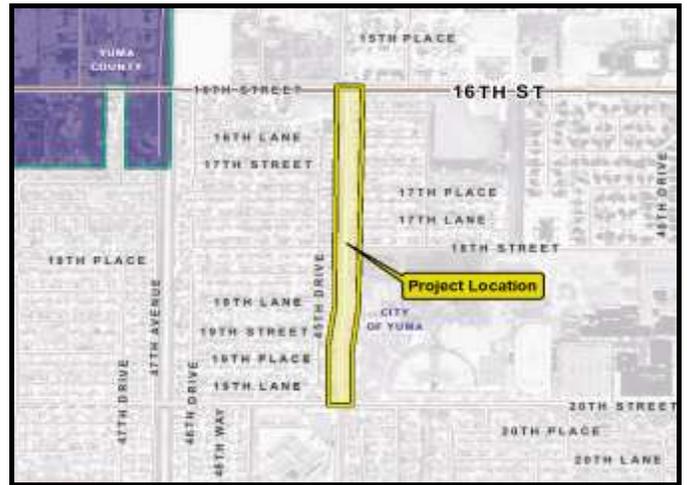
Remove and replace pavement and conduct other minor improvements on 40th Street from Arizona Avenue to Avenue A.

Expenditures	2019	2020	2021	2022	2023	Total
Design		50,000				50,000
Construction			1,225,000			1,225,000
Total		50,000	1,225,000			1,275,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax		50,000	1,225,000			1,275,000
Total		50,000	1,225,000			1,275,000

45th Avenue Paving - 16th St to 20th St

Total Cost \$440,000
Type Construction
Progress Not Started
Category Street Paving
Location 45th Ave - 16th to 20th St



Justification

The existing pavement has deteriorated with severe cracking and abrasive block cracking, necessitating pavement replacement.

Description

Remove and replace pavement and conduct other minor improvements on 45th Avenue from 16th Street to 20th Street.

Expenditures	2019	2020	2021	2022	2023	Total
Design		40,000				40,000
Construction		400,000				400,000
Total		440,000				440,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax		440,000				440,000
Total		440,000				440,000

Arizona Avenue Paving - 33rd St to 40th St

Total Cost \$1,565,000
Type Construction
Progress Under Design
Category Street Paving
Location Arizona Ave - 33rd St to 40th St



Justification

The existing pavement has deteriorated with severe cracking and abrasive block cracking, necessitating pavement replacement.

Description

Remove and replace pavement and conduct other minor improvements on Arizona Avenue - 33rd Street to 40th Street.

Expenditures	2019	2020	2021	2022	2023	Total
Design		40,000				40,000
Construction			1,515,000			1,515,000
Inspection			10,000			10,000
Total		40,000	1,525,000			1,565,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax		40,000	1,525,000			1,565,000
Total		40,000	1,525,000			1,565,000

Avenue 10E Paving - 28th St to N Frontage Rd

Total Cost \$440,000
Type Construction
Progress Planning
Category Street Paving
Location Ave 10E - 28th St to N Frontage Rd



Justification

The existing pavement has deteriorated with severe cracking and abrasive block cracking, necessitating pavement replacement.

Description

Remove and replace pavement and conduct other minor improvements on Avenue 10E from 28th Street to North Frontage Road.

Expenditures	2019	2020	2021	2022	2023	Total
Design		40,000				40,000
Construction		400,000				400,000
Total		440,000				440,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax		440,000				440,000
Total		440,000				440,000

Airport Loop Road Improvements

Total Cost	\$240,000
Type	Construction
Progress	Under Design
Category	Street Improvement
Location	Airport Loop Road



Justification

Storm water run-off coming from the Marine Corps Air Station property has washed out sections of shoulder along the Airport Loop section of South 4th Avenue. Storm water discharge causes soil erosion with sediment ending up on this segment of road. Storms in August 2010, December 2011, and July 2012 have caused considerable damage to the extent that the storm drain requires replacement.

Description

Design and rebuild the storm drain located approximately 2,200 feet west of Avenue A on Airport Loop.

Expenditures	2019	2020	2021	2022	2023	Total
Design			10,000			10,000
Construction				230,000		230,000
Total			10,000	230,000		240,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax			10,000	230,000		240,000
Total			10,000	230,000		240,000

12th Street Paving - 21st Dr to Ave B

Total Cost	\$175,000
Type	Construction
Progress	Not Started
Category	Street Paving
Location	12th St - 21st Dr to Ave B



Justification

The existing pavement has deteriorated with severe cracking and abrasive block cracking, necessitating pavement replacement.

Description

Remove and replace pavement and conduct other minor improvements on 12th Street from 21st Drive to Avenue B.

Expenditures	2019	2020	2021	2022	2023	Total
Design				15,000		15,000
Construction					160,000	160,000
Total				15,000	160,000	175,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax				15,000	160,000	175,000
Total				15,000	160,000	175,000

14th Avenue Paving -12th St to 16th St

Total Cost **\$1,200,000**
Type **Construction**
Progress **Not Started**
Category **Street Paving**
Location **14th Ave from 12th St to 16th St**



Justification

The existing pavement has deteriorated with severe cracking and abrasive block cracking, necessitating pavement replacement. The water and wastewater infrastructure in this segment of road is outdated. Replacing the infrastructure will prevent future failure and improve service levels.

Description

Remove and replace pavement, water and wastewater infrastructure and conduct other minor improvements on 14th Avenue from 12th Street to 16th Street.

Expenditures	2019	2020	2021	2022	2023	Total
Design				100,000		100,000
Construction					1,100,000	1,100,000
Total				100,000	1,100,000	1,200,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax				45,000	450,000	495,000
Wastewater Utility Fund					100,000	100,000
Water Utility Fund				55,000	550,000	605,000
Total				100,000	1,100,000	1,200,000

28th Street - Ave C to 45th Ave

Total Cost \$1,200,000
Type Construction
Progress Not Started
Category Street Construction
Location 28th Street - Ave C to 45th Ave



Justification

The new street will provide a third point of access to the residents of Barkley Ranch subdivisions. In accordance with Section 7.3(c) of the pre-annexation development agreement R2012-30, recorded at FEE # 2012-2013-08606, Yuma County Records.

Description

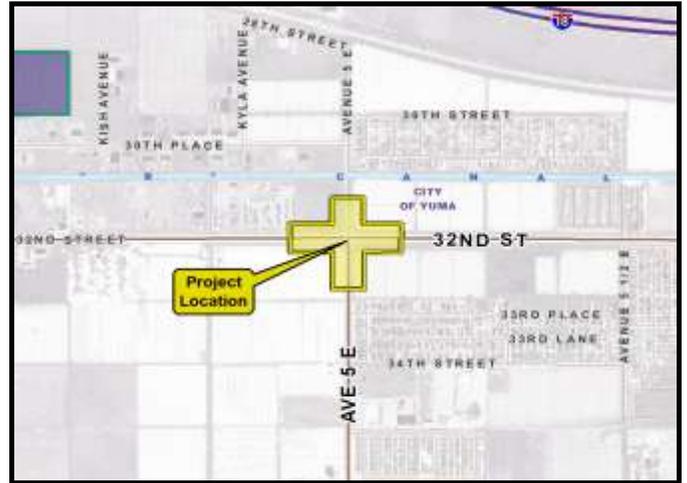
Construct the north half width of 28th Street between Avenue C and 45th Avenue.

Expenditures	2019	2020	2021	2022	2023	Total
Design				120,000		120,000
Construction					1,080,000	1,080,000
Total				120,000	1,080,000	1,200,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax				50,000	480,000	530,000
Development Fee - Transportation				70,000	600,000	670,000
Total				120,000	1,080,000	1,200,000

32nd Street and Avenue 5E Turn Lanes

Total Cost **\$400,000**
Type **Construction**
Progress **Not Started**
Category **Street Improvement**
Location **32nd St and Ave 5E Intersection**



Justification

Development at this intersection has increased traffic volumes causing congestion. The addition of right-turn lanes will improve traffic flows on 32nd Street.

Description

Design and construct eastbound and westbound right-turn lanes on 32nd Street and replace traffic signal mast arms and controllers.

Expenditures	2019	2020	2021	2022	2023	Total
Design				40,000		40,000
Construction					360,000	360,000
Total				40,000	360,000	400,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax				30,000	300,000	330,000
Development Fee - Transportation				10,000	60,000	70,000
Total				40,000	360,000	400,000

18th Street and Avenue C Traffic Signal

Total Cost **\$375,000**
Type **Construction**
Progress **Not Started**
Category **Street Improvement**
Location **18th St and Ave C Intersection**



Justification

Traffic restrictions at 20th Street shift additional traffic onto 18th Street causing congestion at peak hours. Other funding is actively being pursued.

Description

Design and construct a complete traffic signal system at the intersection of 18th Street and Avenue C.

Expenditures	2019	2020	2021	2022	2023	Total
Design					40,000	40,000
Construction					335,000	335,000
Total					375,000	375,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax					195,000	195,000
Development Fee - Transportation					55,000	55,000
Other - Proposed					125,000	125,000
Total					375,000	375,000

28th Street Construction - Ave B to Ave C

Total Cost	\$1,580,000
Type	Construction
Progress	Not Started
Category	Street Construction
Location	28th St - Ave B to Ave C



Justification

This minor arterial road will carry traffic between Avenue B and Avenue C as an alternate route to 32nd Street.

Description

Design and construct a minor arterial road with pedestrian crossing at the Thacker Lateral. Three-quarters of street was constructed by developer and City of Yuma in FY2006. The western half of the eastbound street remains to be constructed.

Expenditures	2019	2020	2021	2022	2023	Total
Design					80,000	80,000
Land Acquisition/Right-of-Way					300,000	300,000
Construction					1,200,000	1,200,000
Total					1,580,000	1,580,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax					200,000	200,000
Development Fee - Transportation					1,380,000	1,380,000
Total					1,580,000	1,580,000

8th Street & Pacific Avenue Corridor Improvements

Total Cost **\$560,000**
Type **Construction**
Progress **Not Started**
Category **Street Reconstruction**
Location **8th St and Pacific Ave Corridor**



Justification

As part of the recent Pacific Avenue Athletic Complex (PAAC) project, 8th Street was reconstructed as a two lane roadway with median separation between directions. This configuration was deemed to be adequate to handle current traffic volumes. The PAAC is currently surrounded by various undeveloped parcels. As development in this area continues, the traffic volumes are anticipated to increase. Once this happens, road widening will be necessary to accommodate the additional users. In addition, the current pavement on Pacific Avenue is deteriorating to the point that replacement is needed.

Description

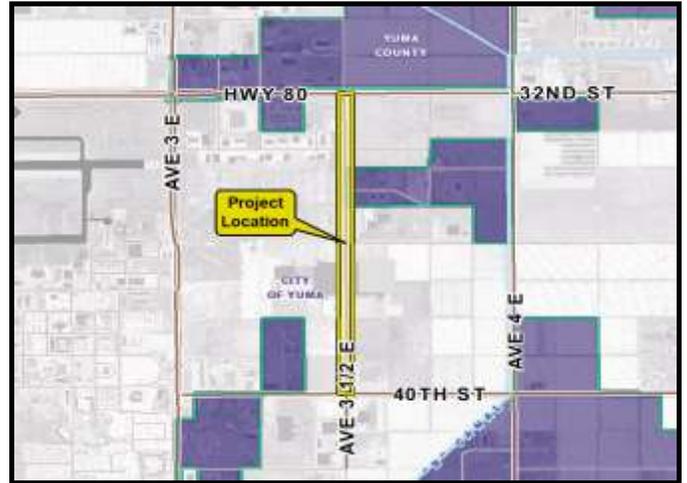
Reconstruct the unimproved sections of 8th Street and Pacific Avenue to current City standards. This includes right-of-way widening and installing asphalt, curb, gutter, and sidewalk or multiuse paths. The City is requesting Surface Transportation Programs funds for this project to offset a portion of the construction costs.

Expenditures	2019	2020	2021	2022	2023	Total
Design					60,000	60,000
Total					60,000	60,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax					60,000	60,000
Total					60,000	60,000

Avenue 3 1/2E Paving - 32nd St to 40th St

Total Cost \$811,394
Type Construction
Progress Not Started
Category Street Paving
Location Ave 3 1/2E from 32nd St to 40th St



Justification

The existing pavement has deteriorated with severe cracking and abrasive block cracking, necessitating pavement replacement.

Description

Remove and replace pavement and conduct other minor improvements on Avenue 3 1/2E from 32nd Street to 40th Street

Expenditures	2019	2020	2021	2022	2023	Total
Construction					811,394	811,394
Total					811,394	811,394

Funding Sources	2019	2020	2021	2022	2023	Total
City Road Tax					811,394	811,394
Total					811,394	811,394

Desert Dunes WRF Improvement Project

Total Cost **\$600,000**
Type **Construction**
Progress **Under Design**
Category **Facility Enhancement**
Location **Desert Dunes Water Reclamation Facility (WRF)**



Justification

The Desert Dunes Facility has been in service over 10 years and minor improvements are needed in order to maintain effective plant operations. This project consists of three minor improvements to the facility. First, this facility must meet strict Arizona Department of Environmental Quality (ADEQ) permit limits. In order to ensure compliance with those limits are maintained, a 3rd ground water monitoring well must be installed adjacent to the facility’s onsite percolation beds. The second improvement consists of replacing the existing skimmers on two clarifiers, as they have corroded severely and are no longer functioning effectively. Finally, installing an overhead lifting system will allow staff to more efficiently remove and replace in-line grinders within the headworks building.

Description

Install a third ground water monitoring well, replace final clarifier skimmers and install hoist/crane lifting system inside headwork building.

Expenditures	2019	2020	2021	2022	2023	Total
Construction	600,000					600,000
Total	600,000					600,000

Funding Sources	2019	2020	2021	2022	2023	Total
Wastewater Utility Fund	600,000					600,000
Total	600,000					600,000

Desert Dunes WRF Reclaimed Water System

Total Cost **\$1,200,000**
Type **Construction**
Progress **Planning**
Category **Facility Enhancement**
Location **Desert Dunes Water Reclamation Facility (WRF)**



Justification

Upgrades to the existing reclaimed water reuse system will deliver a more functional system. This project is the initial step in providing a reclaimed water delivery system for the use of the Desert Dunes WRF effluent and for potential industrial water users. Other funding sources are actively being pursued. This project may not proceed in the scheduled year if funding is not established.

Description

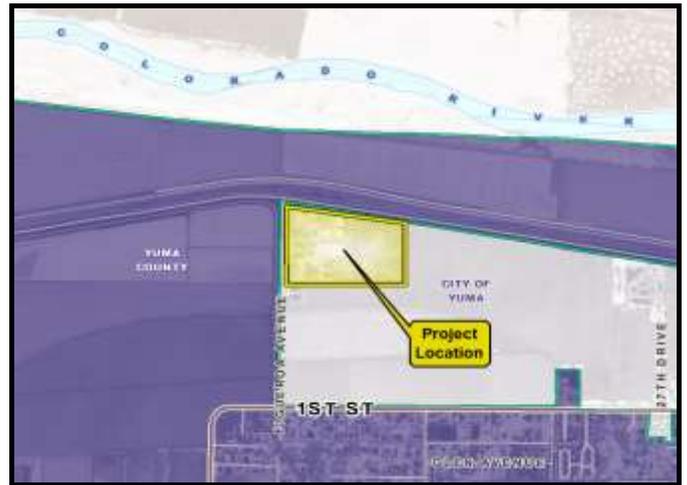
Upgrade Desert Dunes WRF reclaimed water system with a new storage tank, chlorination system and pump station to provide effluent delivery to off-site reuse applications.

Expenditures	2019	2020	2021	2022	2023	Total
Design	180,000					180,000
Construction		1,020,000				1,020,000
Total	180,000	1,020,000				1,200,000

Funding Sources	2019	2020	2021	2022	2023	Total
Other - Proposed		1,020,000				1,020,000
Wastewater Utility Fund	180,000					180,000
Total	180,000	1,020,000				1,200,000

Figueroa AWPCF Annual System Overhaul

Total Cost **\$2,500,000**
Type **Construction**
Progress **Under Construction**
Category **Facility Enhancement**
Location **Figueroa Avenue Water Pollution Control Facility (FAWPCF)**



Justification

The FAWPCF has been in continuous operation since the early 1970's. Many of the treatment systems need to be rehabilitated or replaced. Operating under very strict Federal and State permits, this facility converts over 80% of Yuma's wastewater into high quality treated effluent which is then discharged into the Colorado River. This project will focus on rehabilitating or replacing major components of the clarifiers, digesters, gravity thickeners and dissolved air flotation (DAF) systems.

Description

On an annual basis major equipment such as the center pier, sludge box and center cases of the clarifiers will be inspected and repaired or replaced. Concrete pads, tanks and wall supports will be evaluated for structural integrity and repaired. Pumps, motors, drives and other electrical components will be evaluated and repaired or replaced.

Expenditures	2019	2020	2021	2022	2023	Total
Design	40,000	40,000	70,000	70,000		220,000
Construction	460,000	460,000	680,000	680,000		2,280,000
Total	500,000	500,000	750,000	750,000		2,500,000

Funding Sources	2019	2020	2021	2022	2023	Total
Wastewater Utility Fund	500,000	500,000	750,000	750,000		2,500,000
Total	500,000	500,000	750,000	750,000		2,500,000

Figueroa AWPCF AZPDES Renewal

Total Cost \$100,000
Type Assessment
Progress Planning
Category Wastewater
Location Figueroa Avenue Water Pollution Control Facility (FAWPCF)



Justification

In December of 2002 Arizona became one of 45 states with authorization from Environmental Protection Agency (EPA) to operate the National Pollutant Discharge Elimination System (NPDES) Permit Program (Section 402 of the Clean Water Act) at the state level. Under the Arizona Pollutant Discharge Elimination System (AZPDES) Permit Program, all facilities that discharge pollutants from any point source into waters of the United States (navigable waters) are required to obtain or seek coverage under an AZPDES permit. The FAWPCF will not be permitted to discharge its treated effluent to the Colorado River without this permit.

Description

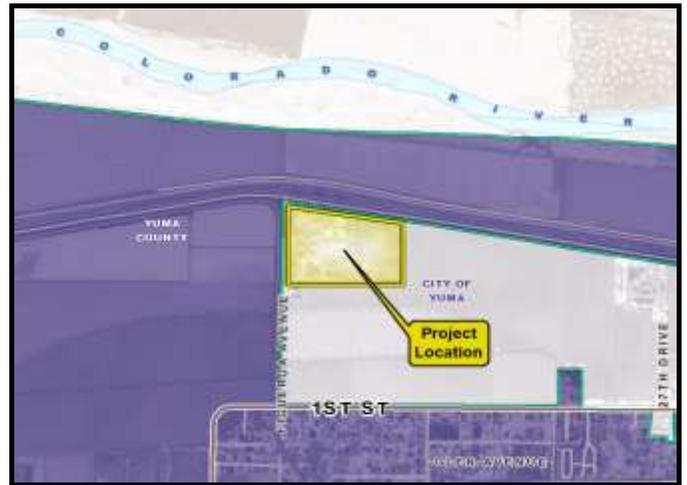
The project includes testing, modeling and document submittal to the AZPDES Permit Program for permit renewal.

Expenditures	2019	2020	2021	2022	2023	Total
Planning	100,000					100,000
Total	100,000					100,000

Funding Sources	2019	2020	2021	2022	2023	Total
Wastewater Utility Fund	100,000					100,000
Total	100,000					100,000

Figueroa AWPCF Electrical Upgrades

Total Cost **\$4,900,000**
Type **Construction**
Progress **Under Design**
Category **Facility Enhancement**
Location **Figueroa Avenue Water Pollution Control Facility (FAWPCF)**



Justification

The City completed an engineering feasibility study in 2015 of the FAWPCF. This study outlined needed capital improvements in order to maintain plant operations and meet current and potentially more stringent effluent parameters. The facilities electrical system was noted as being beyond its useful life. The electrical system must be upgraded in order to provide safe and reliable electrical services and maintain plant operations.

Description

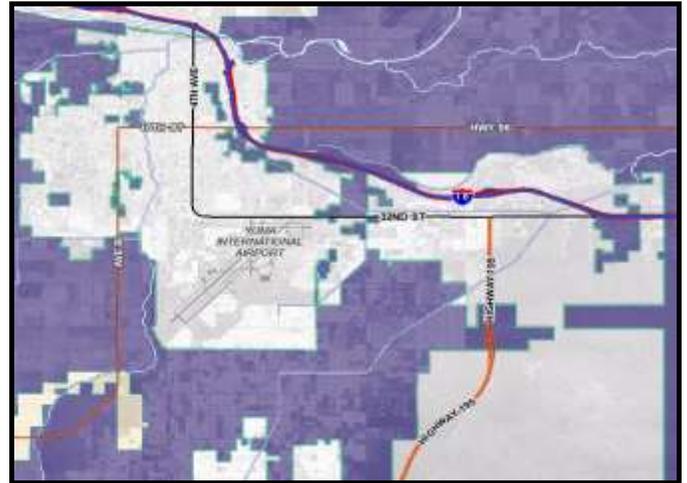
Replace the electrical service entrance and various motor control centers throughout the facility.

Expenditures	2019	2020	2021	2022	2023	Total
Construction	2,700,000	2,200,000				4,900,000
Total	2,700,000	2,200,000				4,900,000

Funding Sources	2019	2020	2021	2022	2023	Total
Wastewater Utility Fund	2,700,000	2,200,000				4,900,000
Total	2,700,000	2,200,000				4,900,000

Manhole Rehabilitation/Reconstruction

Total Cost \$1,500,000
Type Construction
Progress As Needed
Category Wastewater System
Location Citywide



Justification

Hydrogen sulfide is corrosive to concrete and cementitious materials and damages manholes. Many of the City’s older brick or concrete manholes are highly susceptible to damage from the hydrogen sulfide and should be replaced before complete failure.

Description

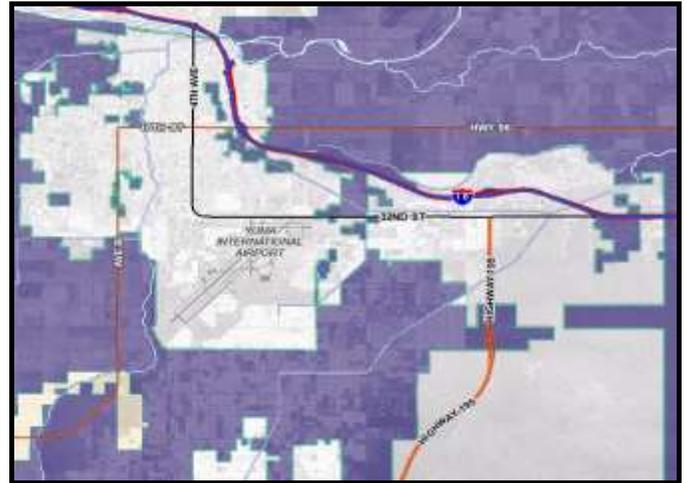
Replace failed concrete and brick manholes in order to prevent failure and damage to nearby infrastructure.

Expenditures	2019	2020	2021	2022	2023	Total
Design	30,000	30,000	30,000	30,000	30,000	150,000
Construction	270,000	270,000	270,000	270,000	270,000	1,350,000
Total	300,000	300,000	300,000	300,000	300,000	1,500,000

Funding Sources	2019	2020	2021	2022	2023	Total
Wastewater Utility Fund	300,000	300,000	300,000	300,000	300,000	1,500,000
Total	300,000	300,000	300,000	300,000	300,000	1,500,000

Sewer Line Replacements/Improvements

Total Cost \$500,000
Type Construction
Progress As Needed
Category Wastewater System
Location Citywide



Justification

Throughout the year, during routine collection system inspections, damaged sanitary sewer lines are discovered and identified as failing or in need of repair in order to maintain uninterrupted services. This project is utilized to repair or replace sanitary sewer lines as needed.

Description

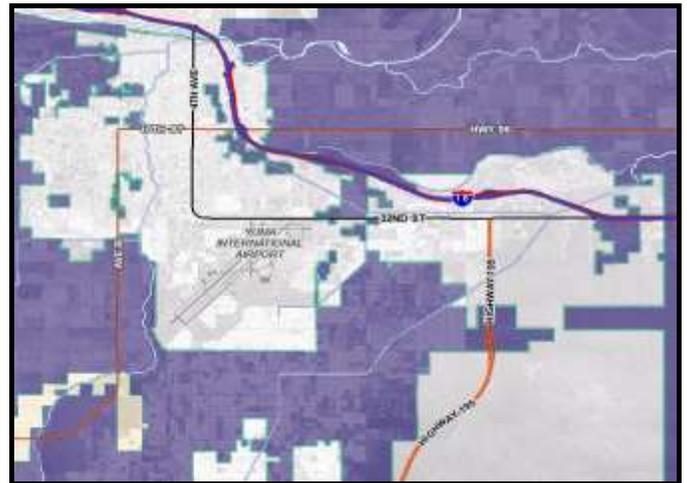
Replace damaged or compromised sanitary sewer lines where necessary or as defects are discovered throughout the collection system.

Expenditures	2019	2020	2021	2022	2023	Total
Design	10,000	10,000	10,000	10,000	10,000	50,000
Construction	90,000	90,000	90,000	90,000	90,000	450,000
Total	100,000	100,000	100,000	100,000	100,000	500,000

Funding Sources	2019	2020	2021	2022	2023	Total
Wastewater Utility Fund	100,000	100,000	100,000	100,000	100,000	500,000
Total	100,000	100,000	100,000	100,000	100,000	500,000

Wastewater Collection System Lift Station Upgrade

Total Cost	\$1,500,000
Type	Construction
Progress	As Needed
Category	Wastewater System
Location	Citywide



Justification

The wastewater collection system currently includes 25 sanitary wastewater lift stations. This project will upgrade existing lift stations with high efficiency pumps, electrical gear, control/monitoring equipment and appurtenances to maintain the necessary level of service and to prevent sanitary sewer overflows. This is an annual project to upgrade and/or refurbish sanitary wastewater lift stations as needed.

Description

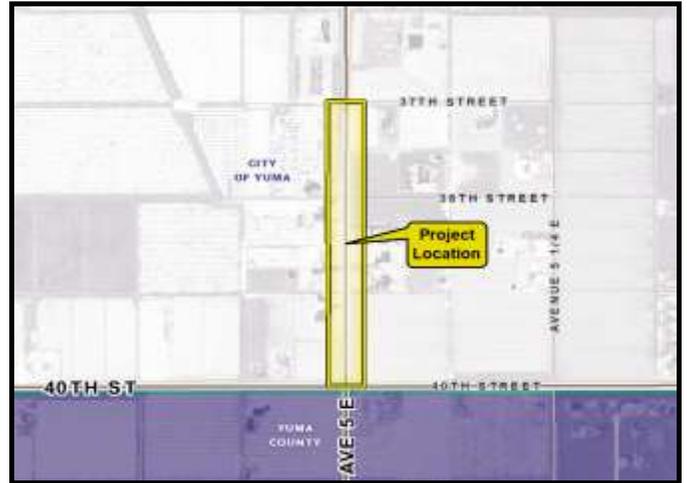
The project will replace obsolete electrical equipment and Supervisory Control and Data Acquisition (SCADA) controls and worn or undersized pumps with new energy efficient variable drive pumps. Worn or deteriorated piping and other miscellaneous appurtenances will be replaced as needed at each lift station.

Expenditures	2019	2020	2021	2022	2023	Total
Design	20,000	20,000	20,000	20,000	20,000	100,000
Construction	280,000	280,000	280,000	280,000	280,000	1,400,000
Total	300,000	300,000	300,000	300,000	300,000	1,500,000

Funding Sources	2019	2020	2021	2022	2023	Total
Wastewater Utility Fund	300,000	300,000	300,000	300,000	300,000	1,500,000
Total	300,000	300,000	300,000	300,000	300,000	1,500,000

Avenue 5E, Water and Sewer Extension

Total Cost \$1,630,000
Type Construction
Progress Not Started
Category Improvement
Location Ave 5E from 37th St to 40th St



Justification

To encourage economic growth and expansion in critical areas of the City, it is important for the City to have the necessary utility infrastructure (water and sanitary sewer) in place to allow for such development. In the early 2000’s the City completed the Agua Viva and Desert Dunes treatment facilities to accommodate such growth within the East Mesa area of the community. To enable potential growth within treatment plant’s respective service areas it is important that the City extended its utility services. The Avenue 5E utility extensions between 37th and 40th Street’s will provide utility services to an area of the community that was annexed in the 1990’s with anticipation such services would be available.

Description

Install approximately 2000 feet of water and sewerline along Avenue 5E between 37th Street and 40th Street.

Expenditures	2019	2020	2021	2022	2023	Total
Construction		1,630,000				1,630,000
Total		1,630,000				1,630,000

Funding Sources	2019	2020	2021	2022	2023	Total
Wastewater Utility Fund		1,170,000				1,170,000
Water Utility Fund		460,000				460,000
Total		1,630,000				1,630,000

Desert Dunes WRF UV Disinfection System Upgrades

Total Cost **\$1,200,000**
Type **Construction**
Progress **Planning**
Category **Facility Enhancement**
Location **Desert Dunes WRF**



Justification

The existing UltraViolet disinfection system is exposed to harsh environmental conditions. Exposure causes accelerated wear on the electrical and mechanical components of the system. Construction of a new building around the facility will extend the life of the equipment and reduce operation and maintenance costs. There is a 30% potential energy consumption savings by replacing the existing disinfection system. Other funding sources are actively being pursued. This project may proceed in the scheduled year if funding is established.

Description

Enclose UltraViolet Disinfection System at Desert Dunes WRF within a new building and replace existing system with new high efficiency system.

Expenditures	2019	2020	2021	2022	2023	Total
Design		150,000				150,000
Construction			1,050,000			1,050,000
Total		150,000	1,050,000			1,200,000

Funding Sources	2019	2020	2021	2022	2023	Total
Wastewater Utility Fund		150,000	1,050,000			1,200,000
Total		150,000	1,050,000			1,200,000

Ferrous Chloride Injection System Upgrade

Total Cost **\$1,500,000**
Type **Construction**
Progress **Design Complete**
Category **Wastewater System**
Location **Avenue 3E and 36th Street**



Justification

Ferrous chloride tanks and pumping systems are currently located inside the building at the Avenue 3E and 36th Street lift station. This creates a very corrosive atmosphere within the facility causing degradation of exposed metal equipment located inside the facility. Relocating the tanks and pumping systems outside will reduce operating and maintenance costs by eliminating the premature replacement of equipment inside the building.

Description

Upgrade ferrous chloride system and move tanks and pumping system outside of the building.

Expenditures	2019	2020	2021	2022	2023	Total
Construction		1,500,000				1,500,000
Total		1,500,000				1,500,000

Funding Sources	2019	2020	2021	2022	2023	Total
Wastewater Utility Fund		1,500,000				1,500,000
Total		1,500,000				1,500,000

Figueroa AWPCF Corrosion Control

Total Cost **\$1,300,000**
Type **Construction**
Progress **Not Started**
Category **Facility Enhancement**
Location **Figueroa Avenue Water Pollution Control Facility (FAWPCF)**



Justification

A corrosion control program will yield lower maintenance costs, longer equipment life cycles and improve safety. The nature of wastewater treatment facilities make corrosion control an economic necessity. Figueroa Avenue Water Pollution Control Facility (FAWPCF) is experiencing accelerated deterioration due to corrosion. Other funding sources are actively being pursued. This project may not proceed in the scheduled year if funding is not established.

Description

Design and construct a corrosion control system for the FAWPCF.

Expenditures	2019	2020	2021	2022	2023	Total
Design		150,000				150,000
Construction			1,150,000			1,150,000
Total		150,000	1,150,000			1,300,000

Funding Sources	2019	2020	2021	2022	2023	Total
Wastewater Utility Fund		150,000	1,150,000			1,300,000
Total		150,000	1,150,000			1,300,000

Septic Waste Receiving Station

Total Cost	\$100,000
Type	Construction
Progress	Not Started
Category	Wastewater System
Location	36th St and Ave 3E Liftstation



Justification

Currently septic tank pumpers haul and dispose of septic tank waste at remote landfill locations. This project will provide a safe, environmentally friendly and economically viable alternative to waste haulers. The department intends to install a turn-key septage receiving station that tests, measures and bills haulers per load delivered. This project will increase department revenue and has been identified in the Utilities Department Five Year Strategic Plan.

Description

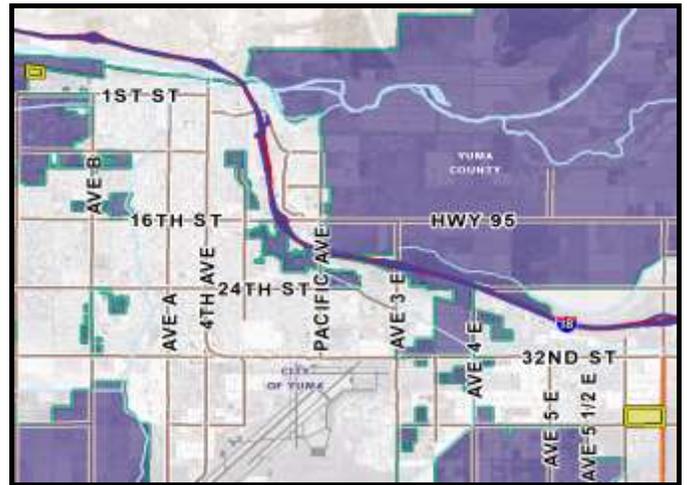
Install turn-key septic tank pumper receiving, monitoring and metering station at the 36th Street and Avenue 3E wastewater lift station.

Expenditures	2019	2020	2021	2022	2023	Total
Design			10,000			10,000
Construction			85,000			85,000
Inspection			5,000			5,000
Total			100,000			100,000

Funding Sources	2019	2020	2021	2022	2023	Total
Wastewater Utility Fund			100,000			100,000
Total			100,000			100,000

Wastewater Vac Truck Dump Station Upgrades

Total Cost **\$1,000,000**
Type **Construction**
Progress **Not Started**
Category **Wastewater**
Location **Figueroa Water Pollution Control Facility and Desert Dunes Water Reclamation Facility**



Justification

Upgrading the Wastewater Vac Truck Dump stations will improve operations and reduce odor complaints within these facilities.

Description

Upgrade or replace existing wastewater vacuum truck disposal stations at Figueroa Water Pollution Control Facility and Desert Dunes Water Reclamation Facility.

Expenditures	2019	2020	2021	2022	2023	Total
Design			100,000			100,000
Construction				900,000		900,000
Total			100,000	900,000		1,000,000

Funding Sources	2019	2020	2021	2022	2023	Total
Wastewater Utility Fund			100,000	900,000		1,000,000
Total			100,000	900,000		1,000,000

Desert Dunes WRF Solids Handling Upgrades

Total Cost \$1,000,000
Type Construction
Progress Not Started
Category Wastewater
Location Desert Dunes WRF



Justification

Existing centrifuges do not provide for efficient operations. Installation of two belt-filter presses will improve the operation of the sludge dewatering system and reduce disposal cost from the facility.

Description

Install new belt-filter press equipment to manage bio-solids at Desert Dunes WRF. Installation of the belt-filter will result in improved operations and efficiency.

Expenditures	2019	2020	2021	2022	2023	Total
Design					120,000	120,000
Construction					850,000	850,000
Inspection					30,000	30,000
Total					1,000,000	1,000,000

Funding Sources	2019	2020	2021	2022	2023	Total
Other - Proposed					1,000,000	1,000,000
Total					1,000,000	1,000,000

Figueroa AWPCF Co-Gen Project

Total Cost **\$1,500,000**
Type **Construction**
Progress **Not Started**
Category **Wastewater**
Location **Figueroa Avenue Water Pollution Control Facility (FAWPCF)**



Justification

The Figueroa Avenue Water Pollution Control Facility (FAWPCF) produces in excess of six tons of greenhouse gasses per year. Environmental regulations require facilities, such as the FAWPCF, to utilize methane which can serve a beneficial purpose before being released into the environment. Methane can be used as a fuel source for electrical producing equipment. This project would allow the FAWPCF to minimize the emissions of greenhouse gasses, conform to proposed environmental regulations and reduce operational costs.

Description

Install cogeneration equipment at the FAWPCF including power generation equipment.

Expenditures	2019	2020	2021	2022	2023	Total
Design					150,000	150,000
Total					150,000	150,000

Funding Sources	2019	2020	2021	2022	2023	Total
Other - Proposed					150,000	150,000
Total					150,000	150,000

Main Street WTP Sediment Basins Improvements

Total Cost \$400,000
Type Construction
Progress Under Design
Category Facility Enhancement
Location Main Street Water Treatment Plant (WTP)



Justification

The concrete within the intake channels of basins at the Main Street WTP are beginning to spall and the reinforcement steel is being exposed to water damage. In order to maintain the long-term structural integrity of the basins it is imperative the damaged concrete and steel be replaced. The existing coatings protecting the steel launders and rake arms need to be removed and replaced as part of the project.

Description

Repair spalling concrete within basin intake channels, replace redwood baffles and recoat steel launders and rake arms in sedimentation basins 1 and 2.

Expenditures	2019	2020	2021	2022	2023	Total
Design	40,000					40,000
Construction	360,000					360,000
Total	400,000					400,000

Funding Sources	2019	2020	2021	2022	2023	Total
Water Utility Fund	400,000					400,000
Total	400,000					400,000

Agua Viva WTP SCADA Network Upgrade

Total Cost **\$275,000**
Type **Improvement**
Progress **Under Design**
Category **Water System**
Location **Agua Viva WTP**



Justification

The existing Supervisory Control and Data Acquisition (SCADA) communications network is shared with several other City of Yuma IT systems. To improve security and reliability of the operation of the water treatment facility the SCADA network should be completely isolated from all other network systems. Cross traffic has caused significant shutdowns of the treatment facility compromising the plant's ability to produce drinking water.

Description

Design and replace existing Agua Viva WTP SCADA network hardware and other related infrastructure.

Expenditures	2019	2020	2021	2022	2023	Total
Installation	250,000					250,000
Software/Hardware	25,000					25,000
Total	275,000					275,000

Funding Sources	2019	2020	2021	2022	2023	Total
Water Utility Fund	275,000					275,000
Total	275,000					275,000

Main Street WTP Filter System Upgrade

Total Cost **\$4,800,000**
Type **Construction**
Progress **Planning**
Category **Facility Enhancement**
Location **Main Street Water Treatment Plant (WTP)**



Justification

The existing filter and backwash system at the Main Street WTP is over 40 years old. Potential failure is possible due to the age of the structures and equipment. System failure may result in lengthy service interruption for a majority of water customers.

Description

Design and install emergency de-watering system in filter gallery. Upgrade existing backwash recovery system filter, system controls, control buildings and backwash recovery pump.

Phase I - Refurbish/Repair under drain gallery, valves, piping and replace media in filters 1-4 (2017-18)

Phase II - Refurbish/Repair under drain and replace media in filters 5-8 (2019-20)

Phase III - Refurbish/Repair under drain and replace media in filters 9-12 (2021-22)

Expenditures	2019	2020	2021	2022	2023	Total
Design	140,000	140,000				280,000
Construction		2,260,000	2,260,000			4,520,000
Total	140,000	2,400,000	2,260,000			4,800,000

Funding Sources	2019	2020	2021	2022	2023	Total
Water Utility Fund	140,000	2,400,000	2,260,000			4,800,000
Total	140,000	2,400,000	2,260,000			4,800,000

Utility Systems Division Relocation

Total Cost **\$4,154,000**
Type **Construction**
Progress **Under Design**
Category **Facility**
Location **200-298 W 13th St**



Justification

The new Fleet Maintenance Facility is located on the site known as the former APS Facility, which currently houses the Utilities Department’s System Division personnel. In order to accommodate the new Fleet Maintenance Facility a new facility for the Utility Department personnel must be built. The location of this new facility is 200-298 West 13th Street. This location is critical to maintaining department operations as it is centrally located within the community and is in close proximity to the new Fleet Maintenance Facility and the Public Works Building.

Description

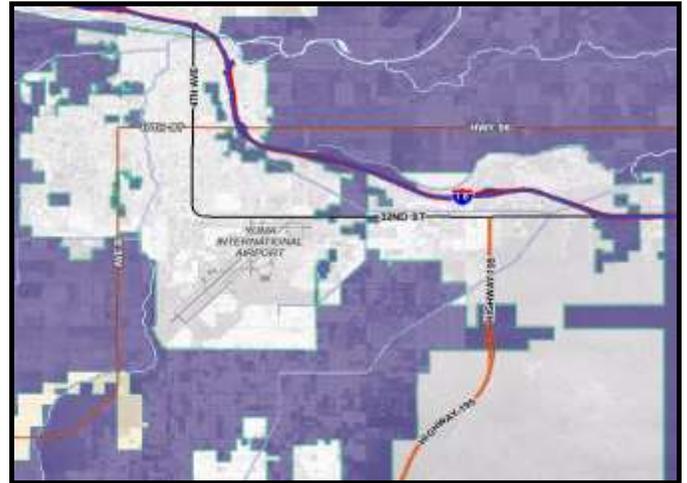
Design and construct a new building for the Utility Department’s System Division personnel.

Expenditures	2019	2020	2021	2022	2023	Total
Design	154,000					154,000
Construction	4,000,000					4,000,000
Total	4,154,000					4,154,000

Funding Sources	2019	2020	2021	2022	2023	Total
Wastewater Utility Fund	2,077,000					2,077,000
Water Utility Fund	2,077,000					2,077,000
Total	4,154,000					4,154,000

Water Main Replacement Annual Project

Total Cost	\$7,000,000
Type	Construction
Progress	As Needed
Category	Water System
Location	Citywide



Justification

Many of the City’s existing water mains were installed mid 1900’s and constructed of undersized cast iron or cement asbestos pipes, making them unreliable and unpredictable. This project offers a proactive, business-like approach to replacing each water main by assessing pipeline conditions and scheduling replacement efficiently. The City is working to eliminate costs of repeated pipeline repairs and disruptions to customers.

Description

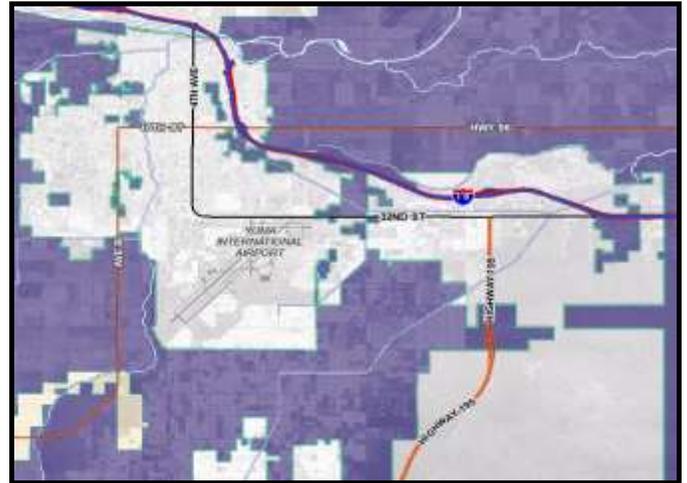
Approximately 1 to 2 miles of undersized or aging water distribution mains throughout the water distribution system will be replaced annually. No dig pipe bursting technology will be utilized where possible. Pavement will be replaced where pipe bursting technology is not utilized.

Expenditures	2019	2020	2021	2022	2023	Total
Design	100,000	100,000	100,000	100,000	100,000	500,000
Construction	900,000	1,400,000	1,400,000	1,400,000	1,400,000	6,500,000
Total	1,000,000	1,500,000	1,500,000	1,500,000	1,500,000	7,000,000

Funding Sources	2019	2020	2021	2022	2023	Total
Water Utility Fund	1,000,000	1,500,000	1,500,000	1,500,000	1,500,000	7,000,000
Total	1,000,000	1,500,000	1,500,000	1,500,000	1,500,000	7,000,000

Water Service Replacement

Total Cost	\$275,000
Type	Construction
Progress	As Needed
Category	Water System
Location	Citywide



Justification

New water services represent an investment in our infrastructure. This project captures these improvements and replacement costs throughout the course of the fiscal year.

Description

Replace water service to include water meter boxes, polyvinyl chloride pipe and fittings.

Expenditures	2019	2020	2021	2022	2023	Total
Construction	50,000	55,000	55,000	55,000	60,000	275,000
Total	50,000	55,000	55,000	55,000	60,000	275,000
Funding Sources	2019	2020	2021	2022	2023	Total
Water Utility Fund	50,000	55,000	55,000	55,000	60,000	275,000
Total	50,000	55,000	55,000	55,000	60,000	275,000

36th Street Water Main Extension

Total Cost **\$250,000**
Type **Construction**
Progress **Design Complete**
Category **Water System**
Location **36th St - West of Ave 4E**



Justification

The existing waterline installed on 36th Street terminates approximately 760 feet west of Avenue 4E. Extending the water main on 36th Street to connect to the watermain on Avenue 4E will improve water quality and ensure system reliability as this water main feeds large production facilities in the area.

Description

Install a 10 inch polyvinyl chloride pipe water main at 36th Street from Avenue 4E west approximately 760 feet.

Expenditures	2019	2020	2021	2022	2023	Total
Construction		245,000				245,000
Inspection		5,000				5,000
Total		250,000				250,000

Funding Sources	2019	2020	2021	2022	2023	Total
Water Utility Fund		250,000				250,000
Total		250,000				250,000

Agua Viva WTP Membrane Replacement

Total Cost	\$1,200,000
Type	Improvement
Progress	Planning
Category	Water System
Location	Agua Viva Water Treatment Plant (WTP)



Justification

Agua Viva WTP utilizes GE Zenon Membrane Filtration Technology. Membrane filtration is a pressure-driven separation process that produces high quality water for distribution to consumers. Membranes act as selective barriers that block particles larger than the pore size from passing through the membrane. The filtration system consists of hollow fibers with pores small enough to block Giardia, Cryptosporidium, and many forms of bacteria from entering the distribution system. Agua Viva operates eight trains, each train consists of eight membrane cassette.

Description

Replace eight membrane cassette per year.

Expenditures	2019	2020	2021	2022	2023	Total
Installation		300,000	300,000	300,000	300,000	1,200,000
Total		300,000	300,000	300,000	300,000	1,200,000

Funding Sources	2019	2020	2021	2022	2023	Total
Water Utility Fund		300,000	300,000	300,000	300,000	1,200,000
Total		300,000	300,000	300,000	300,000	1,200,000

Agua Viva WTP Well No. 1 Replacement

Total Cost **\$2,275,000**
Type **Construction**
Progress **Under Design**
Category **Facility Enhancement**
Location **Agua Viva WTP**



Justification

The Agua Viva WTP wells are the City's primary emergency water supply if the Colorado River supply were to be disrupted. Well number one is not capable of pumping significant quantities of water without pulling large amounts of sand. Well replacement is needed as iron and bacteria have deteriorated the well screens.

Description

Abandon well number 1 and replace it with a well that produces a minimum flow of 3.0 million gallons per day.

Expenditures	2019	2020	2021	2022	2023	Total
Construction		2,275,000				2,275,000
Total		2,275,000				2,275,000

Funding Sources	2019	2020	2021	2022	2023	Total
Water Utility Fund		2,275,000				2,275,000
Total		2,275,000				2,275,000

Waterline Replacement - Avenue C - 16th St to 18th St

Total Cost **\$400,000**
Type **Construction**
Progress **Not Started**
Category **Water System**
Location **Avenue C from 16th St 18th St**



Justification

The existing polyvinyl chloride pipe has experienced failures over several years. Repairs have mitigated outages temporarily. The waterline failures are believed to be attributable to inconsistencies in the pipes material composition. The line is splitting along the length of the pipe in several locations. The line failures have resulted in shut-downs and isolations of the affected line and created water quality issues in this area.

Description

Replace approximately 1,000 lineal feet of 12 inch polyvinyl chloride pipe along Avenue C from 16th Street to 18th Street.

Expenditures	2019	2020	2021	2022	2023	Total
Design		30,000				30,000
Construction		350,000				350,000
Inspection		20,000				20,000
Total		400,000				400,000

Funding Sources	2019	2020	2021	2022	2023	Total
Water Utility Fund		400,000				400,000
Total		400,000				400,000

Loma Vista Subdivision Service Line Replacement

Total Cost	\$250,000
Type	Construction
Progress	Not Started
Category	Water System
Location	Loma Vista Subdivision



Justification

The existing service lines have experienced failures over several years. Repairs have mitigated outages however, in order to prevent roadway damages and costly emergency repairs the service lines need to be replaced.

Description

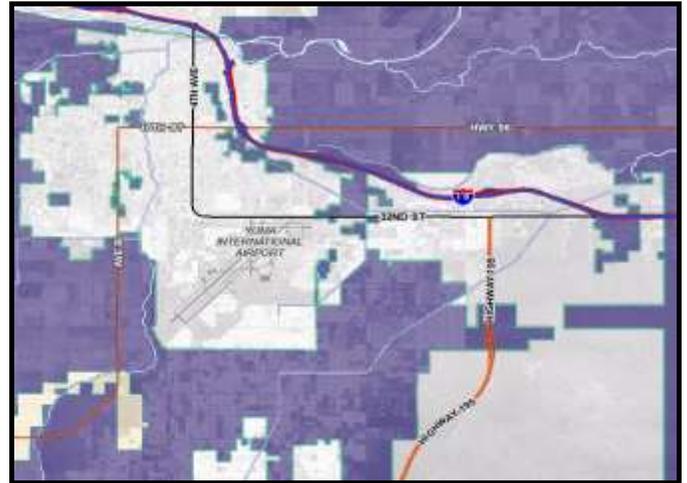
Replace 177 water service lines within Loma Vista Subdivision.

Expenditures	2019	2020	2021	2022	2023	Total
Construction				225,000		225,000
Inspection				25,000		25,000
Total				250,000		250,000

Funding Sources	2019	2020	2021	2022	2023	Total
Water Utility Fund				250,000		250,000
Total				250,000		250,000

Strategic Groundwater Wells and Filtration System

Total Cost	\$6,200,000
Type	Construction
Progress	Not Started
Category	Water System
Location	Citywide



Justification

The City's potable water source is the Colorado River. In case of drought, delivery system outages or contamination may force a temporary or extended loss of river water. The City would then be required to rely exclusively on groundwater wells to meet demands. Currently, the wells at Agua Viva Water Treatment Plant can only produce a maximum of 9.0 million gallons per day (mgd), which is less than half the average daily demand of approximately 20 mgd. This project will determine the feasibility and strategic location for emergency wells, filtration systems and pumping stations Citywide. The wells could also be utilized in summer months to reduce total trihalomethane (TTHMs) levels in the distribution system.

Description

Design and construct new groundwater wells, filtration systems and storage tanks for minimum capacity of 20 mgd at strategic locations throughout the distributions system.

- Phase I - Feasibility and site locations (2022)
- Phase II - Design and land acquisition (2022)
- Phase III - Construct Well Field No. 1 (2023)
- Phase IV - Construct Well Field No. 2 (2024)

Expenditures	2019	2020	2021	2022	2023	Total
Design				600,000		600,000
Land Acquisition/Right-of-Way				400,000		400,000
Construction					2,500,000	2,500,000
Planning				200,000		200,000
Total				1,200,000	2,500,000	3,700,000

Funding Sources	2019	2020	2021	2022	2023	Total
Water Utility Fund				1,200,000	2,500,000	3,700,000
Total				1,200,000	2,500,000	3,700,000

Downtown Revitalization

Total Cost **\$320,000**
Type **Assessment**
Progress **Implementing**
Category **Redevelopment**
Location **Historic Downtown/North End**



Justification

Building a more economically vibrant and sustainable Yuma cannot be accomplished without the revitalization of historic downtown. Unfortunately the presence of idle brownfields removes significant parcels of land from productive use and discourage nearby development by blighting neighborhoods. The City proposed the use of an EPA Brownfields Assessment grant to begin the process of characterizing and redeveloping these sites. This will facilitate the historic downtown’s transition into a vibrant and mixed-use neighborhood.

Description

The YCNHA and the City have worked to preserve green space in the downtown, encourage new sustainable and historically-sensitive development, and promote a more livable City center. However, both the City and the Heritage Area’s plans for the historic downtown focus on the economic and community development challenges of its revitalization and do not address the environmental and public safety complications of the area’s many brownfield properties. This grant will enable the City to integrate its ongoing revitalization and community engagement efforts with a newfound focus on brownfield issues and provide a catalyst for new development and progress in the historic downtown. The City has identified at least 15 potentially contaminated properties in the area that may require environmental remediation.

Expenditures	2019	2020	2021	2022	2023	Total
Planning	320,000					320,000
Total	320,000					320,000

Funding Sources	2019	2020	2021	2022	2023	Total
Grant	320,000					320,000
Total	320,000					320,000

West Wetlands Lower Bench Completion

Total Cost **\$85,000**
Type **Improvement**
Progress **Under Construction**
Category **Park Improvements**
Location **West Wetlands Park**



Justification

Gateway Park is often at capacity during the busy summer months and expanding West Wetlands Park would provide residents a pleasant alternative to Gateway Park. Expanding riverfront access for the public is a City priority and as funding continues to decrease, staff is constantly pursuing alternative funding sources in order to provide new recreational opportunities. A relatively small investment can yield considerable benefits, as restrooms and road infrastructure are already in place at West Wetlands Park.

Description

Improvements will include constructing a new trail access to the main entrance of the Lower Bench and Rain Garden area, mitigate and restore new and existing trails with wooden bollards and recondition existing trails with new surfacing materials.

Expenditures	2019	2020	2021	2022	2023	Total
Construction	85,000					85,000
Total	85,000					85,000

Funding Sources	2019	2020	2021	2022	2023	Total
Grant	85,000					85,000
Total	85,000					85,000

Yuma Multimodal Center

Total Cost **\$17,375,000**
Type **Reconstruction**
Progress **Planning**
Category **Buildings**
Location **3rd St between Gila St and Maiden Ln**



Justification

In 2000, the Yuma Metropolitan Planning Organization developed a plan to create a Multimodal Transportation Center in the vacant Hotel Del Sol located downtown. The City of Yuma purchased the facility in 2006 utilizing Transportation Equity Act for the 21st Century (TEA-21) funds. Reclaiming this historic resource will dramatically enhance the appearance of the downtown area, while providing an important transit facility for the community. The environmental analysis and remediation is complete. Several grant opportunities are currently being pursued for the construction phase of this project, including Federal Transit Administration and Community Development Block Grant funds.

Description

Build a Multimodal Transportation Center at the vacant Hotel Del Sol, two grants have been awarded for design and preconstruction.

Expenditures	2019	2020	2021	2022	2023	Total
Design	1,210,000	260,000				1,470,000
Construction		905,000	15,000,000			15,905,000
Total	1,210,000	1,165,000	15,000,000			17,375,000

Funding Sources	2019	2020	2021	2022	2023	Total
Grant	965,000	930,000				1,895,000
Other - Proposed	245,000		15,000,000			15,245,000
Two Percent Tax		235,000				235,000
Total	1,210,000	1,165,000	15,000,000			17,375,000

City of Yuma, Arizona
Capital Improvement Program
 2024 thru 2028

PROJECTS BY YEAR

Project Name	Department
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2024

Catalina Drive - 32nd Street to 4th Avenue Paving	Transportation
Palo Verde St - Catalina Dr to Arizona Ave Paving	Transportation
4th Avenue Paving - 32nd St to 40th St	Transportation
8th Street & Pacific Avenue Corridor Improvements	Transportation
Triple S Industrial Park Paving	Transportation
16th Street and Pacific Avenue Turn Lane	Transportation
Manhole Rehabilitation/Reconstruction	Wastewater Utility
Sewer Line Replacements/Improvements	Wastewater Utility
Figueroa AWPCF Co-Gen Project	Wastewater Utility
Figueroa AWPCF Administrative Building Expansion	Wastewater Utility
Wastewater Collection System Lift Station Upgrades	Wastewater Utility
Avenue B & 16th Street Lift Station & Force Main	Wastewater Utility
Main Street WTP Backwash Recovery Clarifier	Water Utility
Agua Viva WTP Membrane Replacement	Water Utility
Water Service Replacement	Water Utility
Waterline Replacement/Improvements	Water Utility
30th Street Water Main - Avenue 6½E to Avenue 7E	Water Utility
Strategic Groundwater Wells and Filtration System	Water Utility
16th Street Tank Booster Pump Station Upgrade	Water Utility
Water Main Replacement Annual Project	Water Utility

2025

PSTF Educational Building	Public Safety
32nd Street and Arizona Avenue Turn Lane	Transportation
Avenue 9E-28th Street to N. Frontage Road	Transportation
Manhole Rehabilitation/Reconstruction	Wastewater Utility
Sewer Line Replacements/Improvements	Wastewater Utility
Figueroa AWPCF Capacity Improvements	Wastewater Utility
Figueroa AWPCF Biosolids Dewatering Process II	Wastewater Utility
Wastewater Collection System Lift Station Upgrades	Wastewater Utility
Agua Viva WTP Membrane Replacement	Water Utility
Water Service Replacement	Water Utility
Waterline Replacement/Improvements	Water Utility
Water Main Replacement Annual Project	Water Utility
Chlorine Booster Pump Stations	Water Utility

2026

Fire Station 8 (A) - 36th Street & Avenue 4E	Public Safety
4th Avenue and 8th Street Turn Lane	Transportation
Avenue B and 16th Street Turn Lane	Transportation
Manhole Rehabilitation/Reconstruction	Wastewater Utility

Project Name**Department**

Sewer Line Replacements/Improvements	Wastewater Utility
Figueroa AWPCF Capacity Improvements	Wastewater Utility
Wastewater Collection System Lift Station Upgrades	Wastewater Utility
Agua Viva WTP Membrane Replacement	Water Utility
Water Service Replacement	Water Utility
Waterline Replacement/Improvements	Water Utility
Water Main Replacement Annual Project	Water Utility
Chlorine Booster Pump Stations	Water Utility

2027

PSTF Police Tactical Training Village	Public Safety
West Mesa Drainage Improvements	Stormwater Control
Storm Water Drainage - Del Oro Estates	Stormwater Control
24th Street - North Frontage Road Widening	Transportation
24th Street and 1st Avenue Turn Lane	Transportation
Manhole Rehabilitation/Reconstruction	Wastewater Utility
Sewer Line Replacements/Improvements	Wastewater Utility
Figueroa AWPCF Capacity Improvements	Wastewater Utility
Wastewater Collection System Lift Station Upgrades	Wastewater Utility
Agua Viva WTP Membrane Replacement	Water Utility
Water Service Replacement	Water Utility
Waterline Replacement/Improvements	Water Utility
Water Main Replacement Annual Project	Water Utility

2028

West Wetlands Loop Road & Utility Build-Out	Parks and Recreation
PSTF Police Tactical Training Village	Public Safety
Manhole Rehabilitation/Reconstruction	Wastewater Utility
Sewer Line Replacements/Improvements	Wastewater Utility
Wastewater Collection System Lift Station Upgrades	Wastewater Utility
Agua Viva WTP Membrane Replacement	Water Utility
Water Service Replacement	Water Utility
Waterline Replacement/Improvements	Water Utility
TTHM Air Stripping Tank System	Water Utility
Water Main Replacement Annual Project	Water Utility

POTENTIAL INFRASTRUCTURE PROJECTS

Capital Improvement Program

City of Yuma, Arizona

Parks and Recreation

Status	Project Name
P.I.P.	Aqua Viva Water Treatment Facility Urban Lake Park
P.I.P.	Jackrabbit Pass Park
P.I.P.	Archery Range
P.I.P.	Avenue C¾ Alignment Park - 16th to 22nd Street 45th
P.I.P.	Avenue & Central Drain Stub No. 1 Linear Park South
P.I.P.	Valley Recreation Center
P.I.P.	Civic Center Roof Replacement
P.I.P.	Community Pool
P.I.P.	East Wetlands Park Improvements
P.I.P.	Historic Yuma Theatre Expansion
P.I.P.	Linear Parks
P.I.P.	Neighborhood Parks in New Residential Subdivisions
P.I.P.	Regional Recreation Center
P.I.P.	North Mesa Community Park
P.I.P.	Riverside Park Expansion
P.I.P.	Smucker Memorial Park Capacity Improvements
P.I.P.	Sunrise Optimist Park Expansion
P.I.P.	South Mesa Community Park
P.I.P.	Trail Connection to Paradise Cove
P.I.P.	West Wetlands Park Upper Bench
P.I.P.	Yuma Art Center Technology Updates
P.I.P.	Yuma Civic Center Parking Lot Paving
P.I.P.	Yuma East Athletic Park
P.I.P.	Yuma Readiness Center Air Conditioning
P.I.P.	Yuma Valley Community Park Phase 2

Public Safety

Status	Project Name
P.I.P.	Fire Station 9 - Avenue 6E & 36th Street
P.I.P.	Municipal Court Expansion
P.I.P.	City of Yuma Prosecutor Office
P.I.P.	Fire Station E - I-8 and Fortuna Road
P.I.P.	Fire Station C - Avenue C and 8th Street

Stormwater Control

Status	Project Name
P.I.P.	Arena Drive Storm Drain
P.I.P.	Storm Water Lift Station Conversion
P.I.P.	Hacienda Estates Subdivision
P.I.P.	Del Oro Storm Drainage
P.I.P.	Hacienda Estates Storm Drain Upgrade
P.I.P.	Lynnwood Estates Storm Drainage
P.I.P.	Storm Pump Station Telemetry
P.I.P.	The Manors Storm Sewer System
P.I.P.	8th Avenue Storm Sewer Extension
P.I.P.	Fix Alley Drainage - 4th Avenue & Ave. A

Transportation

Status	Project Name
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P.I.P. 12TH Street - Pacific Avenue to Avenue 3E
 P.I.P. 12th Street and Avenue C
 P.I.P. 12th Street-Avenue D to C
 P.I.P. 16th Street - 45th Avenue to Avenue D
 P.I.P. 16th Street 45th Avenue West City Limits
 P.I.P. 16th Street and Arizona Avenue Improvements
 P.I.P. 16th Street Corridor
 P.I.P. 20th Place Paving
 P.I.P. 20th Street and 45th Avenue Signal
 P.I.P. 20th Street and 45th Avenue Turn Lane
 P.I.P. 24th Street - 45th Avenue to Avenue C
 P.I.P. 24th Street - Avenue B to Park
 P.I.P. 24th Street - Park to Avenue C
 P.I.P. 24th Street & Avenue B Intersection Improvements
 P.I.P. 32nd Street & Avenue B Intersection Improvements
 P.I.P. Yuma Expressway
 P.I.P. 24th Street and Kennedy Lane Turn Lane
 P.I.P. 24th Street and Pacific Avenue Turn Lane
 P.I.P. 24th Street Right-Turn Lanes at Arizona Avenue
 P.I.P. 28th Street-4th to Madison Avenue Paving
 P.I.P. 2nd Ave/Orange Ave Roundabout 30-1
 P.I.P. 2nd Avenue Reonstruction - 10th St to 12th St 3rd
 P.I.P. Street - 4th Avenue to Avenue A
 P.I.P. 32nd Street-Avenue B to Big Curve
 P.I.P. 36th Street Crossing over A-Canal
 P.I.P. 40TH Street - Avenue 63/4E to Avenue 8E
 P.I.P. 40th Street -Avenue 3E to Avenue 10E
 P.I.P. 45th Ave Improvements - 25th St to 28th St
 P.I.P. 48th Street - Avenue 3E to 5½E
 P.I.P. 48th Street Crossing over A-Canal
 P.I.P. 4th Ave to Gillapie Way & Burch Way Paving
 P.I.P. 4th Ave-Airport Loop 40th St to 56th St Paving
 P.I.P. 4th Avenue & 24th Street Improvement
 P.I.P. 4th Avenue and Giss Parkway Turn Lane
 P.I.P. 56th Street - ASH to Ave 10E
 P.I.P. Atmar Subdivision 1 and 2 Paving
 P.I.P. Ave 7E and 40th St Crossing over A-Canal
 P.I.P. Ave 9E Reconstruction, 24th St to N Frontage Rd Ave
 P.I.P. 9E Improvements at UPRR Crossing
 P.I.P. Avenue 10E Improvements - 40th St to S Frontage Rd
 P.I.P. 1st to Colorado Street-Avenue A to 23rd Ave Paving
 P.I.P. Rancho Verde Subdivision Paving
 P.I.P. Avenue 3½E - Avenue 3E to 48th Street
 P.I.P. Avenue C - 24th Street to 32nd Street
 P.I.P. Fortuna Avenue Northend to 32nd Street Pavement
 P.I.P. Shorth Way-30th to 32nd Street Paving
 P.I.P. Fortuna Avenue-Southend to 32nd Street Paving
 P.I.P. Giss Parkway/2nd Ave Roundabout 30
 P.I.P. La Mesa Hermosa Pavement Replacement
 P.I.P. Maple Avenue 10th to 11th Street Paving
 P.I.P. Meadowbrook Subdivision Paving
 P.I.P. Pueblecito Pavement Replacement
 P.I.P. San Carlos Subdivision Paving
 P.I.P. Sanguinetti Manor Subdivision Paving
 P.I.P. South McDaniels Avenue Paving
 P.I.P. Taylor Subdivision Paving
 P.I.P. Traffic Management Center

P.I.P.	40th Street - Avenue 8E to 10E
P.I.P.	32nd Street - Big Curve to Avenue 3E
P.I.P.	32ND Street - Avenue B to B1/3
P.I.P.	16th Street - 45th to 46th Drive
P.I.P.	Giss Pkwy-WB Off-Ramp-8th St-Pacific Ave-12th St
P.I.P.	Avenue 10E - South Frontage Road to 40th Street
P.I.P.	Avenue 10E - 40th to 48th Street
P.I.P.	Avenue 10E - 48th to 56th Street
P.I.P.	1st Street - Avenue B to 4th Avenue
P.I.P.	Thacker Lateral - West Main Canal to 32nd Street
P.I.P.	Pacific Avenue - Levee Rd to 8th St Share Use Path
P.I.P.	Avenue A - Rosewood Drive to 32nd Street
P.I.P.	Arizona Avenue - 10th Street to 16th Street
P.I.P.	Pacific Ave - 8th St to 12th St to 12th St
P.I.P.	Pacific Avenue-16th to 24th Street Pedestrian Imp
P.I.P.	Pacific Avenue Sidewalks - 28th St to 32nd St
P.I.P.	32nd Street & Big Curve Intersection

Wastewater Utility

<u>Status</u>	<u>Project Name</u>
P.I.P.	Desert Dunes Water Reclamation Facility Expansion
P.I.P.	Cemetery/Main Street - 6th to 7th Streets
P.I.P.	Secondary Clarifier Upgrades & Improvements
P.I.P.	4th Avenue - Sewer Line Repairs/Replacement

Water Utility

<u>Status</u>	<u>Project Name</u>
P.I.P.	24th Street Water Storage Tanks
P.I.P.	Main Street WTP Chlorine System Modification
P.I.P.	Agua Viva WPCF Storage Tank Interior Recoat
P.I.P.	Agua Viva Urban Lake
P.I.P.	Augusta Drive - Waterline Replacement
P.I.P.	24th Street 16" Waterline - 8th to Arizona Avenue
P.I.P.	Arizona Ave. Waterline - 5th Street to 24th Street
P.I.P.	28th Street Waterline - 8th Ave to Ave A
P.I.P.	19th Street Waterline - 4th Ave. to Arizona Ave.
P.I.P.	10" Waterline at 28th St E. of 4th Avenue
P.I.P.	5th Street 10" Watermain - Avenue B to Avenue C
P.I.P.	Orange Avenue Waterline - 4th St to 8th St

ALPHABETIC PROJECT INDEX

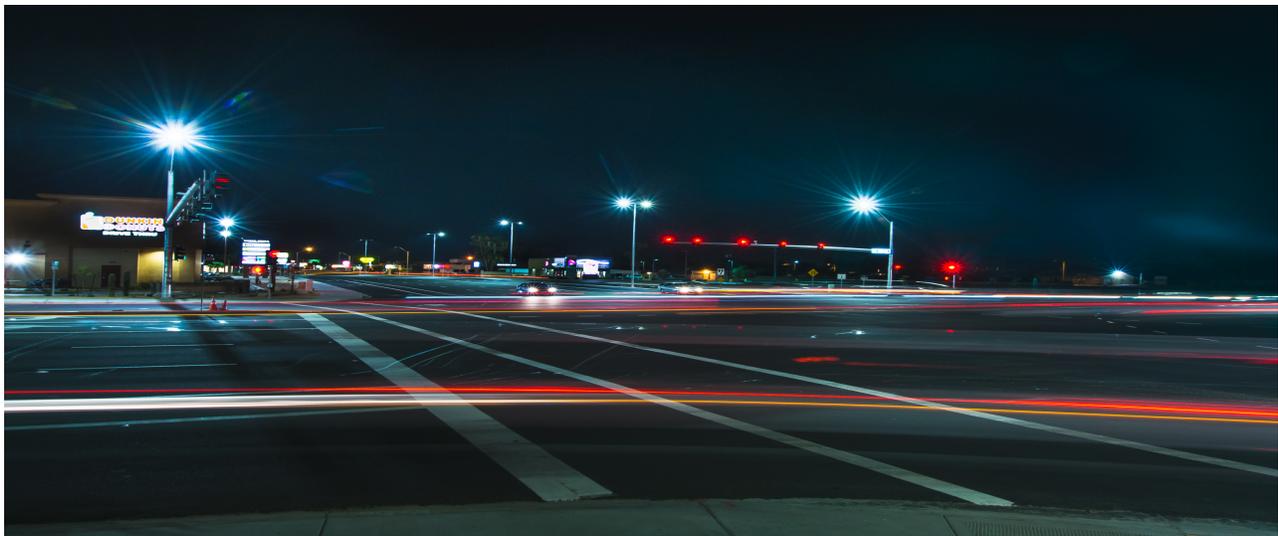
Capital Improvement Program City of Yuma, Arizona

Project Name	Dept Name	Year	Page
12th Street Paving - 21st Dr to Ave B	Transportation	2022	55
14th Avenue Paving -12th St to 16th St	Transportation	2022	56
14th Street Paving - 1st Ave to 4th Ave	Transportation	2020	44
16th Street Paving - Ave B to Ave C	Transportation	2019	25
16th Street ROW Acquisition , 1st Ave to Maple Ave	Transportation	2019	26
18th Street and Avenue C Traffic Signal	Transportation	2023	59
1st Avenue Paving - 12th St to 16th St	Transportation	2019	27
1st Avenue Paving - Orange Ave to 9th St	Transportation	2019	28
28th Street - Ave C to 45th Ave	Transportation	2022	57
28th Street Construction - Ave B to Ave C	Transportation	2023	60
32nd St & Pacific Ave Intersection Improvements	Transportation	2020	45
32nd Street and Avenue 5E Turn Lanes	Transportation	2022	58
32nd Street and Avenue 7E Turn Lane	Transportation	2020	46
32nd Street and Avenue 8E Turn Lane	Transportation	2020	47
32nd Street Paving - Ave B to Ave C	Transportation	2020	48
36th Street Water Main Extension	Water Utility	2020	87
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40th Street Paving - Arizona Ave to Ave A	Transportation	2020	49
45th Avenue Paving - 16th St to 20th St	Transportation	2020	50
4th Avenue Paving - 32nd St to 40th St	Transportation	2019	30
8th Street & Pacific Avenue Corridor Improvements	Transportation	2023	61
8th Street Reconstruction - Ave C to Ave D	Transportation	2019	31
Agua Viva WTP Membrane Replacement	Water Utility	2020	88
Agua Viva WTP SCADA Network Upgrade	Water Utility	2019	81
Agua Viva WTP Well No. 1 Replacement	Water Utility	2020	89
Airport Loop Road Improvements	Transportation	2021	54
Arizona Ave Paving - Palo Verde St to Country Club Dr	Transportation	2019	32
Arizona Avenue Paving - 33rd St to 40th St	Transportation	2020	51
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Avenue 3 1-2 E Paving - 32nd St to 40th St	Transportation	2023	62
Avenue 5E, Water and Sewer Extension	Wastewater Utility	2020	72
Avenue 6E Multiuse Path	Transportation	2019	33
Avenue 9E Bike Lanes	Transportation	2019	34
Avenue A Paving - 32nd St to 36th St	Transportation	2019	35
Avenue C - 16th St 18th St Waterline Replacement	Water Utility	2020	90
Citywide Development Fee Update	General Government	2019	13
Citywide Safety Improvements	Transportation	2019	36
Citywide Stormwater Lift Station Upgrades	Stormwater Control	2019	22
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Desert Dunes WRF Reclaimed Water System	Wastewater Utility	2019	65
Desert Dunes WRF Solids Handling Upgrades	Wastewater Utility	2023	78
Desert Dunes WRF UV Disinfection System Upgrades	Wastewater Utility	2020	73
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Ferrous Chloride Injection System Upgrade	Wastewater Utility	2020	74
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Figueroa AWPCF AZPDES Renewal	Wastewater Utility	2019	67
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Figueroa AWPCF Corrosion Control	Wastewater Utility	2020	75
Figueroa AWPCF Electrical Upgrades	Wastewater Utility	2019	68
Fire Station 4 Remodel	Public Safety	2019	16

ALPHABETIC PROJECT INDEX

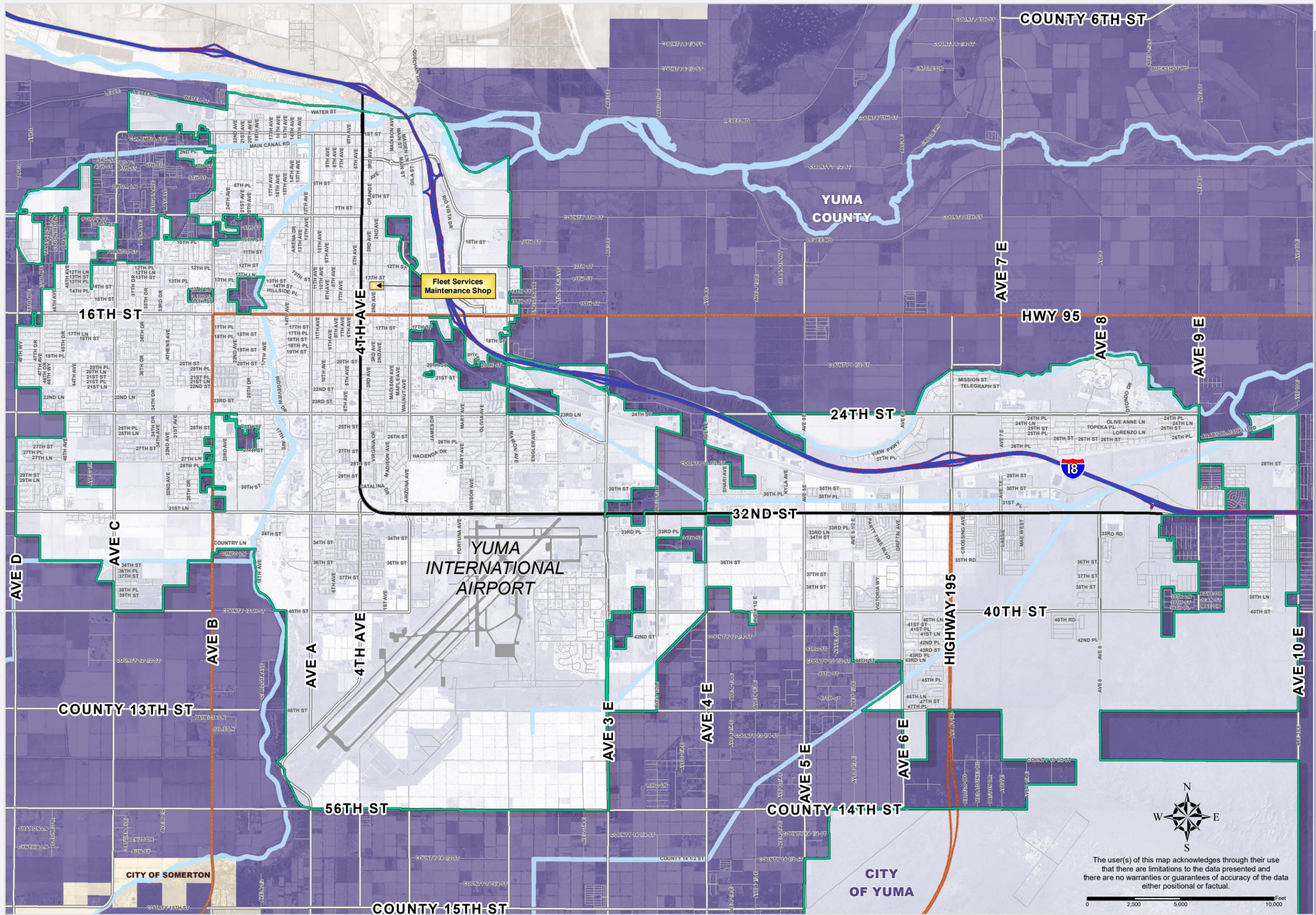
Capital Improvement Program City of Yuma, Arizona

Project Name	Dept Name	Year	Page
Fire Station 7 (D) - Construction	Public Safety	2021	18
Fleet Services Maintenance Shop	General Government	2019	14
Gila St & Maiden Ln Paving - 1st St to Giss Pkwy	Transportation	2019	37
Intelligent Transportation System Master Plan	Transportation	2020	53
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North Frontage Road Paving - Ave 9E to Ave 10E	Transportation	2019	39
Pavement Preservation	Transportation	2019	40
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Xeriscape Conversion	Transportation	2019	43
Yuma Multimodal Center	YCNHA	2019	95



Long Exposure - 4th Avenue & 16th Street, Yuma, AZ 85364

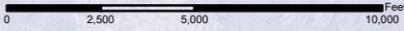
Capital Improvement Program General Government FY 2019



General Government Projects
 General Government Projects
 City of Yuma
 Yuma County
*NOTE: Citywide Projects
Citywide Development Fee Update

Map-1

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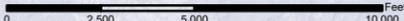
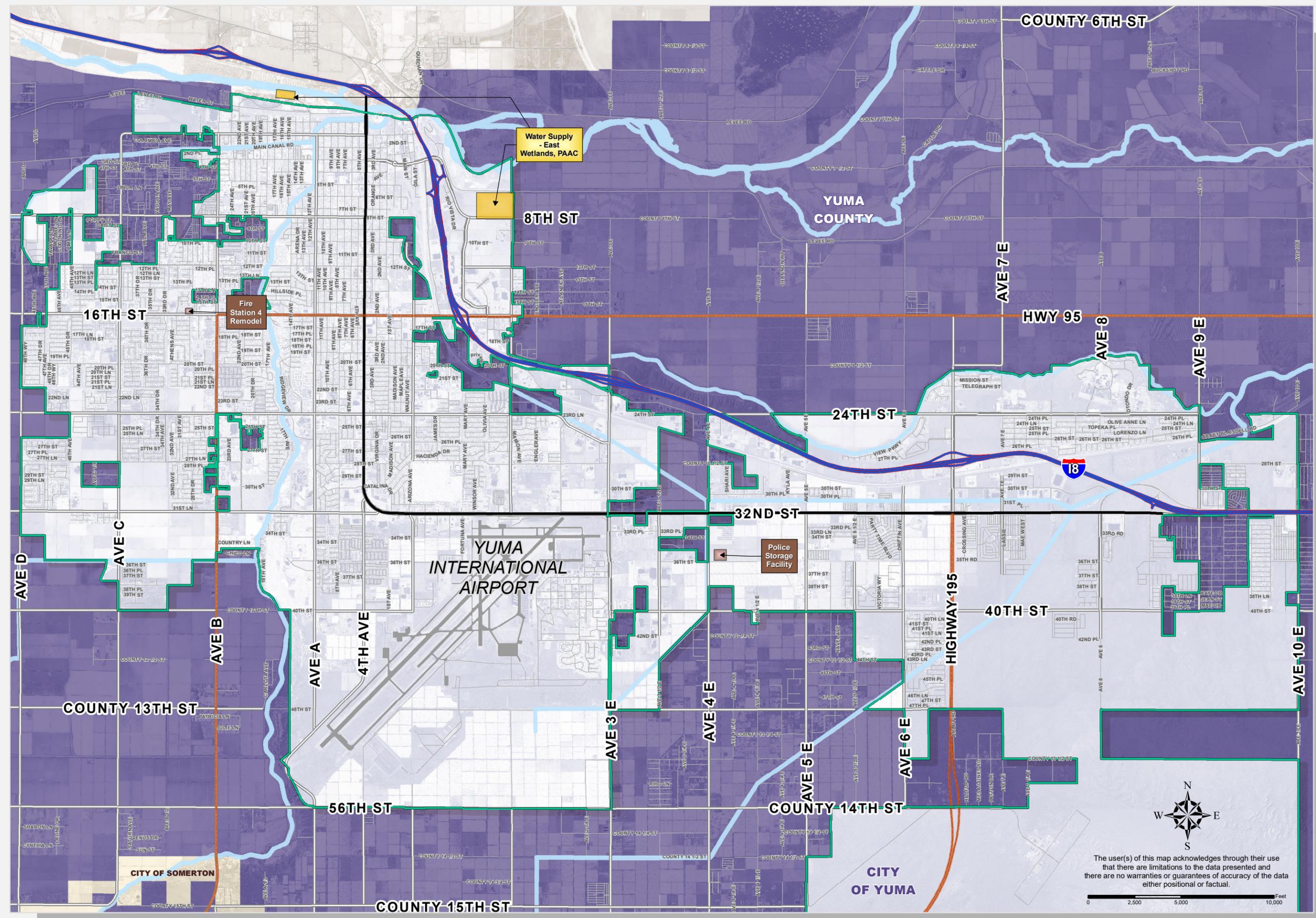



Capital Improvement Program Parks and Recreation/ Public Safety-FY 2019

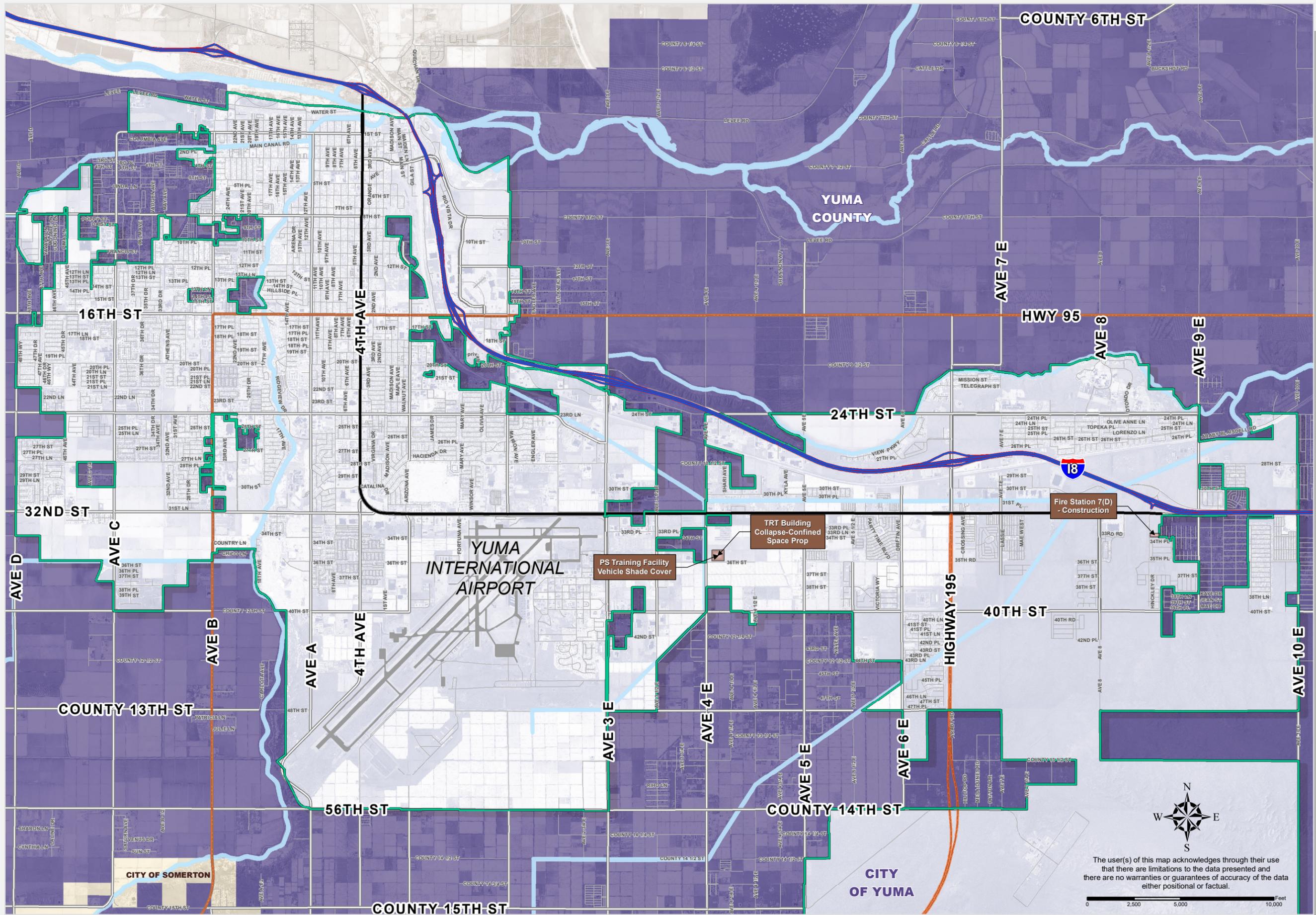
- Parks and Recreation Projects
- Public Safety Projects
- City of Yuma
- Yuma County

Map-2

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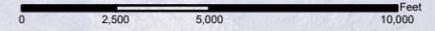
Capital Improvement Program Public Safety FY 2020-23



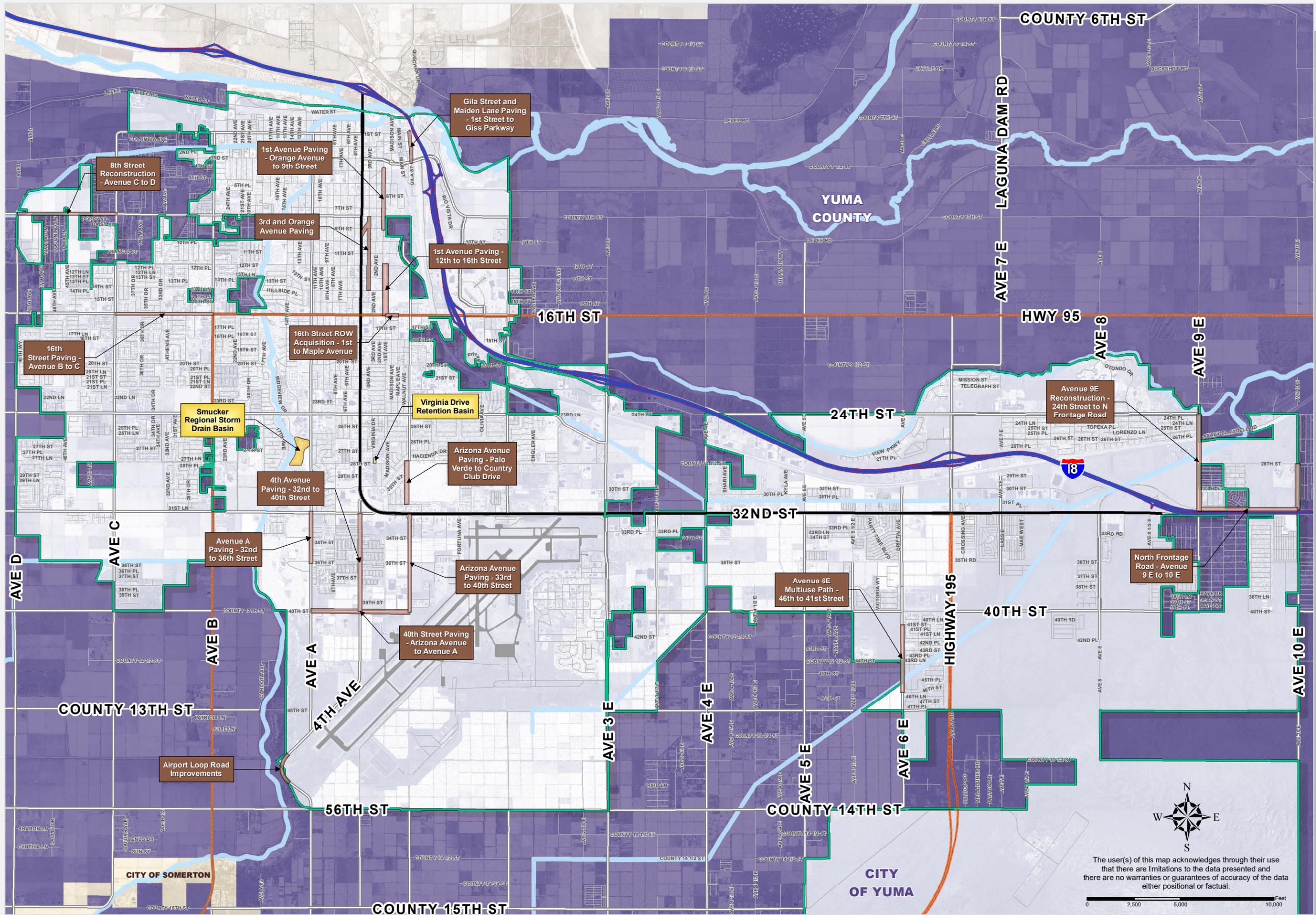
Public Safety Projects
 City of Yuma
 Yuma County
*NOTE: Chrome Projects Public Safety Vehicles and Equipment

Map-2

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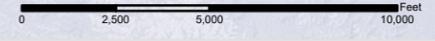
Capital Improvement Program Stormwater Control/ Transportation-FY 2019



- Transportation Projects
 - Stormwater Control Projects
 - City of Yuma
 - Pavement Preservation Imp.
 - Streetlight Pole
 - Assessment and Replacement
 - Traffic Signal Upgrades
 - Yuma County
 - Supplement
 - Citywide Safety Improvements
 - Intelligent Transportation System Master Plan
 - Citywide Stormwater LIT Station Upgrade
 - LED Streetlight System Retrofit
- *NOTE: Citywide Projects
 - Citywide Safety Improvements
 - Intelligent Transportation System Master Plan
 - Citywide Stormwater LIT Station Upgrade
 - LED Streetlight System Retrofit

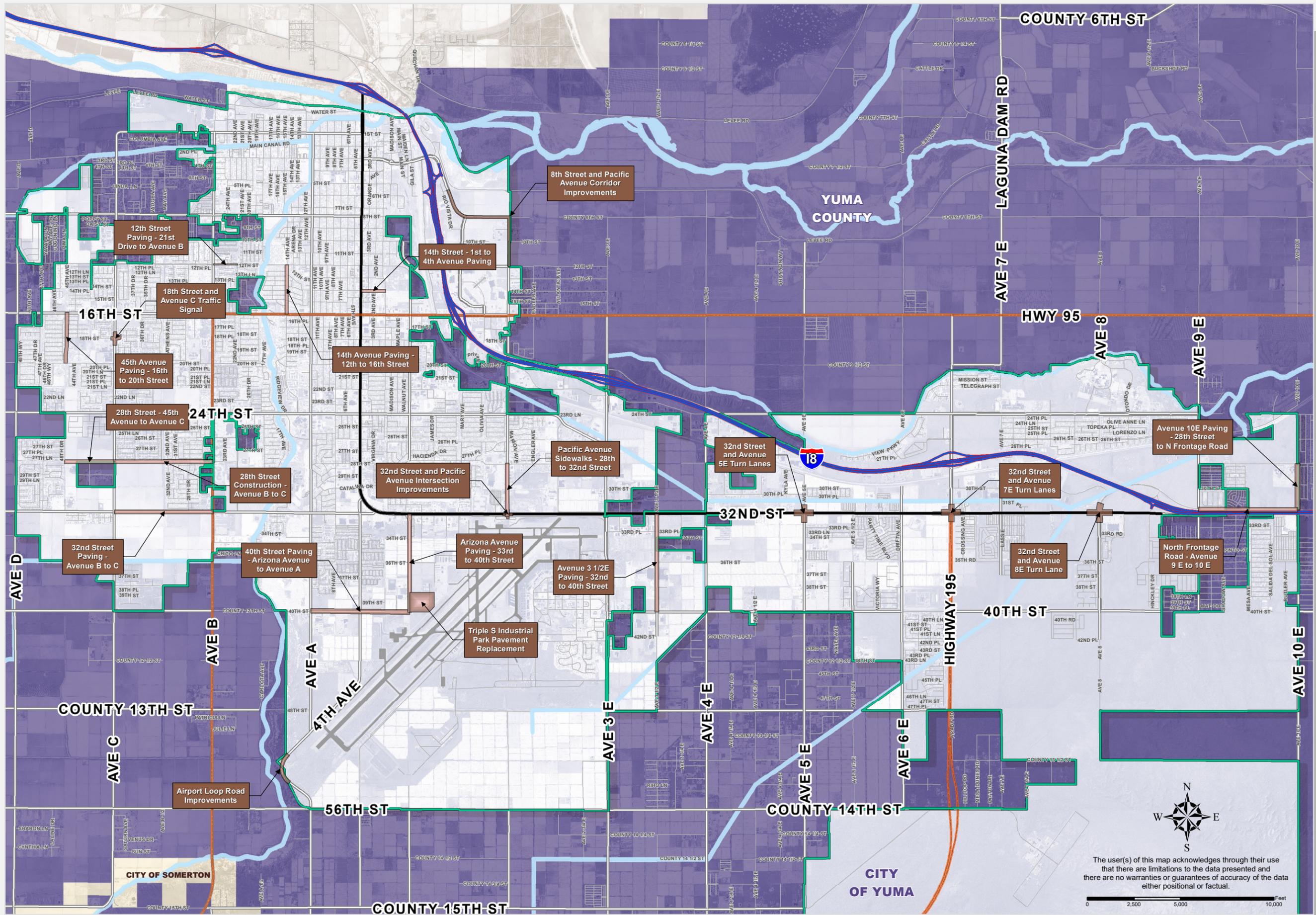


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Map-3

Capital Improvement Program Transportation FY 2020-23



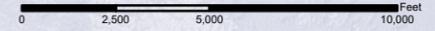
Transportation Projects

- City of Yuma
- Yuma County

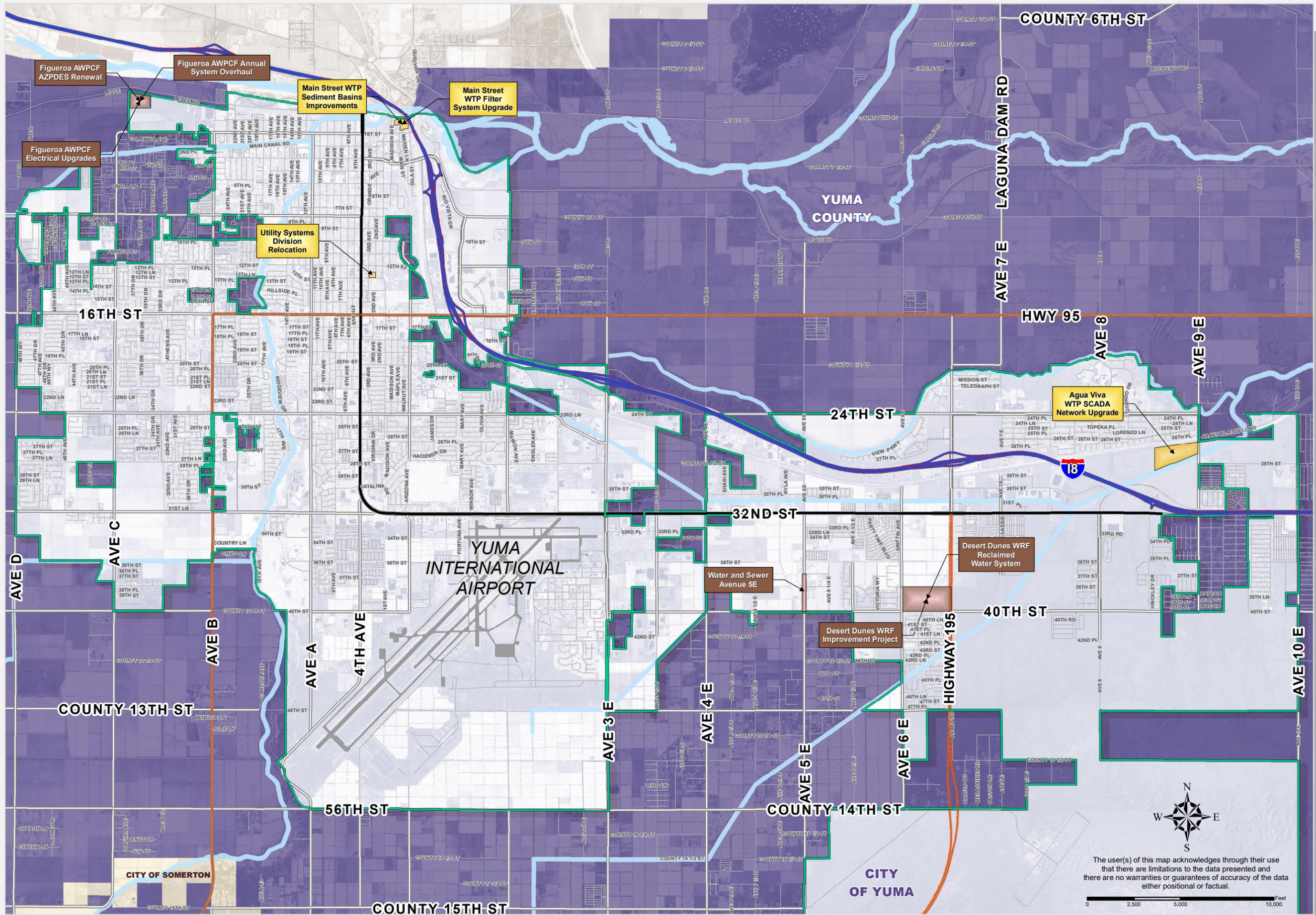
*NOTE: Citywide Projects
-Citywide Safety Study
-Pavement Preservation Improvement
-Street Signage Conversion
-Landscape Conversion



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Capital Improvement Program Wastewater Utility/ Water-FY 2019

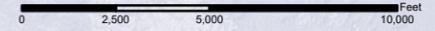


Water Utility Projects
Wastewater Utility Projects
City of Yuma
Yuma County

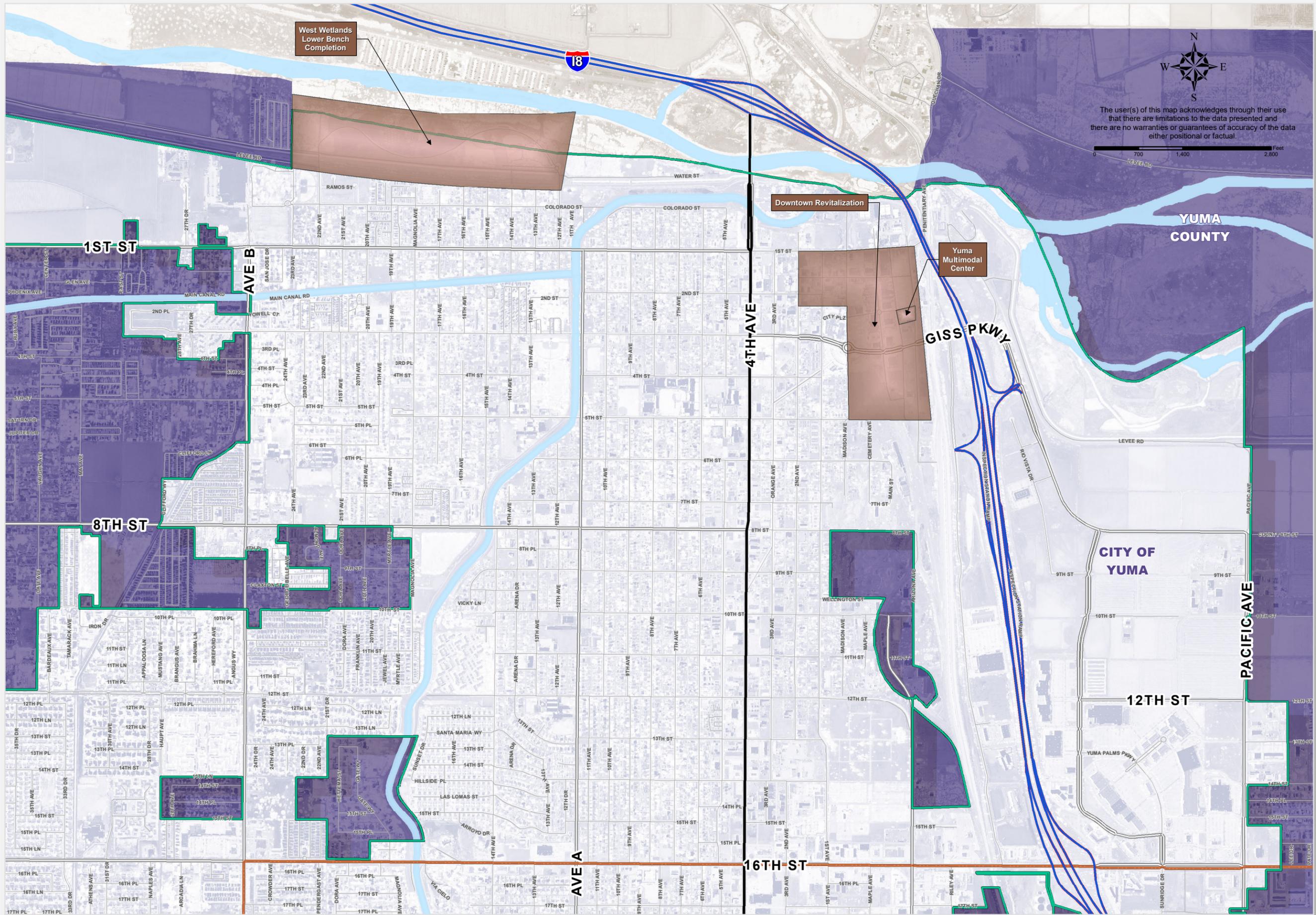
*NOTE: Citywide Projects
 -New Water Services
 -Waterline Rehabilitation/Replacement
 -Water Main Replacement/Annual Project
 -Manhole Rehabilitation/Reconstruction
 -Sewer Line Replacement/Improvements
 -Wastewater Collection System Lift Station Upgrades



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Map-4



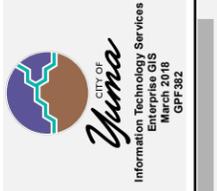
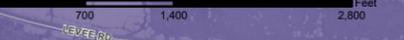
West Wetlands Lower Bench Completion

Downtown Revitalization

Yuma Multimodal Center

YUMA COUNTY

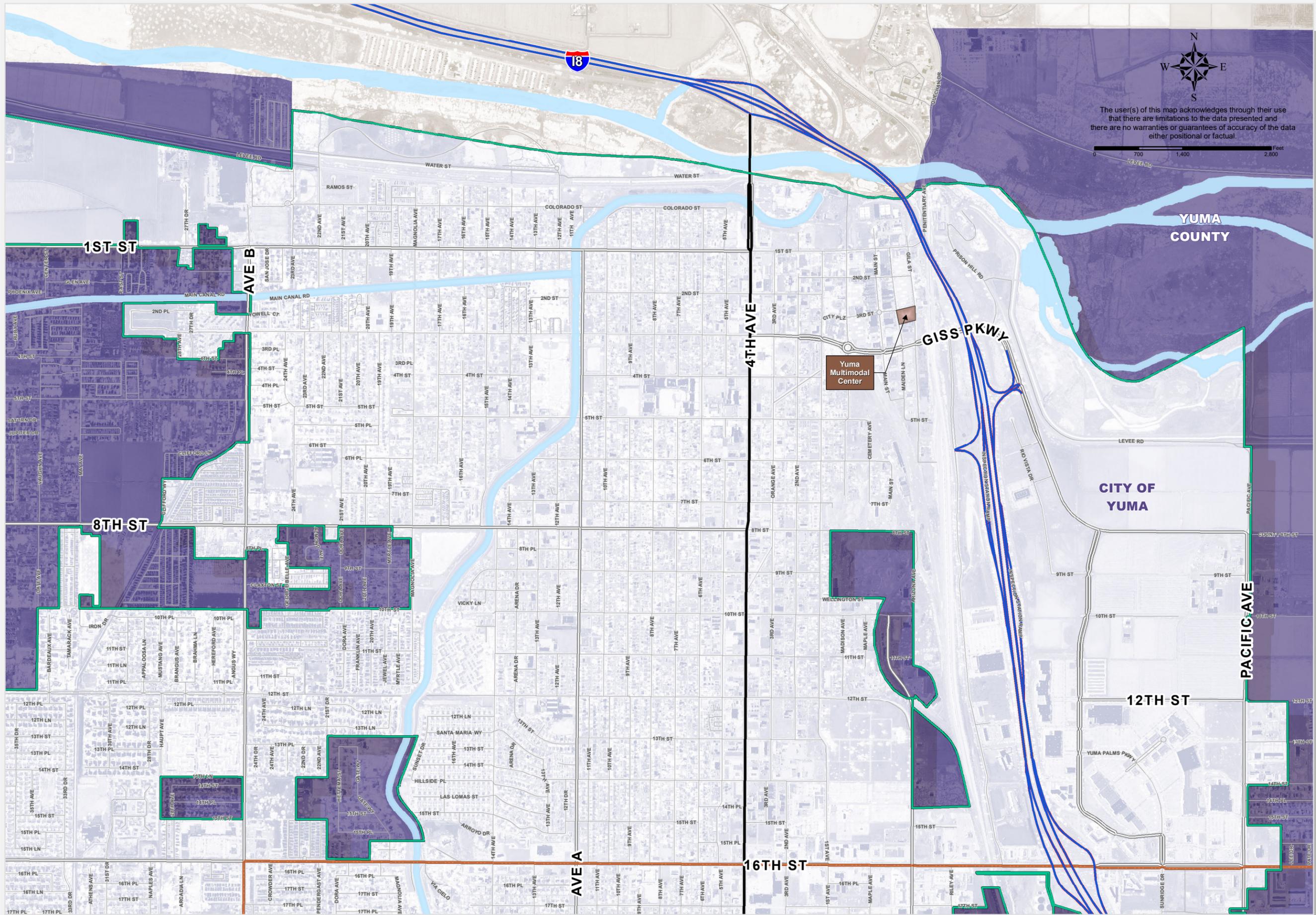
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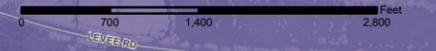
Capital Improvement Program Yuma Crossing Heritage (YCNHA)-FY 2019

-  Heritage Area Projects
-  City of Yuma
-  Yuma County

Map-5



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Capital Improvement Program Yuma Crossing Heritage (YCNHA)-FY 2020-23

- Heritage Area Projects
- City of Yuma
- Yuma County

Map-5