

Capital Improvement Program



CITY OF
Yuma

Douglas J. Nicholls
Mayor

Gary Knight
Deputy Mayor

William Craft
Councilmember

Jacob Miller
Councilmember

Michael Shelton
Councilmember

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Councilmember

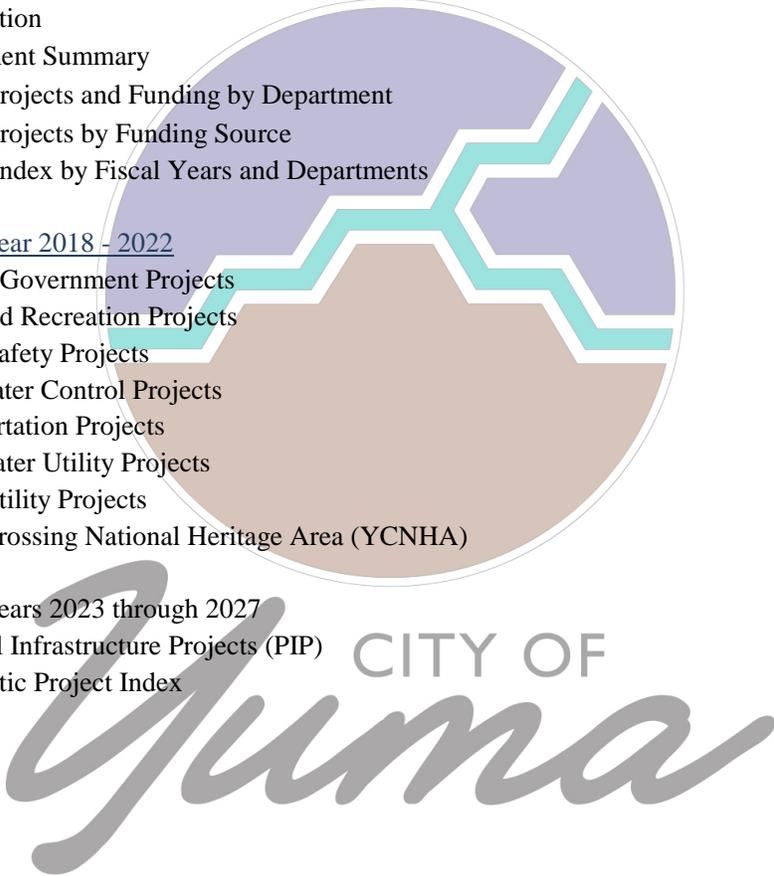
Gary Wright
Councilmember

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City Administrator

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City of Yuma, Arizona

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City of Yuma Capital Improvement Program

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. The CIP is an exercise of discretion involving a determination of fundamental governmental policy. 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 the basic physical structures, systems and facilities needed to provide services. Infrastructure includes sidewalks, streets, parks, fire stations, police facilities, 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 in 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 the respective department's operating budget.

New projects are developed throughout the course of the fiscal year. New projects are proposed to Administration by City Council, 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, Major Roadways Plan, Infrastructure Improvements Plan, and the Parks and Recreation Facility Plan, to name a few. These plans can be found on the City of Yuma website.

Once project compatibility is established, funding must be identified. Funding availability is a key factor in determining project initiation and completion. 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. After a project is approved it is included in the Department's capital project schedule based on its priority.

Funding Sources

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 of Bond Issue, 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 constantly 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.

Highway User Revenue Fund (HURF): This is funding from gasoline tax collected by the state and shared with cities and towns. These funds are restricted to maintenance and construction of highways and streets. For several years the State Legislature has retained a large portion of the funds, usually allocated to cities and towns, to fund the Arizona Department of Public Safety. In fiscal year 2017 the State Legislature had proposed a reinstatement of

funds however the State only reduced the amount swept which allowed for capital projects in fiscal years 2017 and 2018.

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

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 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. The 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 portion is dedicated to capital projects.

Challenges

The City's major challenge is providing ongoing maintenance to infrastructure. Maintenance such as resurfacing streets, repair and replacing major components in water and wastewater plants is vital to the preservation of capital assets. Major areas of concern are streets and basin maintenance. The City continues to fall behind replacing asphalt as the State continues to divert Highway User Revenue (HURF) Funds from Cities and Towns all around the state. At this time streets continue to deteriorate and the cost of repairs will exponentially increase as a result of peripheral damage.

The City has reached a point where the limited available funds have been allocated to higher traveled roads. Allocating resources in this manner balances the City's public safety needs and produces a higher return on taxpayer's investment. The City utilizes 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).

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	2018	2019	2020	2021	2022	Total
General Government	8,625,000					8,625,000
Parks and Recreation	5,350,000					5,350,000
Public Safety	100,000	1,000,000	260,000	5,460,000	2,600,000	9,420,000
Stormwater Control	1,445,000	140,000	140,000	140,000	140,000	2,005,000
Transportation	10,515,000	5,175,000	3,860,000	3,710,000	4,840,000	28,100,000
Wastewater Utility	5,095,000	3,580,000	4,020,000	3,850,000	2,350,000	18,895,000
Water Utility	5,725,000	4,440,000	5,015,000	2,245,000	5,815,000	23,240,000
YCNHA	1,695,000	1,165,000	15,000,000			17,860,000
TOTAL	38,550,000	15,500,000	28,295,000	15,405,000	15,745,000	113,495,000

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Capital Improvement Program

City of Yuma, Arizona

Department	2018	2019	2020	2021	2022	Total
General Government						
Citywide Development Fee Update	25,000					25,000
Development Fee	25,000					25,000
Fleet Services Maintenance Shop	8,600,000					8,600,000
Bond - 2015 Issue	8,500,000					8,500,000
Wastewater Utility Fund	100,000					100,000
General Government Total	8,625,000					8,625,000
Parks and Recreation						
Joe Henry Optimist Center Improvements	100,000					100,000
Grant	50,000					50,000
Two Percent Tax	50,000					50,000
Pacific Avenue Athletic Complex	5,200,000					5,200,000
Bond - 2015 Issue	4,700,000					4,700,000
City Road Tax	500,000					500,000
Stewart Vincent Wolf Creative Playground	50,000					50,000
Two Percent Tax	50,000					50,000
Parks and Recreation Total	5,350,000					5,350,000
Public Safety						
Fire Station 4 Remodel	100,000	1,000,000				1,100,000
Public Safety Tax Fund	100,000	1,000,000				1,100,000
Police Storage Facility			260,000	5,000,000		5,260,000
Development Fee - Police			120,000	2,300,000		2,420,000
Public Safety Tax Fund			140,000	2,700,000		2,840,000
Fire Station 7(D) - Avenue 8½E & 34th Street				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
Public Safety Total	100,000	1,000,000	260,000	5,460,000	2,600,000	9,420,000
Stormwater Control						
46th Avenue Storm Drain	50,000					50,000
City Road Tax	50,000					50,000
Smucker Regional Basin	1,100,000					1,100,000
City Road Tax	1,100,000					1,100,000
Stormwater Lift Station Upgrades	70,000	140,000	140,000	140,000	140,000	630,000
City Road Tax	70,000	140,000	140,000	140,000	140,000	630,000
Virginia Drive Retention Basin	225,000					225,000
City Road Tax	225,000					225,000

Department	2018	2019	2020	2021	2022	Total
Stormwater Control Total	1,445,000	140,000	140,000	140,000	140,000	2,005,000
Transportation						
16th Street - Avenue B to C Paving	150,000	1,560,000				1,710,000
City Road Tax	150,000	1,500,000				1,650,000
Wastewater Utility Fund		35,000				35,000
Water Utility Fund		25,000				25,000
1st Avenue - 12th to 16th Street Paving	1,450,000					1,450,000
Bond - Water	550,000					550,000
City Road Tax	440,000					440,000
Wastewater Utility Fund	460,000					460,000
1st Avenue - Orange Avenue to 9th Street Paving	950,000					950,000
City Road Tax	460,000					460,000
Wastewater Utility Fund	50,000					50,000
Water Utility Fund	440,000					440,000
22nd Street - 4th Avenue to Avenue A Paving	630,000					630,000
Bond - Water	290,000					290,000
City Road Tax	310,000					310,000
Wastewater Utility Fund	30,000					30,000
3rd and Orange Avenue-8th to 14th Street, 3rd to 4	985,000					985,000
City Road Tax	660,000					660,000
Water Utility Fund	325,000					325,000
40th Street - Arizona Avenue to Avenue A Paving	70,000		700,000			770,000
City Road Tax	70,000		700,000			770,000
40th Street Multiuse Path	120,000					120,000
City Road Tax	120,000					120,000
4th Avenue - 32nd to 40th Street Paving	150,000	1,500,000				1,650,000
City Road Tax	110,000	1,100,000				1,210,000
Water Utility Fund	40,000	400,000				440,000
4th Avenue and Big Curve Turn Lane	240,000					240,000
City Road Tax	190,000					190,000
Development Fee - Transportation	50,000					50,000
8th Street - Avenue C to D Reconstruction	500,000	1,000,000				1,500,000
City Road Tax	500,000	1,000,000				1,500,000
Arizona Avenue - 33rd to 40th Street Paving	70,000		700,000			770,000
City Road Tax	70,000		700,000			770,000
Avenue A - 32nd to 36th Street Paving	60,000	600,000				660,000
City Road Tax	60,000	600,000				660,000
Citywide Safety Improvements	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
Gila Street - 1st Street to Giss Parkway Paving	900,000					900,000
Bond - Water	120,000					120,000
Highway Users Revenue Fund	550,000					550,000
Wastewater Utility Fund	230,000					230,000
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 LED System Retrofit	3,200,000					3,200,000
City Road Tax	3,200,000					3,200,000
Streetlight Structural Assessment and Replacement	250,000					250,000
City Road Tax	250,000					250,000
Traffic Signals Upgrade	260,000					260,000

Department	2018	2019	2020	2021	2022	Total
City Road Tax	260,000					260,000
Xeriscape Conversion	140,000					140,000
City Road Tax	140,000					140,000
Airport Loop Road Improvements		10,000	230,000			240,000
City Road Tax		10,000	230,000			240,000
Avenue 10E - 28th Street to N Frontage Road Paving		40,000	400,000			440,000
City Road Tax		40,000	400,000			440,000
North Frontage Road - Avenue 9E to 10E Paving		75,000	700,000			775,000
City Road Tax		75,000	700,000			775,000
32nd Street - Avenue B to C Paving			120,000	1,200,000		1,320,000
City Road Tax			120,000	1,200,000		1,320,000
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
45th Avenue - 16th to 20th Street Paving			40,000	400,000		440,000
City Road Tax			40,000	400,000		440,000
Avenue 10E Improvements			330,000			330,000
City Road Tax			220,000			220,000
Development Fee - Transportation			40,000			40,000
Water Utility Fund			70,000			70,000
Pacific Avenue - Levee Rd to 8th St Share Use Path			50,000	250,000		300,000
City Road Tax			50,000	250,000		300,000
12th Street - 21st Drive to Avenue B Paving				15,000	160,000	175,000
City Road Tax				15,000	160,000	175,000
14th Avenue-12th to 16th Street Paving				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
14th Street - 1st to 4th Avenue Paving				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
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 - Avenue C to 45th Avenue				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
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 Pacific Avenue Intersection				130,000	1,300,000	1,430,000
City Road Tax				105,000	1,050,000	1,155,000
Development Fee - Transportation				25,000	250,000	275,000
8th Street & Pacific Avenue Corridor Improvements				60,000		60,000
City Road Tax				60,000		60,000
Triple S Industrial Park Paving				50,000	450,000	500,000

Department	2018	2019	2020	2021	2022	Total
City Road Tax				50,000	450,000	500,000
Transportation Total	10,515,000	5,175,000	3,860,000	3,710,000	4,840,000	28,100,000

Wastewater Utility

24th Street Lift Station Replacement	725,000					725,000
Wastewater Utility Fund	725,000					725,000
32nd Street Manhole Rehabilitation	300,000					300,000
Wastewater Utility Fund	300,000					300,000
Desert Dunes WRF Improvement Project	470,000					470,000
Wastewater Utility Fund	470,000					470,000
Figueroa AWPCF Annual System Overhaul	500,000	500,000	500,000	750,000	750,000	3,000,000
Wastewater Utility Fund	500,000	500,000	500,000	750,000	750,000	3,000,000
Figueroa AWPCF AZPDES Renewal	200,000					200,000
Wastewater Utility Fund	200,000					200,000
Figueroa AWPCF Electrical Upgrades	2,200,000	2,200,000				4,400,000
Wastewater Utility Fund	2,200,000	2,200,000				4,400,000
Manhole Rehabilitation/Reconstruction	300,000	300,000	300,000	300,000	300,000	1,500,000
Wastewater Utility Fund	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
Wastewater Utility Fund	100,000	100,000	100,000	100,000	100,000	500,000
Wastewater Collection System Lift Station Upgrade	300,000	300,000	300,000	300,000	300,000	1,500,000
Wastewater Utility Fund	300,000	300,000	300,000	300,000	300,000	1,500,000
Desert Dunes WRF Reclaimed Water System		180,000	1,020,000			1,200,000
Other - Proposed			1,020,000			1,020,000
Wastewater Utility Fund		180,000				180,000
Desert Dunes WRF UV Disinfection System Upgrades			150,000	1,050,000		1,200,000
Other - Proposed				1,050,000		1,050,000
Wastewater Utility Fund			150,000			150,000
Ferrous Chloride Injection System Upgrade			1,500,000			1,500,000
Wastewater Utility Fund			1,500,000			1,500,000
Figueroa AWPCF Corrosion Control			150,000	1,150,000		1,300,000
Other - Proposed				1,150,000		1,150,000
Wastewater Utility Fund			150,000			150,000
Septic Waste Receiving Station				100,000		100,000
Wastewater Utility Fund				100,000		100,000
Wastewater Vac Truck Dump Station Upgrades				100,000	900,000	1,000,000
Wastewater Utility Fund				100,000	900,000	1,000,000
Wastewater Utility Total	5,095,000	3,580,000	4,020,000	3,850,000	2,350,000	18,895,000

Water Utility

16th Street Water Tanks Exterior Recoat	380,000					380,000
Bond - Water	380,000					380,000
Agua Viva WTP Well No. 1 Replacement	1,200,000					1,200,000
Water Utility Fund	1,200,000					1,200,000
Main Street WTP Filter System Upgrade	2,000,000	140,000	2,260,000	140,000	2,260,000	6,800,000
Water Utility Fund	2,000,000	140,000	2,260,000	140,000	2,260,000	6,800,000
Main Street WTP Sediment Basins Improvements	400,000					400,000
Water Utility Fund	400,000					400,000

Department	2018	2019	2020	2021	2022	Total
New Water Services	45,000	50,000	55,000	55,000	55,000	260,000
Water Utility Fund	45,000	50,000	55,000	55,000	55,000	260,000
Systems Division Relocation	450,000	3,000,000				3,450,000
Wastewater Utility Fund	225,000	1,500,000				1,725,000
Water Utility Fund	225,000	1,500,000				1,725,000
Water Main Replacement Annual Project	1,000,000	1,000,000	1,500,000	1,500,000	1,500,000	6,500,000
Water Utility Fund	1,000,000	1,000,000	1,500,000	1,500,000	1,500,000	6,500,000
Waterline Replacement/Improvements	250,000	250,000	250,000	250,000	250,000	1,250,000
Bond - Water	250,000					250,000
Water Utility Fund		250,000	250,000	250,000	250,000	1,000,000
Agua Viva WTP Membrane Replacement			300,000	300,000	300,000	900,000
Water Utility Fund			300,000	300,000	300,000	900,000
Avenue 4E and 36th Street Water Main Intersection			250,000			250,000
Water Utility Fund			250,000			250,000
Avenue C - 16th to 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	1,200,000
Water Utility Fund					1,200,000	1,200,000
Water Utility Total	5,725,000	4,440,000	5,015,000	2,245,000	5,815,000	23,240,000
YCNHA						
Downtown Revitalization	400,000					400,000
Grant	400,000					400,000
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	1,695,000	1,165,000	15,000,000			17,860,000
GRAND TOTAL	38,550,000	15,500,000	28,295,000	15,405,000	15,745,000	113,495,000

PROJECTS BY FUNDING SOURCE

Capital Improvement Program

City of Yuma, Arizona

Source	2018	2019	2020	2021	2022	Total
Bond - 2015 Issue						
Fleet Services Maintenance Shop	8,500,000					8,500,000
Pacific Avenue Athletic Complex	4,700,000					4,700,000
Bond - 2015 Issue Total	13,200,000					13,200,000
Bond - Water						
16th Street Water Tanks Exterior Recoat	380,000					380,000
1st Avenue - 12th to 16th Street Paving	550,000					550,000
22nd Street - 4th Avenue to Avenue A Paving	290,000					290,000
Gila Street - 1st Street to Giss Parkway Paving	120,000					120,000
Waterline Replacement/Improvements	250,000					250,000
Bond - Water Total	1,590,000					1,590,000
City Road Tax						
16th Street - Avenue B to C Paving	150,000	1,500,000				1,650,000
1st Avenue - 12th to 16th Street Paving	440,000					440,000
1st Avenue - Orange Avenue to 9th Street Paving	460,000					460,000
22nd Street - 4th Avenue to Avenue A Paving	310,000					310,000
3rd and Orange Avenue-8th to 14th Street, 3rd to 4	660,000					660,000
40th Street - Arizona Avenue to Avenue A Paving	70,000		700,000			770,000
40th Street Multiuse Path	120,000					120,000
46th Avenue Storm Drain	50,000					50,000
4th Avenue - 32nd to 40th Street Paving	110,000	1,100,000				1,210,000
4th Avenue and Big Curve Turn Lane	190,000					190,000
8th Street - Avenue C to D Reconstruction	500,000	1,000,000				1,500,000
Arizona Avenue - 33rd to 40th Street Paving	70,000		700,000			770,000
Avenue A - 32nd to 36th Street Paving	60,000	600,000				660,000
Citywide Safety Improvements	140,000	140,000	140,000	140,000	140,000	700,000
Pacific Avenue Athletic Complex	500,000					500,000
Pavement Preservation	250,000	250,000	250,000	250,000	250,000	1,250,000
Smucker Regional Basin	1,100,000					1,100,000
Stormwater Lift Station Upgrades	70,000	140,000	140,000	140,000	140,000	630,000
Streetlight LED System Retrofit	3,200,000					3,200,000
Streetlight Structural Assessment and Replacement	250,000					250,000
Traffic Signals Upgrade	260,000					260,000
Virginia Drive Retention Basin	225,000					225,000
Xeriscape Conversion	140,000					140,000
Airport Loop Road Improvements		10,000	230,000			240,000
Avenue 10E - 28th Street to N Frontage Road Paving		40,000	400,000			440,000
North Frontage Road - Avenue 9E to 10E Paving		75,000	700,000			775,000
32nd Street - Avenue B to C Paving			120,000	1,200,000		1,320,000
32nd Street and Avenue 8E Turn Lane			160,000			160,000
45th Avenue - 16th to 20th Street Paving			40,000	400,000		440,000
Avenue 10E Improvements			220,000			220,000
Pacific Avenue - Levee Rd to 8th St Share Use Path			50,000	250,000		300,000

Source	2018	2019	2020	2021	2022	Total
12th Street - 21st Drive to Avenue B Paving				15,000	160,000	175,000
14th Avenue-12th to 16th Street Paving				45,000	450,000	495,000
14th Street - 1st to 4th Avenue Paving				215,000		215,000
18th Street and Avenue C Traffic Signal				195,000		195,000
28th Street - Avenue C to 45th Avenue				50,000	480,000	530,000
32nd Street and Avenue 5E Turn Lanes				30,000	300,000	330,000
32nd Street and Avenue 7E Turn Lane				145,000		145,000
32nd Street and Pacific Avenue Intersection				105,000	1,050,000	1,155,000
8th Street & Pacific Avenue Corridor Improvements				60,000		60,000
Triple S Industrial Park Paving				50,000	450,000	500,000
City Road Tax Total	9,325,000	4,855,000	3,850,000	3,290,000	3,420,000	24,740,000

Development Fee

Citywide Development Fee Update	25,000					25,000
Development Fee Total	25,000					25,000

Development Fee - Fire

Fire Station 7(D) - Avenue 8½E & 34th Street				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

4th Avenue and Big Curve Turn Lane	50,000					50,000
32nd Street and Avenue 8E Turn Lane			40,000			40,000
Avenue 10E Improvements			40,000			40,000
18th Street and Avenue C Traffic Signal				55,000		55,000
28th Street - Avenue C to 45th Avenue				70,000	600,000	670,000
32nd Street and Avenue 5E Turn Lanes				10,000	60,000	70,000
32nd Street and Avenue 7E Turn Lane				35,000		35,000
32nd Street and Pacific Avenue Intersection				25,000	250,000	275,000
Development Fee - Transportation Total	50,000		80,000	195,000	910,000	1,235,000

Grant

Downtown Revitalization	400,000					400,000
Joe Henry Optimist Center Improvements	50,000					50,000
West Wetlands Lower Bench Completion	85,000					85,000
Yuma Multimodal Center	965,000	930,000				1,895,000
Grant Total	1,500,000	930,000				2,430,000

Highway Users Revenue Fund

Gila Street - 1st Street to Giss Parkway Paving	550,000					550,000
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Source	2018	2019	2020	2021	2022	Total
Highway Users Revenue Fund Total	550,000					550,000
Other - Proposed						
Yuma Multimodal Center	245,000		15,000,000			15,245,000
Desert Dunes WRF Reclaimed Water System			1,020,000			1,020,000
18th Street and Avenue C Traffic Signal				125,000		125,000
Desert Dunes WRF UV Disinfection System Upgrades				1,050,000		1,050,000
Figueroa AWPCF Corrosion Control				1,150,000		1,150,000
Other - Proposed Total	245,000		16,020,000	2,325,000		18,590,000
Public Safety Tax Fund						
Fire Station 4 Remodel	100,000	1,000,000				1,100,000
Police Storage Facility			140,000	2,700,000		2,840,000
Fire Station 7(D) - Avenue 8½E & 34th Street				110,000	1,140,000	1,250,000
Public Safety Tax Fund Total	100,000	1,000,000	140,000	2,810,000	1,140,000	5,190,000
Two Percent Tax						
Joe Henry Optimist Center Improvements	50,000					50,000
Stewart Vincent Wolf Creative Playground	50,000					50,000
Yuma Multimodal Center		235,000				235,000
Two Percent Tax Total	100,000	235,000				335,000
Wastewater Utility Fund						
1st Avenue - 12th to 16th Street Paving	460,000					460,000
1st Avenue - Orange Avenue to 9th Street Paving	50,000					50,000
22nd Street - 4th Avenue to Avenue A Paving	30,000					30,000
24th Street Lift Station Replacement	725,000					725,000
32nd Street Manhole Rehabilitation	300,000					300,000
Desert Dunes WRF Improvement Project	470,000					470,000
Figueroa AWPCF Annual System Overhaul	500,000	500,000	500,000	750,000	750,000	3,000,000
Figueroa AWPCF AZPDES Renewal	200,000					200,000
Figueroa AWPCF Electrical Upgrades	2,200,000	2,200,000				4,400,000
Fleet Services Maintenance Shop	100,000					100,000
Gila Street - 1st Street to Giss Parkway Paving	230,000					230,000
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
Systems Division Relocation	225,000	1,500,000				1,725,000
Wastewater Collection System Lift Station Upgrade	300,000	300,000	300,000	300,000	300,000	1,500,000
16th Street - Avenue B to C Paving		35,000				35,000
Desert Dunes WRF Reclaimed Water System		180,000				180,000
Desert Dunes WRF UV Disinfection System Upgrades			150,000			150,000
Ferrous Chloride Injection System Upgrade			1,500,000			1,500,000
Figueroa AWPCF Corrosion Control			150,000			150,000
14th Street - 1st to 4th Avenue Paving				15,000		15,000
Septic Waste Receiving Station				100,000		100,000
Wastewater Vac Truck Dump Station Upgrades				100,000	900,000	1,000,000
14th Avenue-12th to 16th Street Paving					100,000	100,000
Wastewater Utility Fund Total	6,190,000	5,115,000	3,000,000	1,665,000	2,450,000	18,420,000

Source	2018	2019	2020	2021	2022	Total
Water Utility Fund						
1st Avenue - Orange Avenue to 9th Street Paving	440,000					440,000
3rd and Orange Avenue-8th to 14th Street, 3rd to 4	325,000					325,000
4th Avenue - 32nd to 40th Street Paving	40,000	400,000				440,000
Agua Viva WTP Well No. 1 Replacement	1,200,000					1,200,000
Main Street WTP Filter System Upgrade	2,000,000	140,000	2,260,000	140,000	2,260,000	6,800,000
Main Street WTP Sediment Basins Improvements	400,000					400,000
New Water Services	45,000	50,000	55,000	55,000	55,000	260,000
Systems Division Relocation	225,000	1,500,000				1,725,000
Water Main Replacement Annual Project	1,000,000	1,000,000	1,500,000	1,500,000	1,500,000	6,500,000
16th Street - Avenue B to C Paving		25,000				25,000
Waterline Replacement/Improvements		250,000	250,000	250,000	250,000	1,000,000
Agua Viva WTP Membrane Replacement			300,000	300,000	300,000	900,000
Avenue 10E Improvements			70,000			70,000
Avenue 4E and 36th Street Water Main Intersection			250,000			250,000
Avenue C - 16th to 18th St Waterline Replacement			400,000			400,000
14th Avenue-12th to 16th Street Paving				55,000	550,000	605,000
14th Street - 1st to 4th Avenue Paving				170,000		170,000
Loma Vista Subdivision Service Line Replacement					250,000	250,000
Strategic Groundwater Wells and Filtration System					1,200,000	1,200,000
Water Utility Fund Total	5,675,000	3,365,000	5,085,000	2,470,000	6,365,000	22,960,000
GRAND TOTAL	38,550,000	15,500,000	28,295,000	15,405,000	15,745,000	113,495,000

PROJECT INDEX

Capital Improvement Program

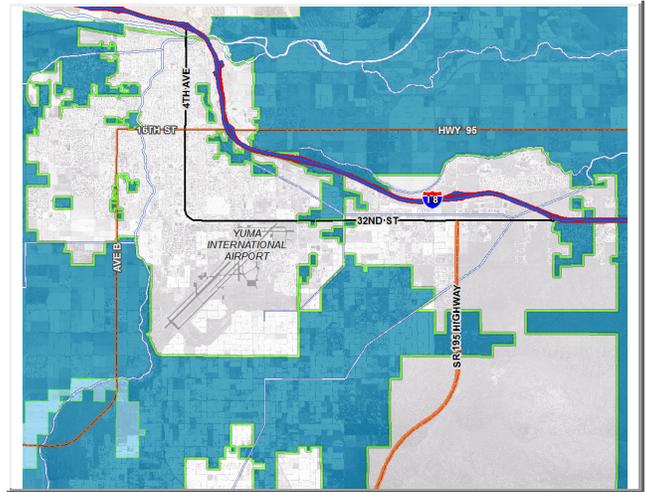
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Citywide Development Fee Update

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



Justification

Municipalities in Arizona assess development fees to offset infrastructure costs associated with providing necessary public services. Municipalities shall 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

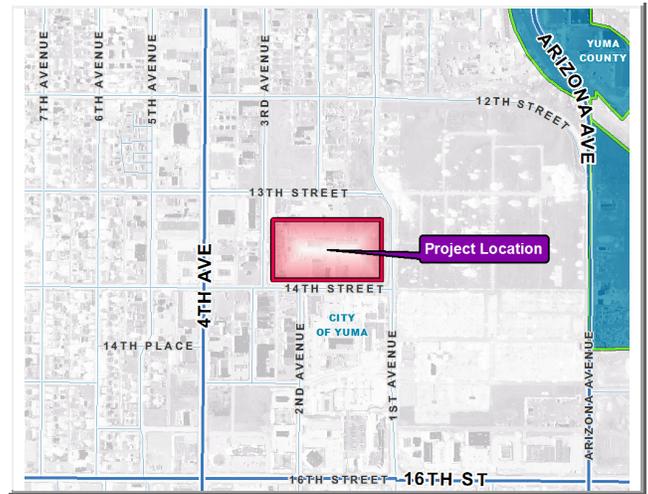
Update the City’s Land Use Assumptions document to reflect projections of change in land uses, intensities in population for a specified services area over a period of at least ten years and pursuant to the General Plan. Update the Infrastructure Improvements Plan and Development Fees for the North Service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

Expenditures	2018	2019	2020	2021	2022	Total
Planning	25,000					25,000
Total	25,000					25,000

Funding Sources	2018	2019	2020	2021	2022	Total
Development Fee	25,000					25,000
Total	25,000					25,000

Fleet Services Maintenance Shop

Total Cost \$8,600,000
Type Building
Progress Under Design
Category Facility
Location 190 W 14th Street



Justification

The City of Yuma requires an adequate facility to ensure the maintenance of its fleet and to guarantee operational readiness. This project has previously been classified as a transportation project. As this project will service vehicles and equipment Citywide its classification is more accurately reflected in the general government section of the Capital Improvement Program.

Description

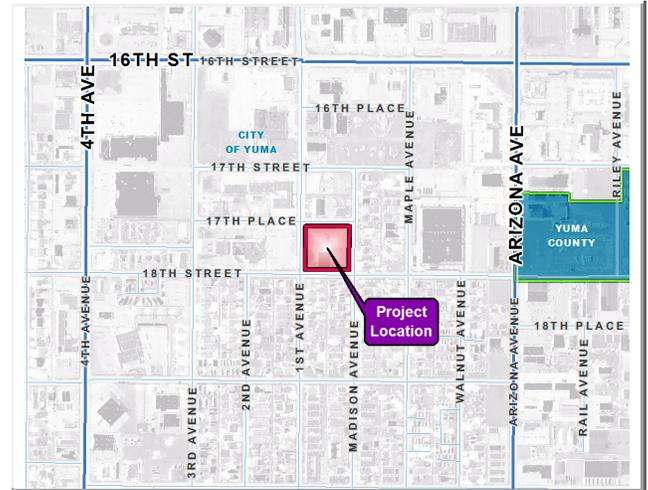
Construction of a new Fleet Maintenance Complex for the relocation of maintenance and operating function with storage for street, solid waste, fire, parks, police and utility vehicles and equipment.

Expenditures	2018	2019	2020	2021	2022	Total
Design	100,000					100,000
Construction	8,500,000					8,500,000
Total	8,600,000					8,600,000

Funding Sources	2018	2019	2020	2021	2022	Total
Bond - 2015 Issue	8,500,000					8,500,000
Wastewater Utility Fund	100,000					100,000
Total	8,600,000					8,600,000

Joe Henry Optimist Center Improvements

Total Cost \$100,000
Type Improvement
Progress Under Design
Category Facility
Location 1793 S 1st Ave



Justification

City of Yuma Parks and Recreation Department has secured Community Development Block Grant (CDBG) Funds to conduct improvements at the Joe Henry Optimist Center. Joe Henry Optimist Center is currently cooled utilizing evaporative coolers limiting use of this facility in summer months. The grant was secured to replace the evaporative coolers with a new energy efficient heating, ventilation and air conditioning (HVAC) unit. The City will provide for other complementary improvements such as higher capacity power feeds and insulation.

Description

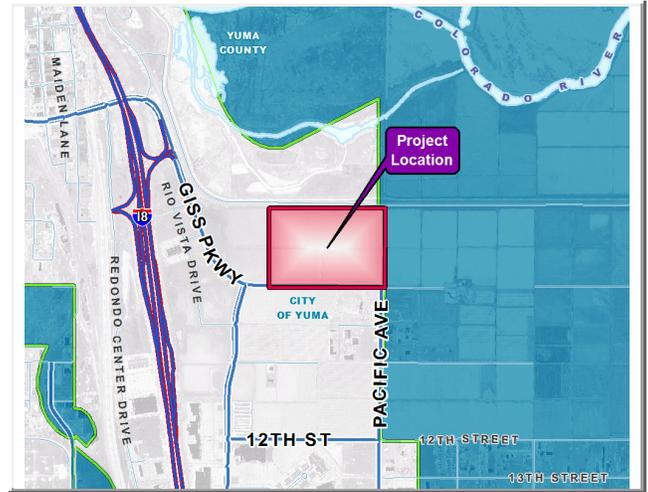
Remove the existing evaporative coolers and replace it with a new energy efficient HVAC unit and conduct other structural enhancements and insulation requirements.

Expenditures	2018	2019	2020	2021	2022	Total
Construction	100,000					100,000
Total	100,000					100,000

Funding Sources	2018	2019	2020	2021	2022	Total
Grant	50,000					50,000
Two Percent Tax	50,000					50,000
Total	100,000					100,000

Pacific Avenue Athletic Complex

Total Cost	\$5,200,000
Type	Construction
Progress	Under Design
Category	Facility
Location	Pacific Avenue and 8th Street



Justification

The Pacific Avenue Athletic Complex will enhance Yuma's historic downtown area, retail and hospitality by bringing new visitors and additional spending to the community. The City's competitive leagues are growing and as a result local demand and tournament play will utilize the complex year round.

Description

The complex will include lit ball fields, concessions, restrooms, play areas, open green space, ramada's, a lake and parking.

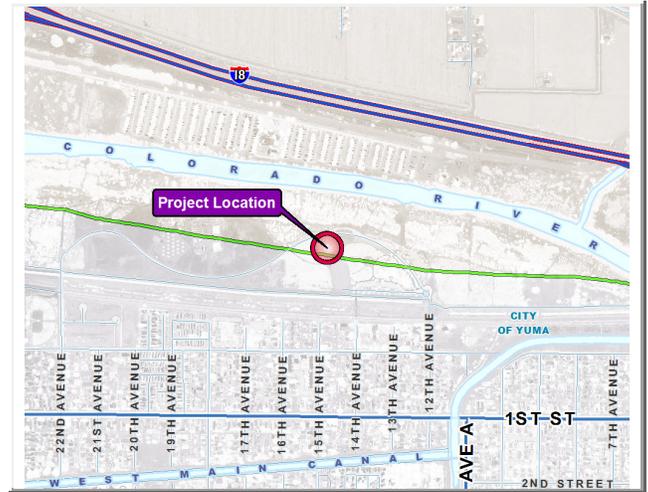
Expenditures	2018	2019	2020	2021	2022	Total
Design	70,000					70,000
Construction	5,130,000					5,130,000
Total	5,200,000					5,200,000

Funding Sources	2018	2019	2020	2021	2022	Total
Bond - 2015 Issue	4,700,000					4,700,000
City Road Tax	500,000					500,000
Total	5,200,000					5,200,000

Operational Effect	2018	2019	2020	2021	2022	Total
Capital Outlay	250,000					250,000
Other (Insurance, Utilities)	116,250	139,500	155,000	162,750		573,500
Staff Cost	267,371	341,339	437,373	448,307		1,494,390
Supplies/Materials	75,000	100,000	130,000	136,500		441,500
Total	708,621	580,839	722,373	747,557		2,759,390

Stewart Vincent Wolf Creative Playground

Total Cost \$50,000
Type Improvement
Progress Planning
Category Park Improvements
Location W Water St, Yuma, AZ 85364



Justification

The Stewart Vincent Wolf Creative Playground (SVWCP) was burnt down on December 28, 2014 and by December 19, 2015 the playground was rebuilt and open to the public. The rebuild was financed through the City’s insurance carrier however community support has been such that significant donations have been made to enhance the original footprint of the park in order to make it bigger, better and safer. Enhancement will be decided through community outreach and feedback. Donated funds will be utilized to enhance the parks’ footprint while City funds will be utilized to offset any incidentals associated with the enhancement.

Description

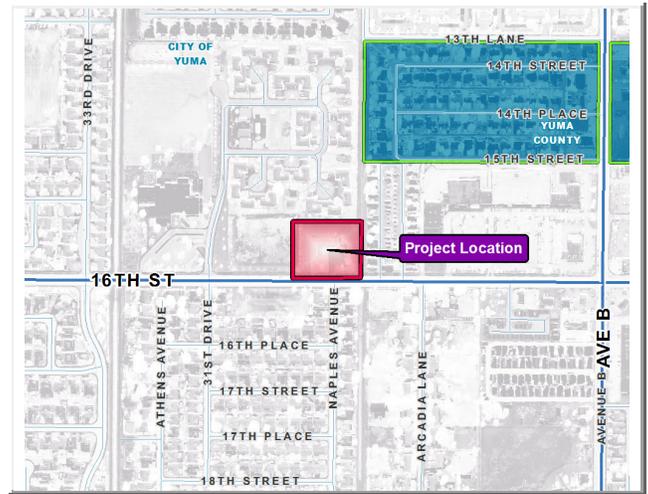
Enhance the original footprint of the SVWCP funds may be utilized for permitting, surveying or other incidentals related to the enhancement.

Expenditures	2018	2019	2020	2021	2022	Total
Design	50,000					50,000
Total	50,000					50,000

Funding Sources	2018	2019	2020	2021	2022	Total
Two Percent Tax	50,000					50,000
Total	50,000					50,000

Fire Station 4 Remodel

Total Cost	\$1,100,000
Type	Construction
Progress	Planning
Category	Buildings
Location	2850 W 16th Street



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

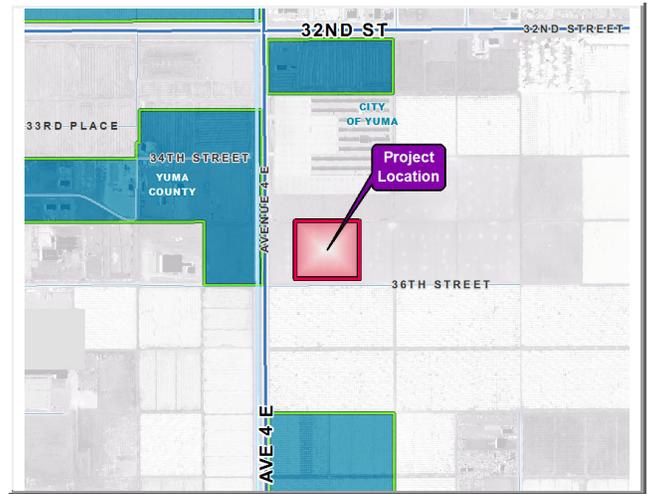
Conduct a building assessment, design, and execute the remodel of Fire Station #4.

Expenditures	2018	2019	2020	2021	2022	Total
Design	100,000					100,000
Construction		1,000,000				1,000,000
Total	100,000	1,000,000				1,100,000

Funding Sources	2018	2019	2020	2021	2022	Total
Public Safety Tax Fund	100,000	1,000,000				1,100,000
Total	100,000	1,000,000				1,100,000

Police Storage Facility

Total Cost \$5,260,000
Type Construction
Progress Planning
Category Buildings
Location Avenue 4E and 36th Street



Justification

The secure impound and evidence storage is at or near capacity with demand not expected to diminish. It is important to begin planning for 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	2018	2019	2020	2021	2022	Total
Design			260,000			260,000
Construction				5,000,000		5,000,000
Total			260,000	5,000,000		5,260,000

Funding Sources	2018	2019	2020	2021	2022	Total
Development Fee - Police			120,000	2,300,000		2,420,000
Public Safety Tax Fund			140,000	2,700,000		2,840,000
Total			260,000	5,000,000		5,260,000

Fire Station 7(D) - Avenue 8½E & 34th Street

Total Cost	\$2,860,000
Type	Construction
Progress	Planning
Category	Buildings
Location	34th Street & Avenue 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 Departments 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

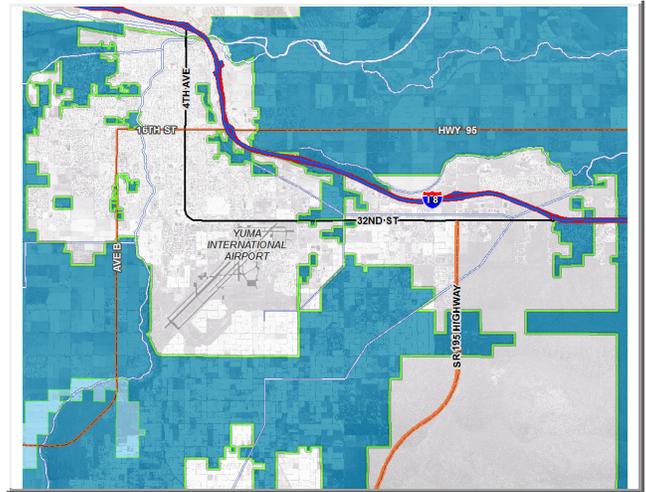
Design and construct a 2-bay Fire Station on the Northeast corner of 34th Street and Avenue 8½E.

Expenditures	2018	2019	2020	2021	2022	Total
Design				260,000		260,000
Construction					2,600,000	2,600,000
Total				260,000	2,600,000	2,860,000

Funding Sources	2018	2019	2020	2021	2022	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

Public Safety Vehicles and Equipment

Total Cost	\$200,000
Type	Equipment
Progress	Planning
Category	Vehicles
Location	Citywide



Justification

Municipalities in Arizona assess development fees to offset infrastructure costs associated with providing necessary public services. Development fees represents new growth’s proportionate share of capital needs. Development fees will be utilized to expand the City of Yuma’s inventory of Public Safety vehicles and equipment as identified within the City of Yuma’s Infrastructure Improvement Plan.

Description

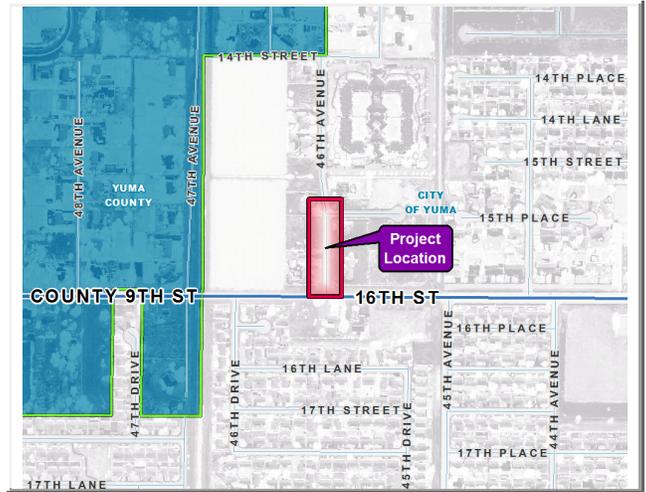
Purchase public safety vehicles and equipment.

Expenditures	2018	2019	2020	2021	2022	Total
Equipment				200,000		200,000
Total				200,000		200,000

Funding Sources	2018	2019	2020	2021	2022	Total
Development Fee - Fire				100,000		100,000
Development Fee - Police				100,000		100,000
Total				200,000		200,000

46th Avenue Storm Drain

Total Cost \$50,000
Type Improvement
Progress Design Complete
Category Storm Sewer/Drainage
Location 46th Avenue -15th to 16th Street



Justification

This segment of 46th Avenue was constructed with no crown and the west side of the street is approximately 8.4 inches higher than the east side. The result is storm runoff from the entire street is left standing, deteriorating the pavement, causing storm response call-outs for pumping. This project will capture runoff from the west side of the street and convey it to a retention basin.

Description

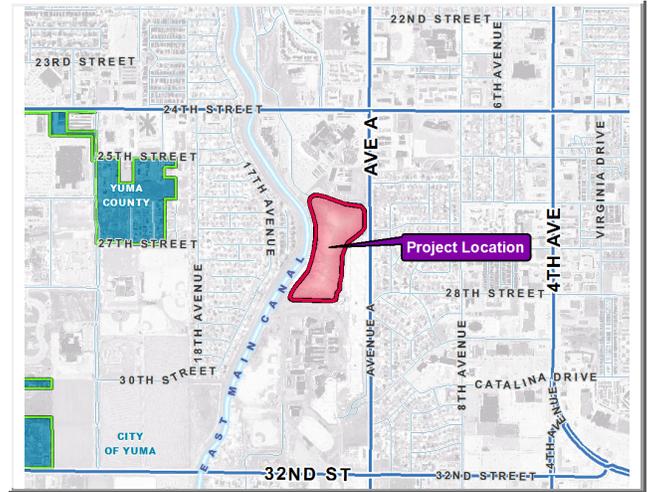
Add a catch basin and storm drain along the east side of 46th Avenue to collect runoff from the west half of 46th Avenue and convey it to an existing retention basin on the south side of 16th Street.

Expenditures	2018	2019	2020	2021	2022	Total
Construction	50,000					50,000
Total	50,000					50,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax	50,000					50,000
Total	50,000					50,000

Smucker Regional Basin

Total Cost	\$1,100,000
Type	Improvement
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. Construction activities and costs will be managed by YCFCD. The Basin construction will be primarily funded by the YCFCD with the City’s portion identified below.

Description

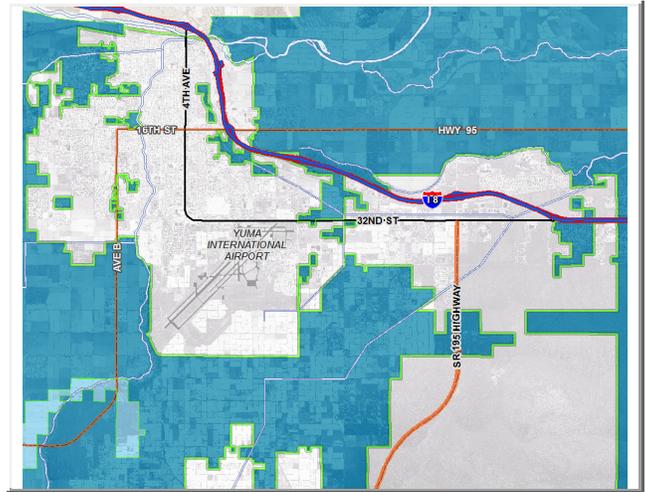
A 42 inch diameter pipe will be installed at the intersections of 28th Street and Westridge Drive at Avenue A. A storm water collection basin will be built east of the East Main Canal and on the northwest corner of Smucker Park.

Expenditures	2018	2019	2020	2021	2022	Total
Construction	1,100,000					1,100,000
Total	1,100,000					1,100,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax	1,100,000					1,100,000
Total	1,100,000					1,100,000

Stormwater Lift Station Upgrades

Total Cost \$630,000
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	2018	2019	2020	2021	2022	Total
Installation	70,000	140,000	140,000	140,000	140,000	630,000
Total	70,000	140,000	140,000	140,000	140,000	630,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax	70,000	140,000	140,000	140,000	140,000	630,000
Total	70,000	140,000	140,000	140,000	140,000	630,000

Virginia Drive Retention Basin

Total Cost	\$225,000
Type	Construction
Progress	Planning
Category	Storm Sewer/Drainage
Location	Virginia Drive and 28th Street



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 angel (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

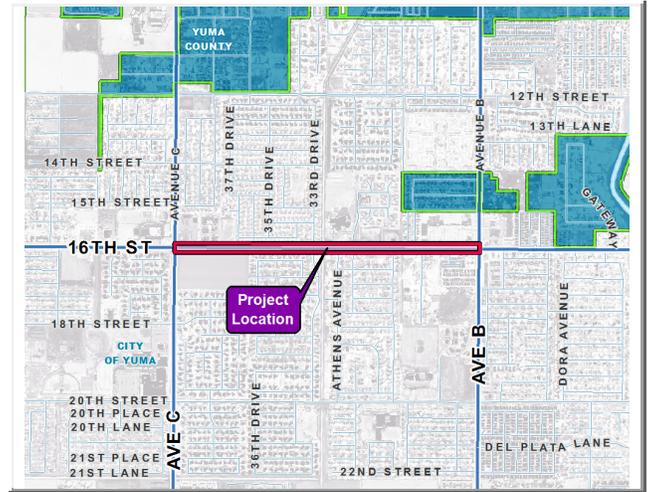
Purchase the right of way required and construct a retention basin.

Expenditures	2018	2019	2020	2021	2022	Total
Design	25,000					25,000
Construction	200,000					200,000
Total	225,000					225,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax	225,000					225,000
Total	225,000					225,000

16th Street - Avenue B to C Paving

Total Cost \$1,710,000
Type Construction
Progress Planning
Category Street Paving
Location 16th Street - Avenue B to C



Justification

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

Description

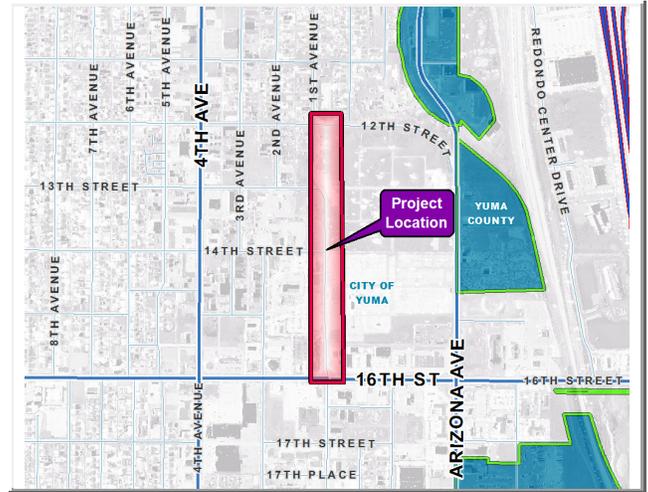
Remove and replace pavement, water and wastewater infrastructure and conduct other minor improvements on 16th Street from Avenue B to C.

Expenditures	2018	2019	2020	2021	2022	Total
Design	150,000					150,000
Construction		1,560,000				1,560,000
Total	150,000	1,560,000				1,710,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax	150,000	1,500,000				1,650,000
Wastewater Utility Fund		35,000				35,000
Water Utility Fund		25,000				25,000
Total	150,000	1,560,000				1,710,000

1st Avenue - 12th to 16th Street Paving

Total Cost	\$1,450,000
Type	Construction
Progress	Under Design
Category	Street Reconstruction
Location	1st Avenue - 12th to 16th Street



Justification

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

Description

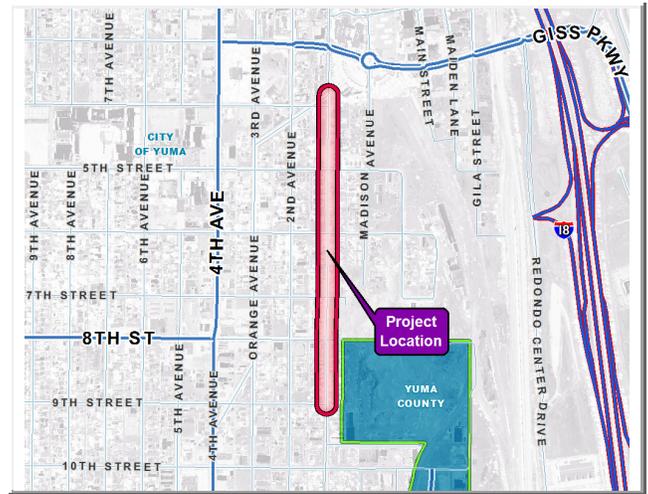
Replace pavement and conduct other minor improvements on 1st Avenue from 12th to 16th Street. Replace 2,700 lineal feet of asbestos cement waterline pipe and 8 inch vitrified clay sewer pipe line with 12 inch polyvinyl chloride pipe. The sewer improvements take place on 1st Avenue from 11th to 16th Street.

Expenditures	2018	2019	2020	2021	2022	Total
Design	50,000					50,000
Construction	1,400,000					1,400,000
Total	1,450,000					1,450,000

Funding Sources	2018	2019	2020	2021	2022	Total
Bond - Water	550,000					550,000
City Road Tax	440,000					440,000
Wastewater Utility Fund	460,000					460,000
Total	1,450,000					1,450,000

1st Avenue - Orange Avenue to 9th Street Paving

Total Cost \$950,000
Type Construction
Progress Under Design
Category Street Reconstruction
Location 1st Avenue - Orange Avenue to 9th Street



Justification

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

Description

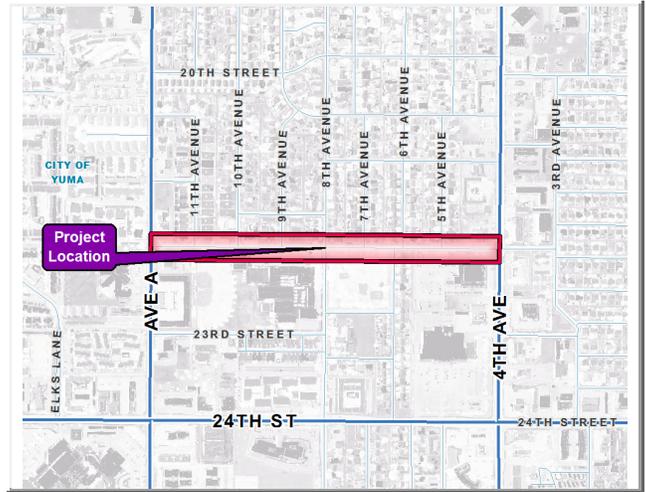
Remove and replace pavement, water and wastewater infrastructure and conduct other minor improvements on 1st Avenue from Orange Avenue to 9th Street.

Expenditures	2018	2019	2020	2021	2022	Total
Design	50,000					50,000
Construction	900,000					900,000
Total	950,000					950,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax	460,000					460,000
Wastewater Utility Fund	50,000					50,000
Water Utility Fund	440,000					440,000
Total	950,000					950,000

22nd Street - 4th Avenue to Avenue A Paving

Total Cost	\$630,000
Type	Construction
Progress	Under Construction
Category	Street Paving
Location	22nd Street - 4th Avenue to Avenue A



Justification

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

Description

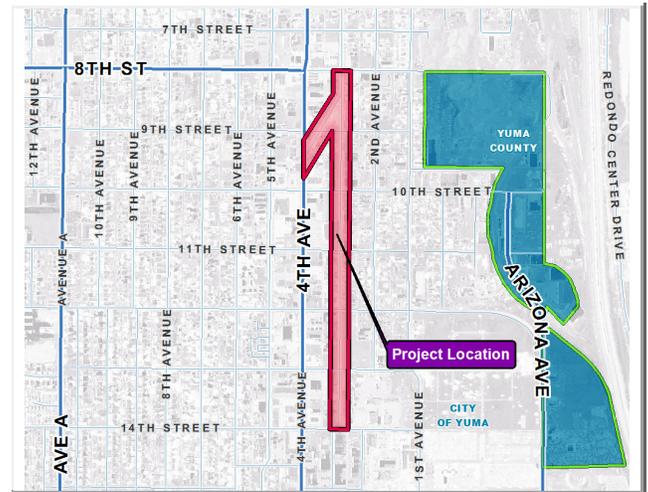
Remove and replace existing pavement and replace approximately 3,000 lineal feet of 6 inch and 4 inch asbestos cement pipe along 22nd Street from 4th Avenue to Avenue A.

Expenditures	2018	2019	2020	2021	2022	Total
Design	5,000					5,000
Construction	625,000					625,000
Total	630,000					630,000

Funding Sources	2018	2019	2020	2021	2022	Total
Bond - Water	290,000					290,000
City Road Tax	310,000					310,000
Wastewater Utility Fund	30,000					30,000
Total	630,000					630,000

3rd and Orange Avenue - 8th to 14th Street, 3rd to 4th Avenue Paving

Total Cost \$985,000
Type Improvement
Progress Under Design
Category Street Reconstruction
Location 3rd Avenue from Orange Avenue to 14th Street and Orange Avenue from 3rd Avenue to 4th Avenue



Justification

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

Description

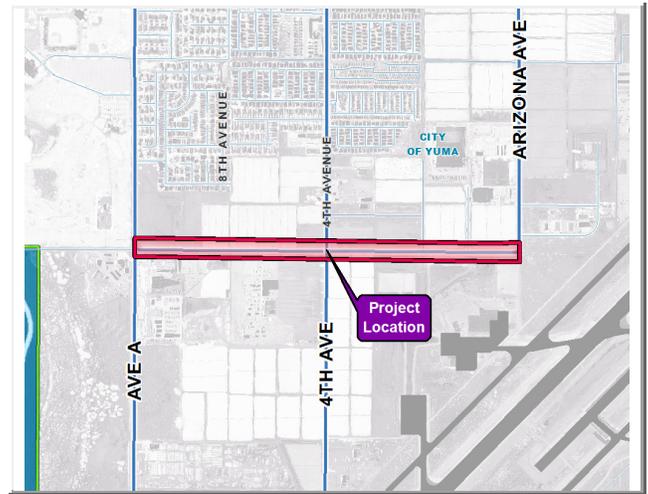
Remove and replace pavement, water infrastructure and conduct other minor improvements on 3rd Avenue from Orange Avenue to 14th Street and Orange Avenue from 3rd Avenue to 4th Avenue.

Expenditures	2018	2019	2020	2021	2022	Total
Construction	985,000					985,000
Total	985,000					985,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax	660,000					660,000
Water Utility Fund	325,000					325,000
Total	985,000					985,000

40th Street - Arizona Avenue to Avenue A Paving

Total Cost	\$770,000
Type	Construction
Progress	Planning
Category	Street Paving
Location	40th Street - Arizona Avenue to Avenue A



Justification

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

Description

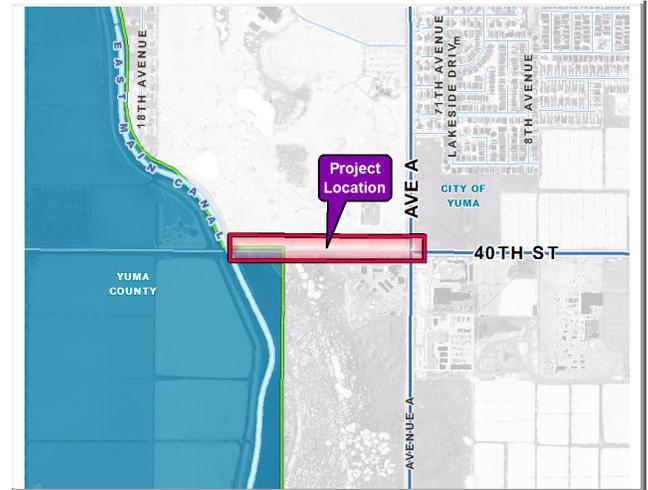
Remove and replace pavement and conduct other minor improvements on 40th Street, Arizona Avenue to Avenue A.

Expenditures	2018	2019	2020	2021	2022	Total
Design	70,000					70,000
Construction			700,000			700,000
Total	70,000		700,000			770,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax	70,000		700,000			770,000
Total	70,000		700,000			770,000

40th Street Multiuse Path

Total Cost	\$120,000
Type	Construction
Progress	Planning
Category	Pathway
Location	40th Street - Avenue A and the East Main Canal



Justification

The City of Yuma is working to improve pedestrian and bicycle connectivity. This segment is identified in the City of Yuma Transportation Master Plan as a priority. This connection is one of many projects members of the community have indicated is key to improving connectivity.

Description

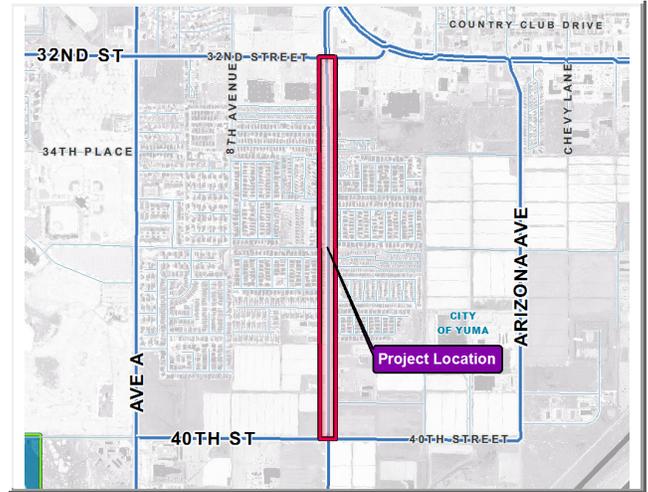
Install a 10 foot wide share use path and a 12 foot vertical chain link fence between the path and Desert Hills Golf Course on the north side of 40th Street between Avenue A and the East Main Canal.

Expenditures	2018	2019	2020	2021	2022	Total
Construction	120,000					120,000
Total	120,000					120,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax	120,000					120,000
Total	120,000					120,000

4th Avenue - 32nd to 40th Street Paving

Total Cost	\$1,650,000
Type	Construction
Progress	Planning
Category	Street Paving
Location	4th Avenue - 32nd to 40th Streets



Justification

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

Description

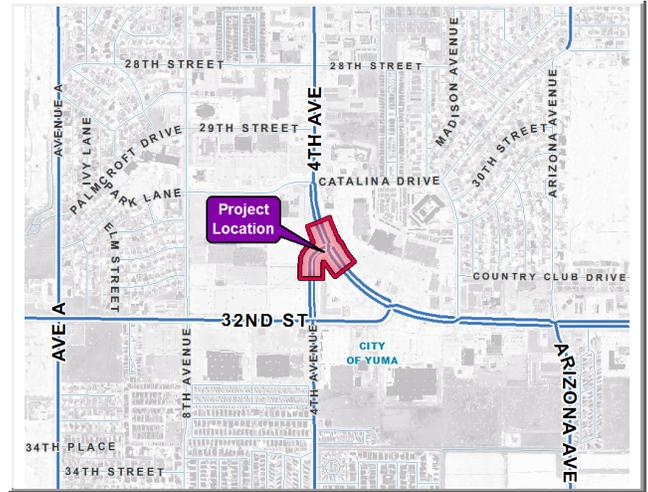
Remove and replace pavement, water infrastructure and conduct other minor improvements on 4th Avenue - 32nd to 40th Street.

Expenditures	2018	2019	2020	2021	2022	Total
Design	150,000					150,000
Construction		1,500,000				1,500,000
Total	150,000	1,500,000				1,650,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax	110,000	1,100,000				1,210,000
Water Utility Fund	40,000	400,000				440,000
Total	150,000	1,500,000				1,650,000

4th Avenue and Big Curve Turn Lane

Total Cost	\$240,000
Type	Construction
Progress	Construction Complete
Category	Street Improvement
Location	4th Avenue and Big Curve Intersection



Justification

A southbound right–turn lane on 4th Avenue/Big Curve will improve the flow of southbound through traffic to 4th Avenue Extension.

Description

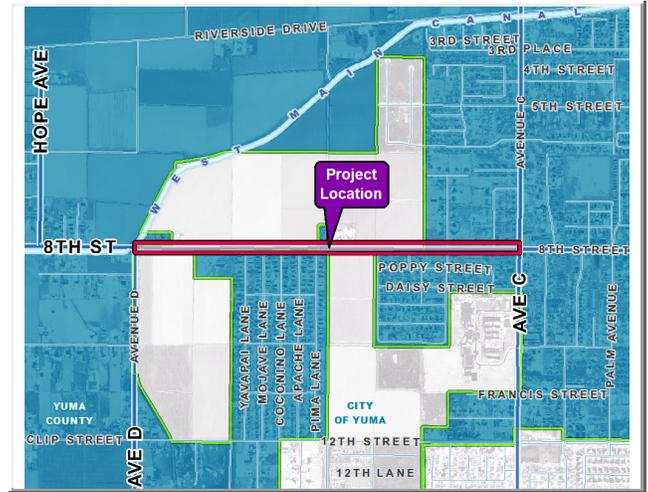
Design and construct a dedicated southbound right-turn lane from 4th Avenue/Big Curve onto southbound 4th Avenue Extension along with traffic signal mast arm and controller replacements.

Expenditures	2018	2019	2020	2021	2022	Total
Construction	240,000					240,000
Total	240,000					240,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax	190,000					190,000
Development Fee - Transportation	50,000					50,000
Total	240,000					240,000

8th Street - Avenue C to D Reconstruction

Total Cost	\$1,500,000
Type	Construction
Progress	Design Complete
Category	Street Reconstruction
Location	8th Street - Avenue C to D



Justification

This project has been identified in the City of Yuma's Transportation Master Plan. Yuma County has designed and will be administering this project. An intergovernmental agreement (IGA) will be presented before Yuma City Council for review and approval. The amount budgeted below is the City's estimated participation.

Description

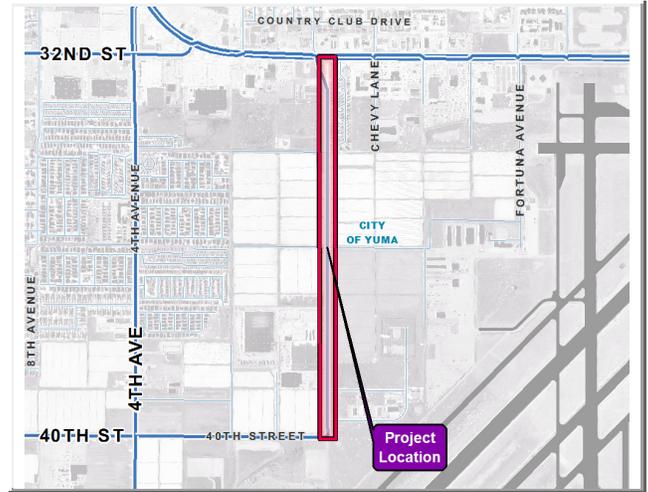
Reconstruct 8th Street between Avenue C to D to an urban five lane section with curb, sidewalk, and related drainage improvements.

Expenditures	2018	2019	2020	2021	2022	Total
Construction	500,000	1,000,000				1,500,000
Total	500,000	1,000,000				1,500,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax	500,000	1,000,000				1,500,000
Total	500,000	1,000,000				1,500,000

Arizona Avenue - 33rd to 40th Street Paving

Total Cost	\$770,000
Type	Construction
Progress	Planning
Category	Street Paving
Location	Arizona Avenue - 33rd to 40th Street



Justification

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

Description

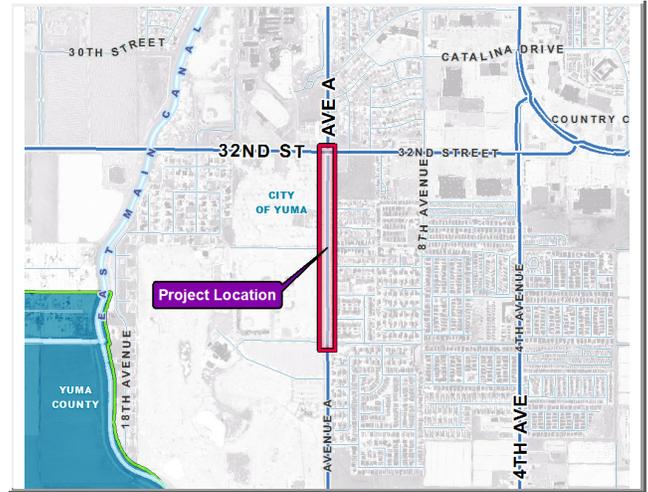
Remove and replace pavement and conduct other minor improvements on Arizona Avenue - 33rd to 40th Street.

Expenditures	2018	2019	2020	2021	2022	Total
Design	70,000					70,000
Construction			700,000			700,000
Total	70,000		700,000			770,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax	70,000		700,000			770,000
Total	70,000		700,000			770,000

Avenue A - 32nd to 36th Street Paving

Total Cost \$660,000
Type Construction
Progress Planning
Category Street Paving
Location Avenue A from 32nd to 36th street



Justification

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

Description

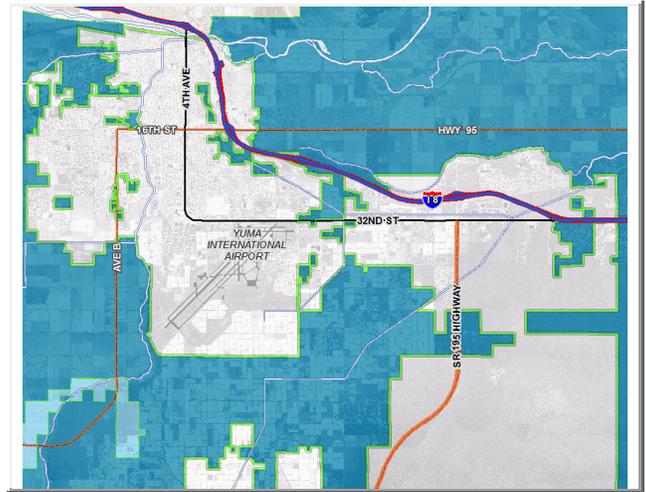
Remove and replace pavement and conduct other minor improvements on Avenue A from 32nd to 36th Street.

Expenditures	2018	2019	2020	2021	2022	Total
Design	60,000					60,000
Construction		600,000				600,000
Total	60,000	600,000				660,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax	60,000	600,000				660,000
Total	60,000	600,000				660,000

Citywide Safety Improvements

Total Cost \$700,000
Type Improvement
Progress Planning
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

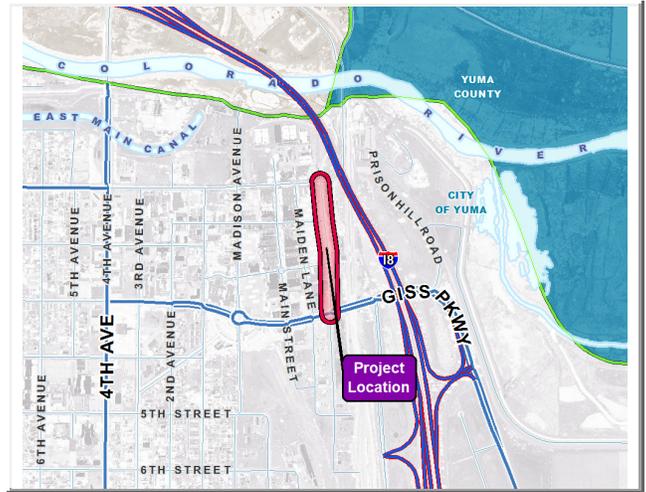
Improvements may include streetlights fill in, handicap ramps, traffic signal upgrades, signage, street crosswalks, striping, and sidewalks/pathways. In addition, staff may require preparation and submission of grant applications in order to address safety concerns. Such improvements will complement existing roadway infrastructure throughout the City.

Expenditures	2018	2019	2020	2021	2022	Total
Construction	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	2018	2019	2020	2021	2022	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

Gila Street - 1st Street to Giss Parkway Paving

Total Cost \$900,000
Type Construction
Progress Under Design
Category Street Reconstruction
Location Gila Street - 1st Street to Giss Parkway



Justification

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

Description

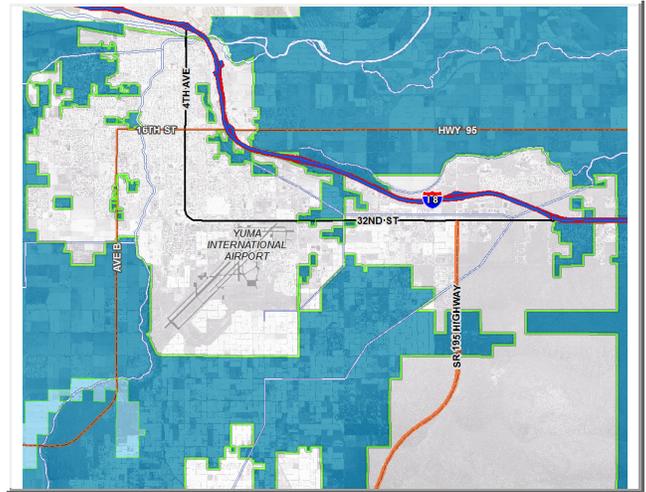
Remove and replace pavement, water and wastewater infrastructure on Gila Street from 1st Street to Giss Parkway.

Expenditures	2018	2019	2020	2021	2022	Total
Design	80,000					80,000
Construction	820,000					820,000
Total	900,000					900,000

Funding Sources	2018	2019	2020	2021	2022	Total
Bond - Water	120,000					120,000
Highway Users Revenue Fund	550,000					550,000
Wastewater Utility Fund	230,000					230,000
Total	900,000					900,000

Pavement Preservation

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



Justification

The City has over 365 centerlines miles of roadways which require maintenance. Public Works use common pavement preservation strategies that entails applying less expensive sealant treatments to the roadways. By applying less expensive and less disruptive treatments maximizes resources by delaying more costly repairs.

Description

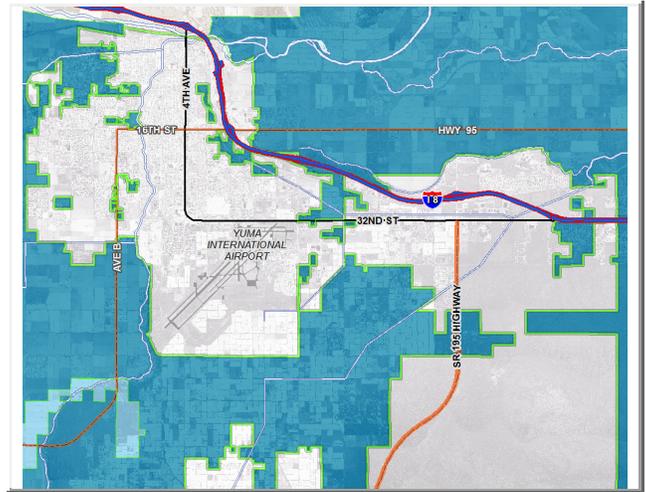
Use pavement preservation practices as a proactive approach to prolonging the life of roads prior to reconstruction.

Expenditures	2018	2019	2020	2021	2022	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	2018	2019	2020	2021	2022	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 LED System Retrofit

Total Cost	\$3,200,000
Type	Improvement
Progress	Planning
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

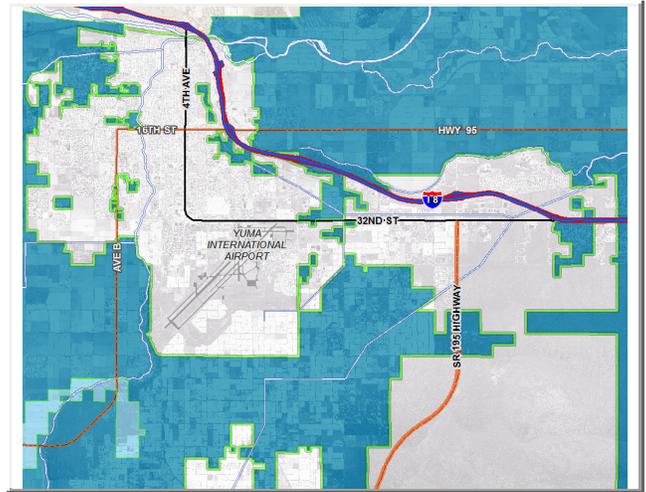
Convert streetlight fixtures from incandescent to LED.

Expenditures	2018	2019	2020	2021	2022	Total
Installation	3,200,000					3,200,000
Total	3,200,000					3,200,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax	3,200,000					3,200,000
Total	3,200,000					3,200,000

Streetlight Structural Assessment and Replacement

Total Cost	\$250,000
Type	Improvement
Progress	Planning
Category	Street Improvement
Location	Citywide



Justification

Public Works will inspect streetlight poles and schedule their replacements as needed in order to ensure public safety.

Description

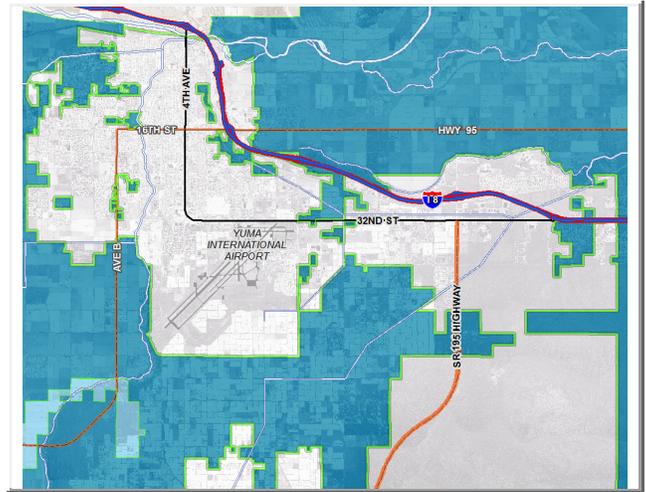
Assess the structural integrity of streetlights throughout the City and repair or replace as needed.

Expenditures	2018	2019	2020	2021	2022	Total
Installation	250,000					250,000
Total	250,000					250,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax	250,000					250,000
Total	250,000					250,000

Traffic Signals Upgrade

Total Cost \$260,000
Type Maintenance
Progress Planning
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

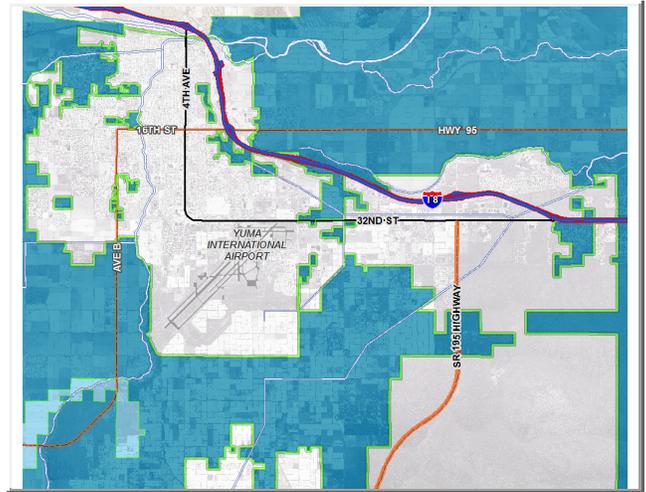
Remove and replace TS1 controllers with TS2 controllers, power pedestal, detections, and wiring harness.

Expenditures	2018	2019	2020	2021	2022	Total
Installation	260,000					260,000
Total	260,000					260,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax	260,000					260,000
Total	260,000					260,000

Xeriscape Conversion

Total Cost \$140,000
Type Construction
Progress Planning
Category Landscape
Location Citywide



Justification

City rights of way have been landscaped with turf/grass which requires weekly upkeep and is costly to maintain. Xeriscape is a style of landscape design requiring little or no irrigation or maintenance. Public Works will convert existing grass basins or roadsides to Xeriscape in order to reduce its maintenance requirements.

Description

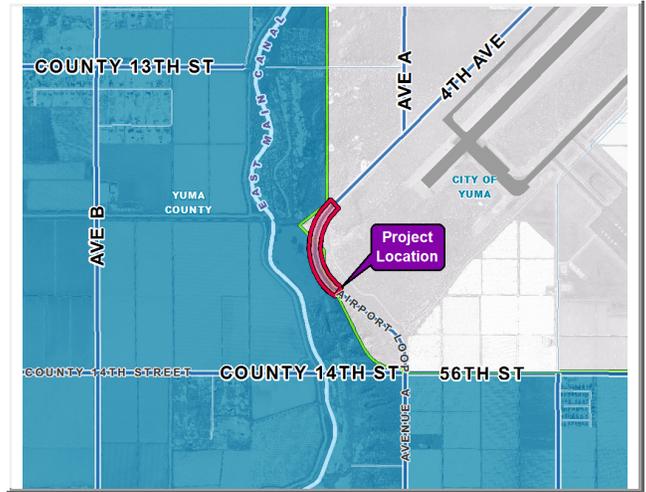
Removal and replacement current landscape to Xeriscape.

Expenditures	2018	2019	2020	2021	2022	Total
Installation	140,000					140,000
Total	140,000					140,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax	140,000					140,000
Total	140,000					140,000

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 on the Airport Loop section of South 4th Avenue. Storm water discharge causes soil erosion with sediment ending 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 has been redesigned and will be reconstructed.

Description

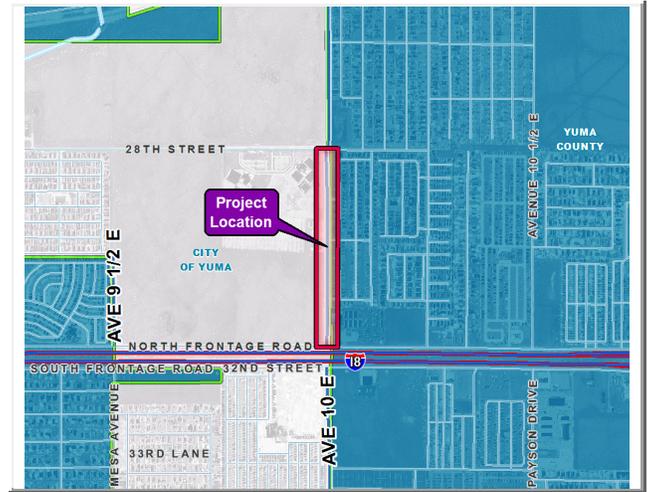
Design and rebuild the storm drain located approximately 2,200 feet west of Avenue A on Airport Loop.

Expenditures	2018	2019	2020	2021	2022	Total
Design		10,000				10,000
Construction			230,000			230,000
Total		10,000	230,000			240,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax		10,000	230,000			240,000
Total		10,000	230,000			240,000

Avenue 10E - 28th Street to N Frontage Road Paving

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



Justification

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

Description

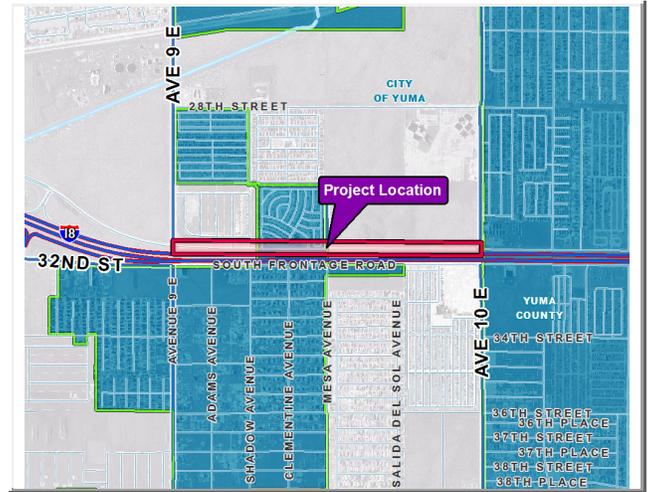
Remove and replace pavement and conduct other minor improvements on Avenue 10E from 28th Street to N Frontage Road.

Expenditures	2018	2019	2020	2021	2022	Total
Design		40,000				40,000
Construction			400,000			400,000
Total		40,000	400,000			440,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax		40,000	400,000			440,000
Total		40,000	400,000			440,000

North Frontage Road - Avenue 9E to 10E Paving

Total Cost	\$775,000
Type	Construction
Progress	Planning
Category	Street Paving
Location	North Frontage Road - Avenue 9E to 10E



Justification

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

Description

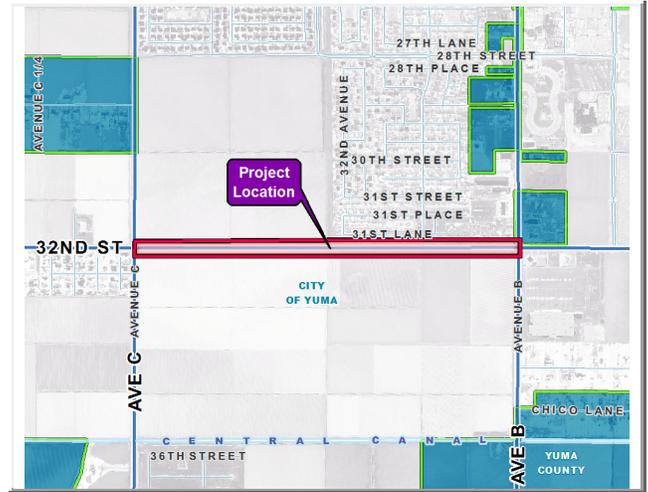
Remove and replace pavement and conduct other minor improvements on North Frontage Road from Avenue 9E to 10E Paving.

Expenditures	2018	2019	2020	2021	2022	Total
Design		75,000				75,000
Construction			700,000			700,000
Total		75,000	700,000			775,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax		75,000	700,000			775,000
Total		75,000	700,000			775,000

32nd Street - Avenue B to C Paving

Total Cost	\$1,320,000
Type	Construction
Progress	Planning
Category	Street Paving
Location	32nd Street - Avenue B to C



Justification

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

Description

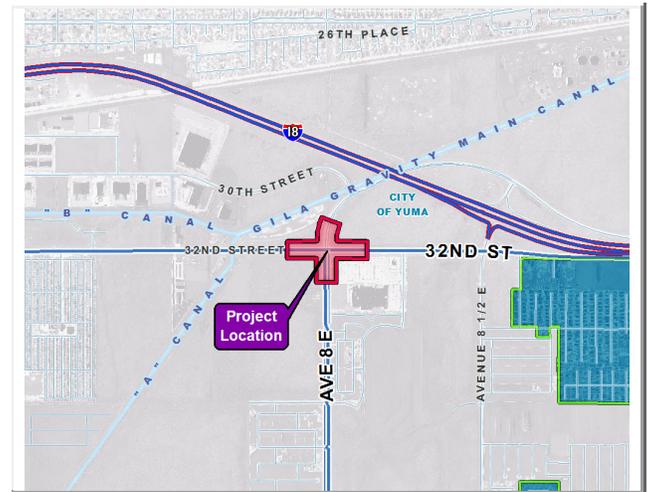
Remove and replace pavement and conduct other minor improvements on 32nd Street from Avenue B to C.

Expenditures	2018	2019	2020	2021	2022	Total
Design			120,000			120,000
Construction				1,200,000		1,200,000
Total			120,000	1,200,000		1,320,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax			120,000	1,200,000		1,320,000
Total			120,000	1,200,000		1,320,000

32nd Street and Avenue 8E Turn Lane

Total Cost	\$200,000
Type	Construction
Progress	Design Complete
Category	Street Improvement
Location	32nd Street and Avenue 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

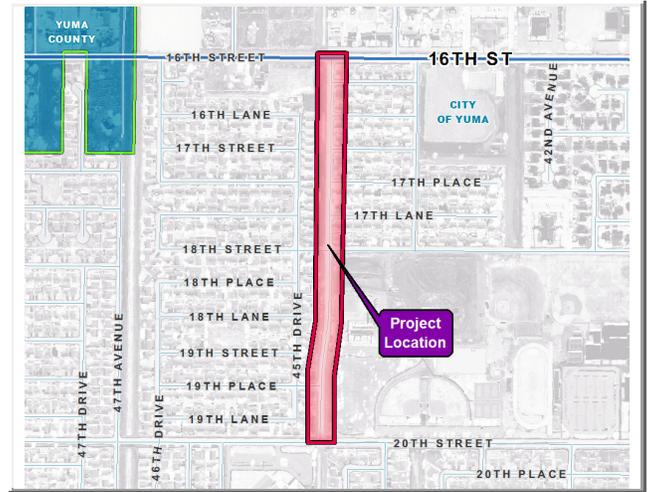
Design and construct a westbound right-turn turn lane with traffic signal mast arm and control replacement on 32nd Street.

Expenditures	2018	2019	2020	2021	2022	Total
Construction			200,000			200,000
Total			200,000			200,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax			160,000			160,000
Development Fee - Transportation			40,000			40,000
Total			200,000			200,000

45th Avenue - 16th to 20th Street Paving

Total Cost \$440,000
Type Construction
Progress Planning
Category Street Paving
Location 45th Avenue - 16th to 20th Street



Justification

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

Description

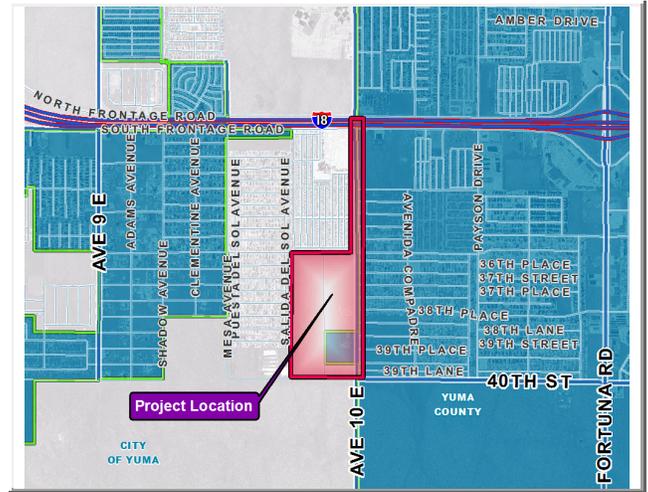
Remove and replace pavement and conduct other minor improvements on 45th Avenue from 16th Street to 20th Street.

Expenditures	2018	2019	2020	2021	2022	Total
Design			40,000			40,000
Construction				400,000		400,000
Total			40,000	400,000		440,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax			40,000	400,000		440,000
Total			40,000	400,000		440,000

Avenue 10E Improvements

Total Cost \$330,000
Type Improvement
Progress Planning
Category Street Improvement
Location Avenue 10E - 40th Street to South Frontage Road



Justification

Participate in the design and construction costs associated with the improvements on Avenue 10E as identified in Resolution No R2000-37 Preannexation Development Agreement.

Description

Agreement requires property owners to design and construct certain roadway improvements on Avenue 10E with the City reimbursing the owners a portion of costs.

Expenditures	2018	2019	2020	2021	2022	Total
Design			20,000			20,000
Construction			310,000			310,000
Total			330,000			330,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax			220,000			220,000
Development Fee - Transportation			40,000			40,000
Water Utility Fund			70,000			70,000
Total			330,000			330,000

Pacific Avenue - Levee Rd to 8th St Share Use Path

Total Cost	\$300,000
Type	Construction
Progress	Planning
Category	Pathway
Location	Pacific Avenue - Colorado River Levee Share Use Path to 8th Street



Justification

This project has been identified in the 2014 City of Yuma Transportation Master Plan as a priority segment and a major connection within the City's Bicycle and Pedestrian system.

Description

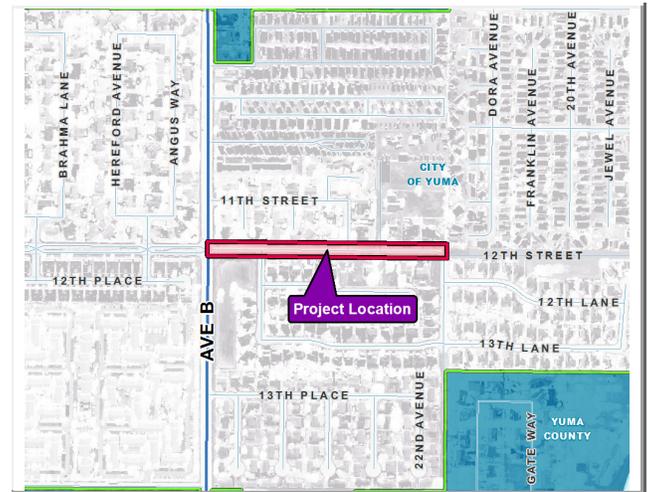
Construct a share use path for from 8th Street over Levee Rd to connect to the Colorado River Levee Path.

Expenditures	2018	2019	2020	2021	2022	Total
Design			50,000			50,000
Construction				250,000		250,000
Total			50,000	250,000		300,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax			50,000	250,000		300,000
Total			50,000	250,000		300,000

12th Street - 21st Drive to Avenue B Paving

Total Cost	\$175,000
Type	Construction
Progress	Planning
Category	Street Paving
Location	12th Street-21st Drive to Avenue B



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 12th Street from 21st Drive to Avenue B.

Expenditures	2018	2019	2020	2021	2022	Total
Design				15,000		15,000
Construction					160,000	160,000
Total				15,000	160,000	175,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax				15,000	160,000	175,000
Total				15,000	160,000	175,000

14th Avenue-12th to 16th Street Paving

Total Cost \$1,200,000
Type Construction
Progress Planning
Category Street Paving
Location 14th Avenue-12th to 16th Street



Justification

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

Description

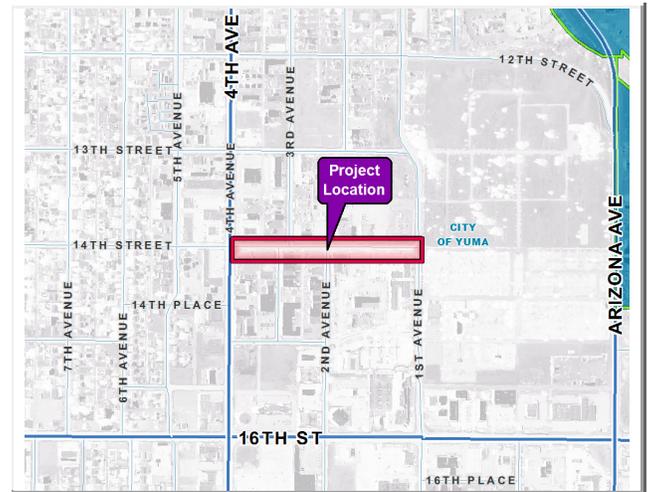
Remove and replace pavement, water and wastewater infrastructure and conduct other minor improvements on 14th Avenue from 12th to 16th Street.

Expenditures	2018	2019	2020	2021	2022	Total
Design				100,000		100,000
Construction					1,100,000	1,100,000
Total				100,000	1,100,000	1,200,000

Funding Sources	2018	2019	2020	2021	2022	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

14th Street - 1st to 4th Avenue Paving

Total Cost	\$400,000
Type	Construction
Progress	Planning
Category	Street Paving
Location	14th Street - 4th to 1st Avenue



Justification

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

Description

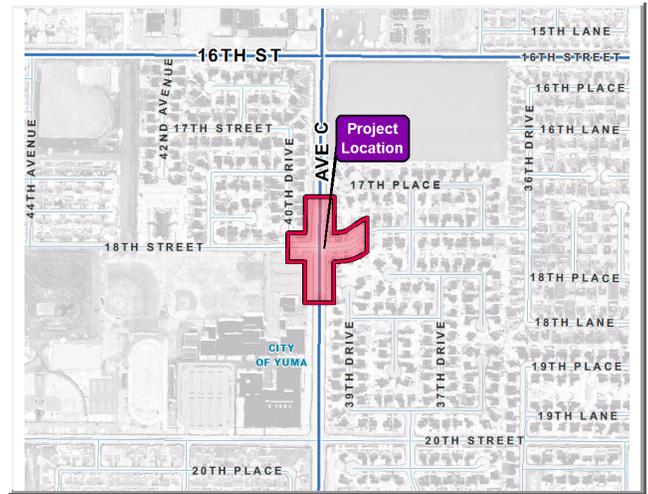
Remove and replace pavement, water and wastewater infrastructure and conduct other minor improvements on 14th Street from 1st Avenue to 4th Avenue.

Expenditures	2018	2019	2020	2021	2022	Total
Construction				400,000		400,000
Total				400,000		400,000

Funding Sources	2018	2019	2020	2021	2022	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

18th Street and Avenue C Traffic Signal

Total Cost	\$375,000
Type	Construction
Progress	Planning
Category	Street Improvement
Location	18th Street and Avenue C Intersection



Justification

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

Description

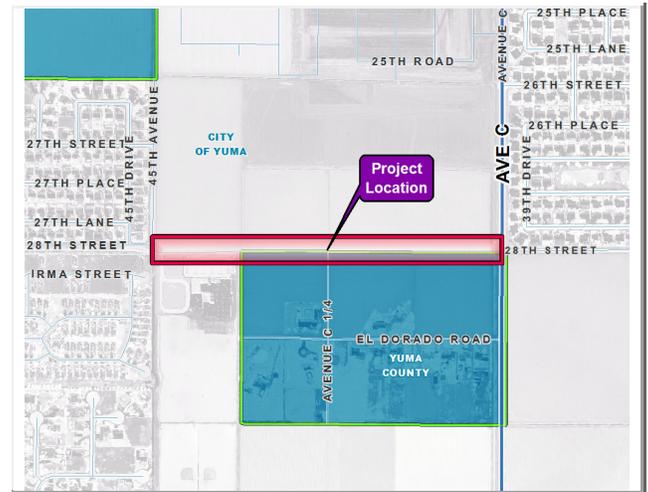
Design and construct a complete traffic signal system at the intersection of 18th Street and Avenue C.

Expenditures	2018	2019	2020	2021	2022	Total
Design				40,000		40,000
Construction				335,000		335,000
Total				375,000		375,000

Funding Sources	2018	2019	2020	2021	2022	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 - Avenue C to 45th Avenue

Total Cost	\$1,200,000
Type	Construction
Progress	Planning
Category	Street Construction
Location	28th Street - Avenue C to 45th Avenue



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 preannexation development Agreement R2012-30, recorded at FEE # 2012-2013-08606, Yuma County Records.

Description

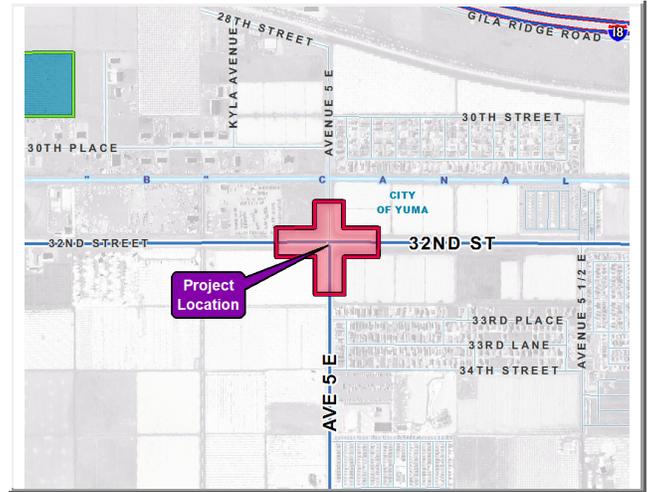
Construct the north half width of 28th Street between Avenue C and 45th Avenue.

Expenditures	2018	2019	2020	2021	2022	Total
Design				120,000		120,000
Construction					1,080,000	1,080,000
Total				120,000	1,080,000	1,200,000

Funding Sources	2018	2019	2020	2021	2022	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	Planning
Category	Street Improvement
Location	32nd Street and Avenue 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

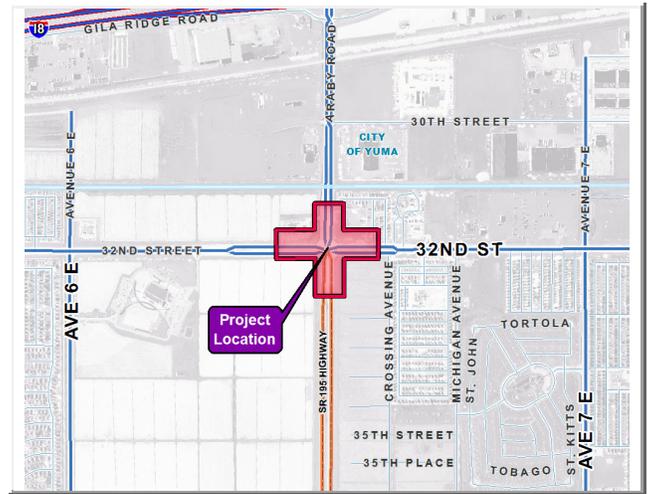
Design and construct eastbound and westbound right-turn lanes on 32nd Street and replace traffic signal mast arms and controllers.

Expenditures	2018	2019	2020	2021	2022	Total
Design				40,000		40,000
Construction					360,000	360,000
Total				40,000	360,000	400,000

Funding Sources	2018	2019	2020	2021	2022	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

32nd Street and Avenue 7E Turn Lane

Total Cost	\$180,000
Type	Construction
Progress	Design Complete
Category	Street Improvement
Location	32nd Street and Avenue 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

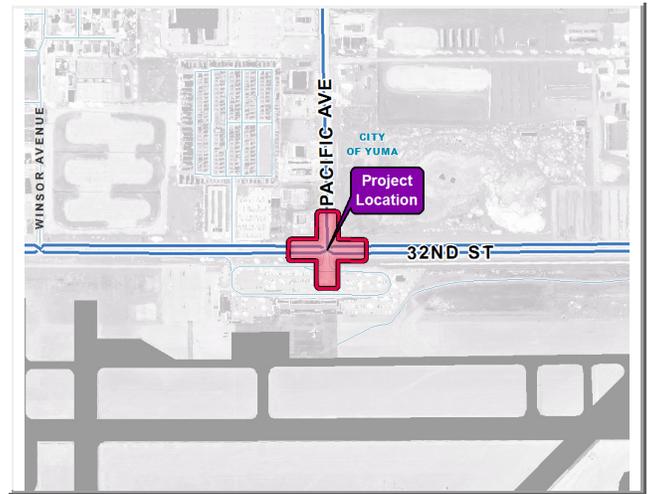
Design and construct an eastbound right-turn lane with traffic signal mast arm and control replacement on 32nd Street.

Expenditures	2018	2019	2020	2021	2022	Total
Construction				180,000		180,000
Total				180,000		180,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax				145,000		145,000
Development Fee - Transportation				35,000		35,000
Total				180,000		180,000

32nd Street and Pacific Avenue Intersection

Total Cost	\$1,430,000
Type	Reconstruction
Progress	Planning
Category	Street Reconstruction
Location	32nd Street & Pacific Avenue



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

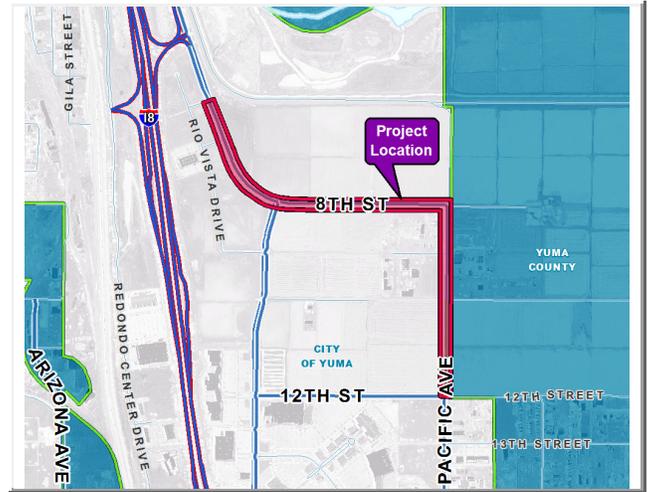
Add second dedicated eastbound left-turn lane, convert existing left-through lane to a through lane, upgrade traffic signal, extend median on north leg and revise access to properties on west side of north leg. The project will also include installation of conduit and fiber optic cable to coordinate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

Expenditures	2018	2019	2020	2021	2022	Total
Design				130,000		130,000
Construction					1,300,000	1,300,000
Total				130,000	1,300,000	1,430,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax				105,000	1,050,000	1,155,000
Development Fee - Transportation				25,000	250,000	275,000
Total				130,000	1,300,000	1,430,000

8th Street & Pacific Avenue Corridor Improvements

Total Cost	\$560,000
Type	Construction
Progress	Planning
Category	Street Improvement
Location	8th Street and Pacific Avenue Corridor



Justification

According to the Pacific Avenue Athletic Complex Traffic Impact Study, the existing level of service is A and B along this corridor. However, by year 2022 traffic is projected to increase by 150% impacting the level of service significantly. The City is requesting Surface Transportation Program (STP) funds for this project, the City’s local matches is identified below.

Description

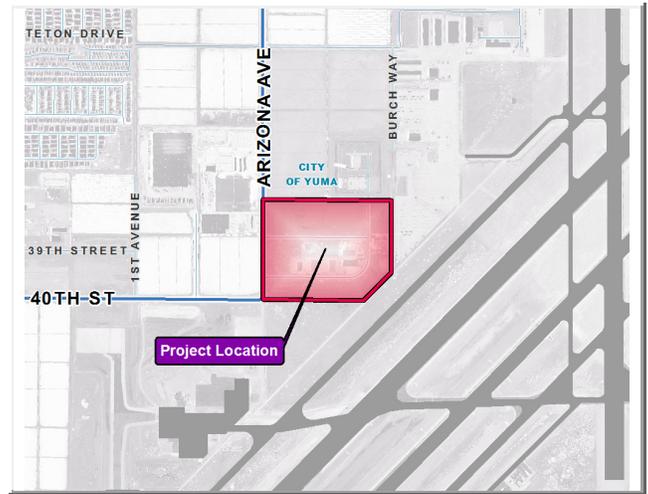
Reconstruct the unimproved sections of 8th Street and Pacific Avenue to current City standards. This includes widening current right of way at least 100 feet and installing asphalt, curb, gutter, and sidewalk.

Expenditures	2018	2019	2020	2021	2022	Total
Design				60,000		60,000
Total				60,000		60,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax				60,000		60,000
Total				60,000		60,000

Triple S Industrial Park Paving

Total Cost	\$500,000
Type	Construction
Progress	Planning
Category	Street Paving
Location	North East Corner of 40th Street and Arizona Avenue



Justification

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

Description

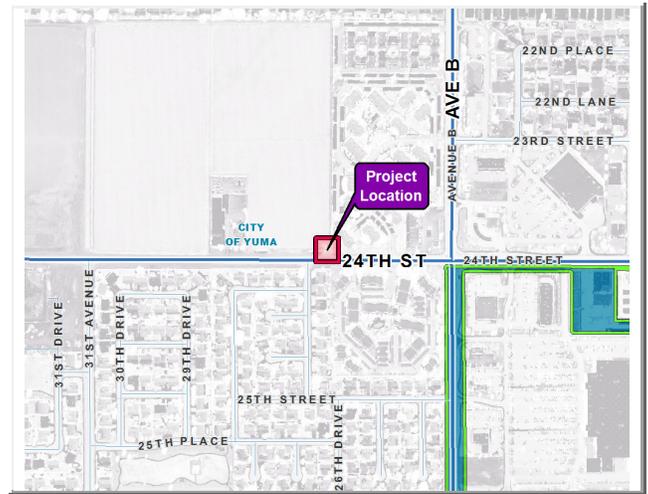
Remove and replace pavement and conduct other minor improvements on the north east corner of 40th Street and Arizona Avenue.

Expenditures	2018	2019	2020	2021	2022	Total
Design				50,000		50,000
Construction					450,000	450,000
Total				50,000	450,000	500,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Road Tax				50,000	450,000	500,000
Total				50,000	450,000	500,000

24th Street Lift Station Replacement

Total Cost	\$725,000
Type	Construction
Progress	Design Complete
Category	Wastewater System
Location	24th Street West of Avenue B



Justification

The wastewater collection system currently includes 25 wastewater lift stations. The 24th Street wastewater lift station is 40 years old and has exceeded its useful life. This lift station is a strategic collection point within the wastewater collection system. Replacing this lift station is critical to maintaining overall system integrity.

Description

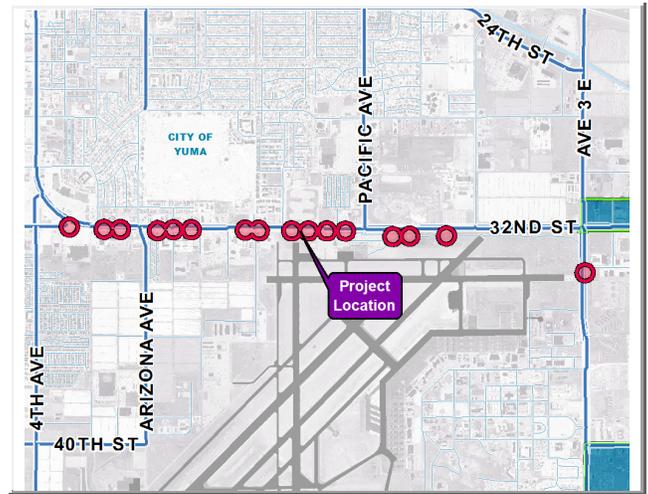
Purchase approximately 6,000 square feet of property behind the existing lift station and construct a new wastewater lift station to include Supervisory Control and Data Acquisition (SCADA) controls and new energy efficient variable drive pumps.

Expenditures	2018	2019	2020	2021	2022	Total
Design	10,000					10,000
Construction	715,000					715,000
Total	725,000					725,000

Funding Sources	2018	2019	2020	2021	2022	Total
Wastewater Utility Fund	725,000					725,000
Total	725,000					725,000

32nd Street Manhole Rehabilitation

Total Cost \$300,000
Type Rehabilitation
Progress Planning
Category Wastewater System
Location 32nd Street - 4th Avenue to Avenue 3E



Justification

Hydrogen sulfide is corrosive to concrete and cementitious materials and has damaged manholes. The manholes in this area are constructed of either brick or unprotected concrete. The Hydrogen sulfide gas has caused severe deterioration of the unprotected structures. Complete replacement is necessary to prevent potential service disruptions if a manhole fail.

Description

Replace concrete and brick manholes with new polymer concrete manholes which are impervious to the damaging effects of Hydrogen sulfide.

Expenditures	2018	2019	2020	2021	2022	Total
Construction	300,000					300,000
Total	300,000					300,000

Funding Sources	2018	2019	2020	2021	2022	Total
Wastewater Utility Fund	300,000					300,000
Total	300,000					300,000

Desert Dunes WRF Improvement Project

Total Cost	\$470,000
Type	Construction
Progress	Planning
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

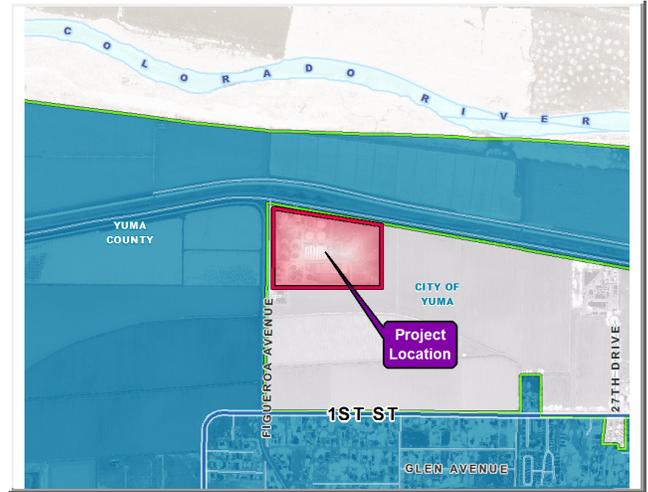
Install a 3rd ground water monitoring well, replace final clarifier skimmers and install hoist/crane lifting system inside headwork building.

Expenditures	2018	2019	2020	2021	2022	Total
Construction	470,000					470,000
Total	470,000					470,000

Funding Sources	2018	2019	2020	2021	2022	Total
Wastewater Utility Fund	470,000					470,000
Total	470,000					470,000

Figueroa AWPCF Annual System Overhaul

Total Cost	\$3,000,000
Type	Construction
Progress	Planning
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

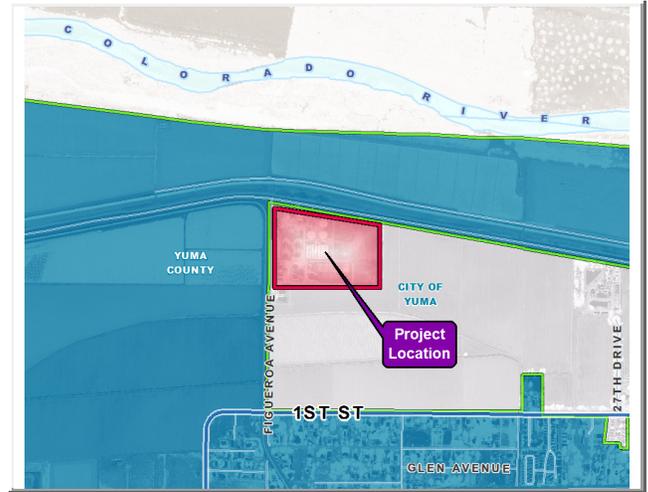
On an annual basis major equipment such as the center pier, sludge box and center cases of the clarifiers will be inspected and repaired or replaced. Concrete pads, tanks, and wall supports will be evaluated for structural integrity and repaired. Pumps, motors, drives and other electrical components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

Expenditures	2018	2019	2020	2021	2022	Total
Design	40,000	40,000	40,000	70,000	70,000	260,000
Construction	460,000	460,000	460,000	680,000	680,000	2,740,000
Total	500,000	500,000	500,000	750,000	750,000	3,000,000

Funding Sources	2018	2019	2020	2021	2022	Total
Wastewater Utility Fund	500,000	500,000	500,000	750,000	750,000	3,000,000
Total	500,000	500,000	500,000	750,000	750,000	3,000,000

Figueroa AWPCF AZPDES Renewal

Total Cost	\$200,000
Type	Assessment
Progress	Planning
Category	Wastewater
Location	Figueroa Avenue Water Pollution Control Facility (FAWPCF)



Justification

On December 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

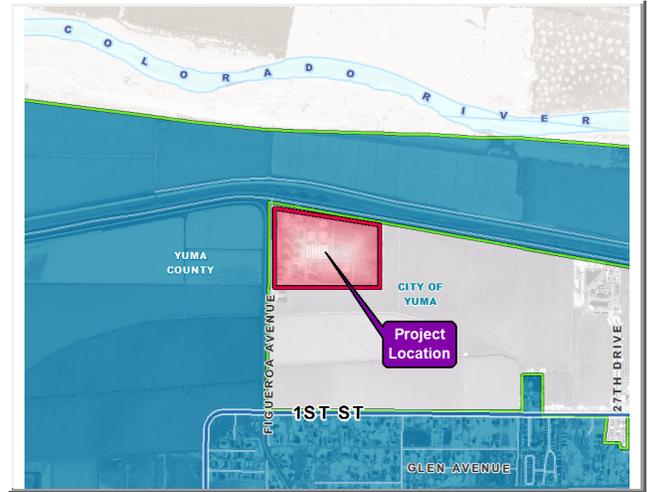
The project includes testing, modeling and document submittal to the AZPDES Permit Program for permit renewal.

Expenditures	2018	2019	2020	2021	2022	Total
Planning	200,000					200,000
Total	200,000					200,000

Funding Sources	2018	2019	2020	2021	2022	Total
Wastewater Utility Fund	200,000					200,000
Total	200,000					200,000

Figueroa AWPCF Electrical Upgrades

Total Cost	\$4,400,000
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

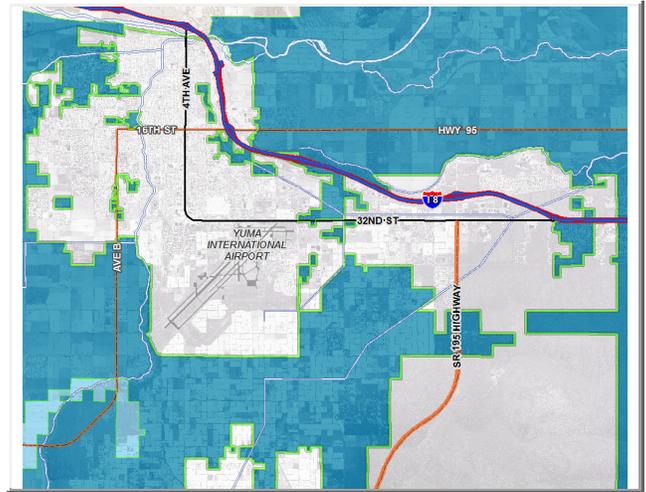
Replace the electrical service entrance and various motor control centers throughout the Facility.

Expenditures	2018	2019	2020	2021	2022	Total
Construction	2,200,000	2,200,000				4,400,000
Total	2,200,000	2,200,000				4,400,000

Funding Sources	2018	2019	2020	2021	2022	Total
Wastewater Utility Fund	2,200,000	2,200,000				4,400,000
Total	2,200,000	2,200,000				4,400,000

Manhole Rehabilitation/Reconstruction

Total Cost \$1,500,000
Type Improvement
Progress Contingency Project
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

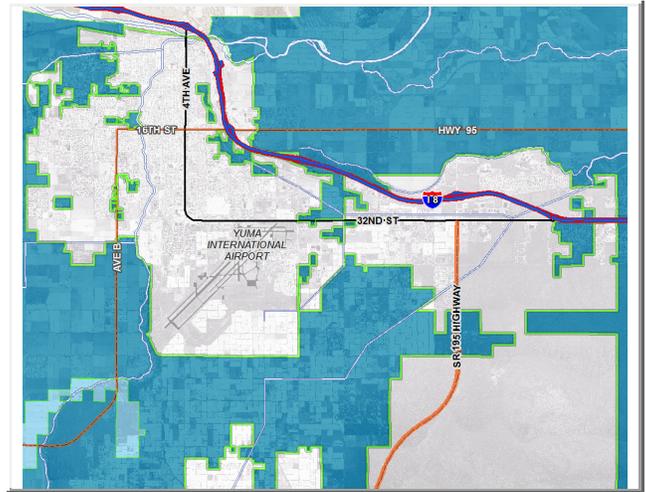
Replace failed concrete and brick manholes in order to prevent failure and damage to nearby infrastructure.

Expenditures	2018	2019	2020	2021	2022	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	2018	2019	2020	2021	2022	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 Improvement
Progress Contingency Project
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

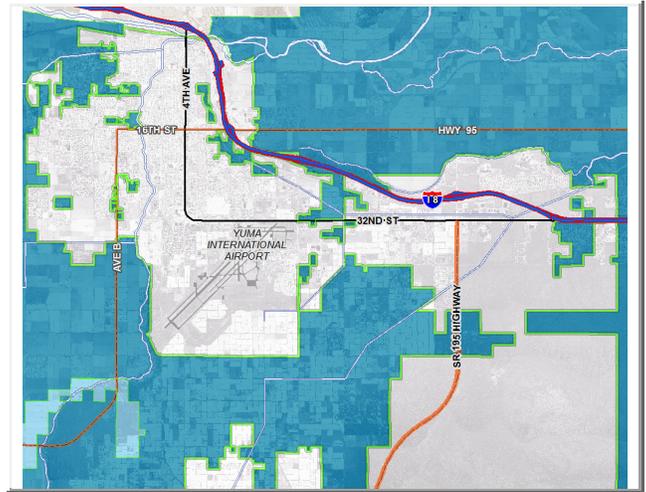
Replace damaged or compromised sanitary sewer lines where necessary or as defects are discovered throughout the collection system.

Expenditures	2018	2019	2020	2021	2022	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	2018	2019	2020	2021	2022	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 Improvement
Progress Planning
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	2018	2019	2020	2021	2022	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	2018	2019	2020	2021	2022	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

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 Water Reclamation Facility reclaimed water system with a new storage tank, chlorination system and pump station to provide effluent delivery to off-site reuse applications.

Expenditures	2018	2019	2020	2021	2022	Total
Design		180,000				180,000
Construction			1,020,000			1,020,000
Total		180,000	1,020,000			1,200,000

Funding Sources	2018	2019	2020	2021	2022	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

Desert Dunes WRF UV Disinfection System Upgrades

Total Cost	\$1,200,000
Type	Building
Progress	Planning
Category	Facility Enhancement
Location	Desert Dunes Water Reclamation Facility



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

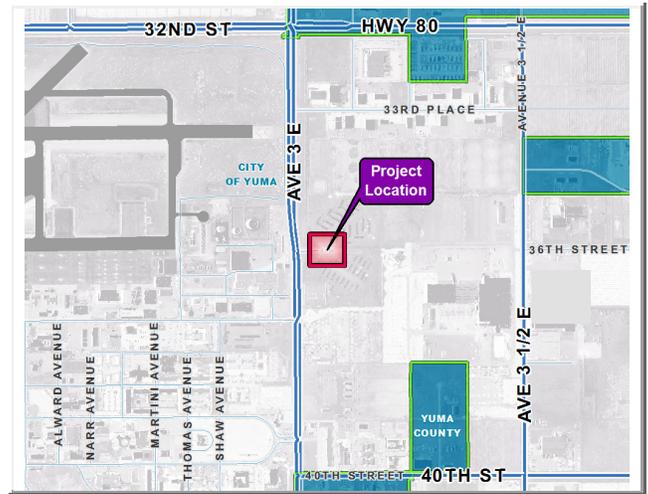
Enclose UltraViolet Disinfection System at Desert Dunes Water Reclamation Facility within a new building and replace existing system with new high efficiency system.

Expenditures	2018	2019	2020	2021	2022	Total
Design			150,000			150,000
Construction				1,050,000		1,050,000
Total			150,000	1,050,000		1,200,000

Funding Sources	2018	2019	2020	2021	2022	Total
Other - Proposed				1,050,000		1,050,000
Wastewater Utility Fund			150,000			150,000
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 causes 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

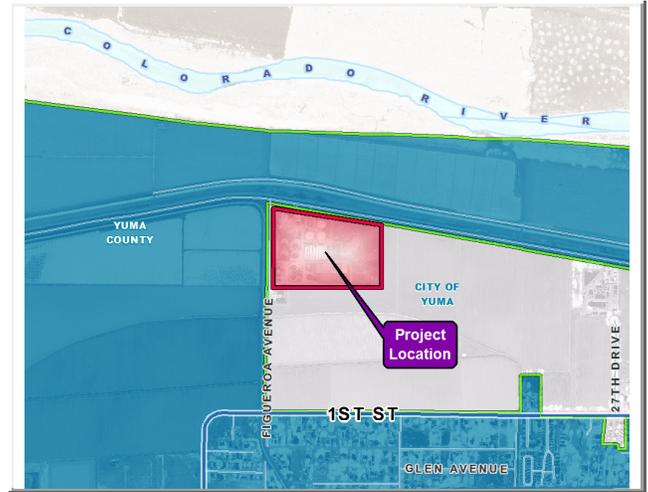
Upgrade ferrous chloride system and move tanks and pumping system outside of the building.

Expenditures	2018	2019	2020	2021	2022	Total
Construction			1,500,000			1,500,000
Total			1,500,000			1,500,000

Funding Sources	2018	2019	2020	2021	2022	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	Planning
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 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

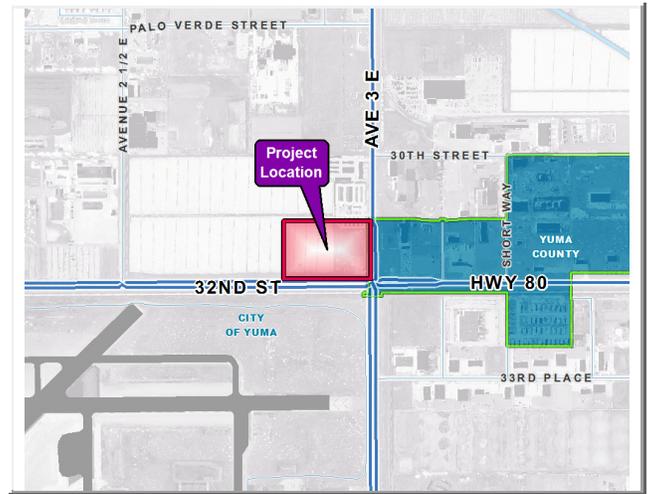
Design and construct a corrosion control system for the Figueroa Avenue Water Pollution Control Facility.

Expenditures	2018	2019	2020	2021	2022	Total
Design			150,000			150,000
Construction				1,150,000		1,150,000
Total			150,000	1,150,000		1,300,000

Funding Sources	2018	2019	2020	2021	2022	Total
Other - Proposed				1,150,000		1,150,000
Wastewater Utility Fund			150,000			150,000
Total			150,000	1,150,000		1,300,000

Septic Waste Receiving Station

Total Cost	\$100,000
Type	Construction
Progress	Planning
Category	Wastewater System
Location	36th Street and Avenue 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

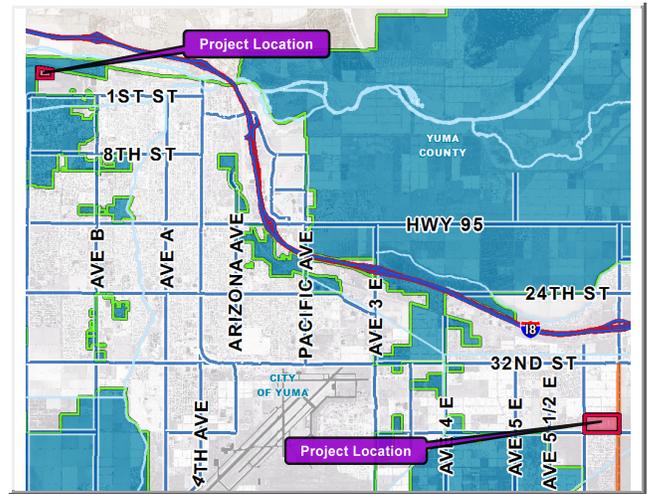
Install turn-key septic tank pumper receiving, monitoring and metering station at the 36th Street and Avenue 3E wastewater lift station.

Expenditures	2018	2019	2020	2021	2022	Total
Design				10,000		10,000
Construction				85,000		85,000
Inspection				5,000		5,000
Total				100,000		100,000

Funding Sources	2018	2019	2020	2021	2022	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 Equipment
Progress Planning
Category Improvement
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 order 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	2018	2019	2020	2021	2022	Total
Design				100,000		100,000
Construction					900,000	900,000
Total				100,000	900,000	1,000,000

Funding Sources	2018	2019	2020	2021	2022	Total
Wastewater Utility Fund				100,000	900,000	1,000,000
Total				100,000	900,000	1,000,000

16th Street Water Tanks Exterior Recoat

Total Cost \$380,000
Type Maintenance
Progress Under Construction
Category Improvement
Location 16th Street Water Tanks



Justification

The exterior recoating of the tanks provides the necessary level of protection against ultraviolet light. The existing coating has reached its useful life and must be replaced.

Description

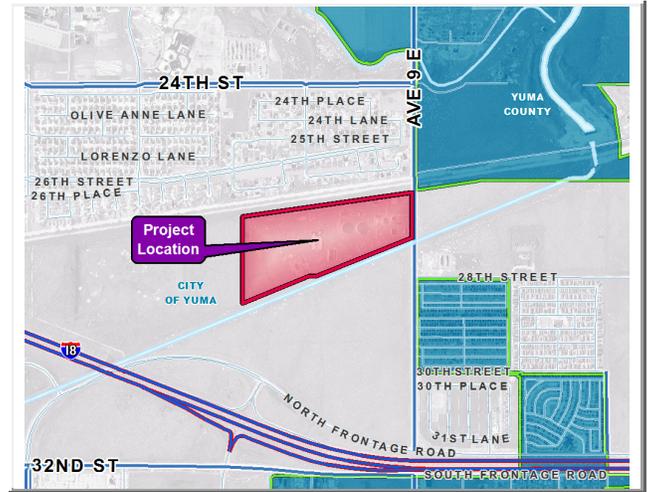
Recoat the exterior surface of all tanks.

Expenditures	2018	2019	2020	2021	2022	Total
Construction	380,000					380,000
Total	380,000					380,000

Funding Sources	2018	2019	2020	2021	2022	Total
Bond - Water	380,000					380,000
Total	380,000					380,000

Agua Viva WTP Well No. 1 Replacement

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



Justification

The Agua Viva Water Treatment Plant wells are the City's primary emergency water supply if the Colorado River supply were disrupted. Well no. 1 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

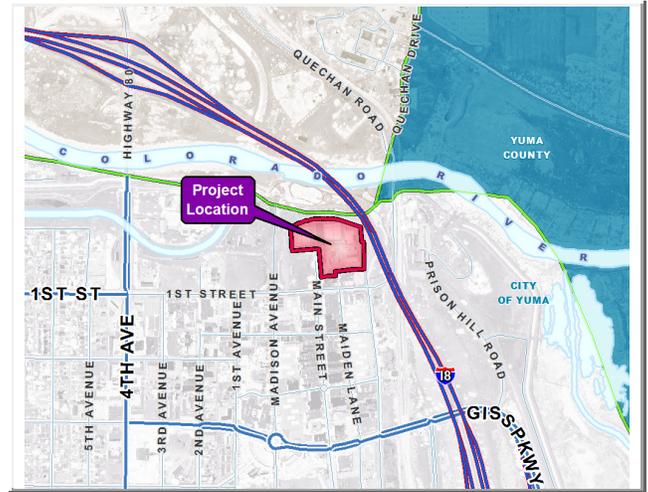
Abandon well no. 1 and replace it with a well that produces a minimum flow of 3.0 million gallons per day.

Expenditures	2018	2019	2020	2021	2022	Total
Construction	1,200,000					1,200,000
Total	1,200,000					1,200,000

Funding Sources	2018	2019	2020	2021	2022	Total
Water Utility Fund	1,200,000					1,200,000
Total	1,200,000					1,200,000

Main Street WTP Filter System Upgrade

Total Cost	\$6,800,000
Type	Improvement
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)

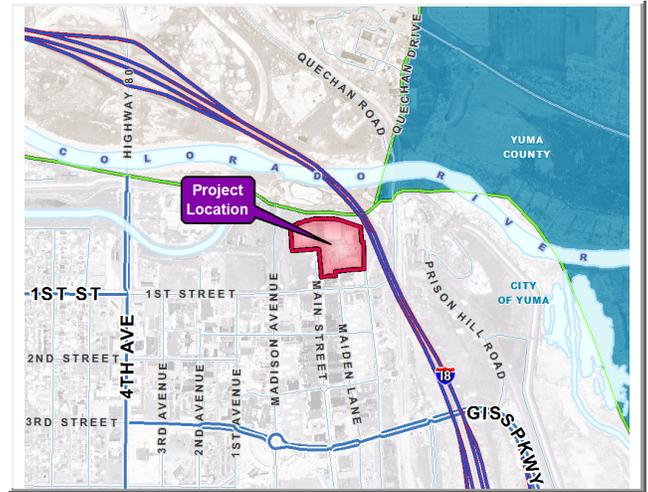
Phase III - Refurbish/Repair under drain and replace media in filters 9-12 (2021-22)

Expenditures	2018	2019	2020	2021	2022	Total
Design		140,000		140,000		280,000
Construction	2,000,000		2,260,000		2,260,000	6,520,000
Total	2,000,000	140,000	2,260,000	140,000	2,260,000	6,800,000

Funding Sources	2018	2019	2020	2021	2022	Total
Water Utility Fund	2,000,000	140,000	2,260,000	140,000	2,260,000	6,800,000
Total	2,000,000	140,000	2,260,000	140,000	2,260,000	6,800,000

Main Street WTP Sediment Basins Improvements

Total Cost	\$400,000
Type	Improvement
Progress	Planning
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 damage concrete and steel be replaced. The existing coatings protecting the steel launders and rake arms needs to be removed and replaced as part of the project.

Description

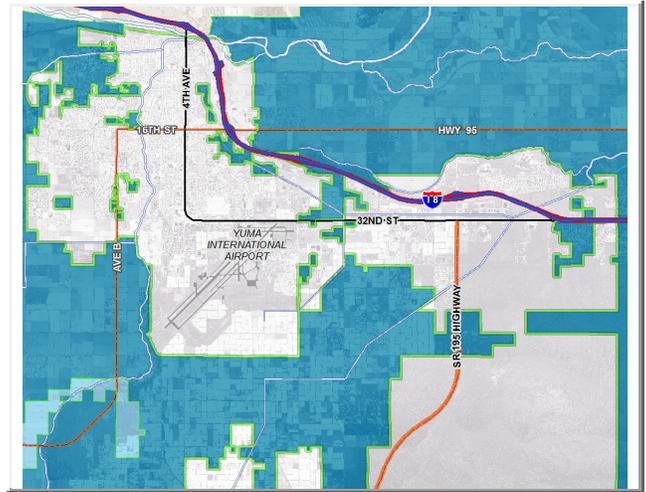
Repair spalling concrete within basin intake channels, replace redwood baffles and recoat steel launders and rake arms in sedimentation basins 1 and 2.

Expenditures	2018	2019	2020	2021	2022	Total
Design	40,000					40,000
Construction	360,000					360,000
Total	400,000					400,000

Funding Sources	2018	2019	2020	2021	2022	Total
Water Utility Fund	400,000					400,000
Total	400,000					400,000

New Water Services

Total Cost \$260,000
Type Improvement
Progress Contingency Project
Category Water System
Location Citywide



Justification

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

Description

New service installations include water meter boxes, polyvinyl chloride pipe and fittings.

Expenditures	2018	2019	2020	2021	2022	Total
Construction	45,000	50,000	55,000	55,000	55,000	260,000
Total	45,000	50,000	55,000	55,000	55,000	260,000

Funding Sources	2018	2019	2020	2021	2022	Total
Water Utility Fund	45,000	50,000	55,000	55,000	55,000	260,000
Total	45,000	50,000	55,000	55,000	55,000	260,000

Systems Division Relocation

Total Cost	\$3,450,000
Type	Construction
Progress	Planning
Category	Facility
Location	200-298 W 13th Street



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 W 13th Street, a property currently owned by the Arizona Department of Transportation. The City is currently in negotiation to acquire this property. This location is critical to maintaining department operation 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

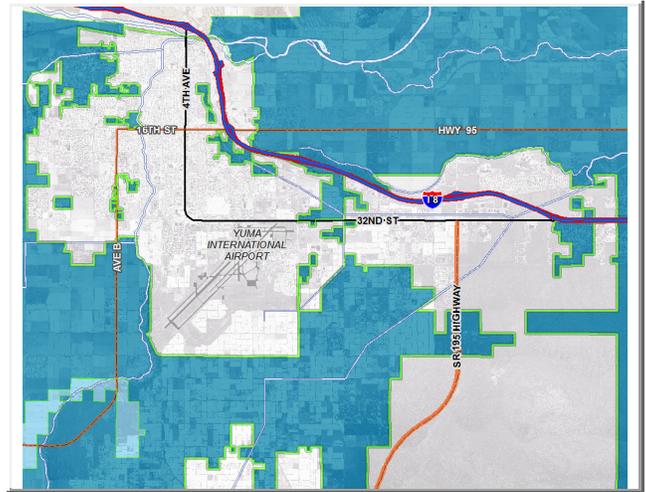
Design and construct a new building for the Utility Department’s System Division personnel.

Expenditures	2018	2019	2020	2021	2022	Total
Design	250,000					250,000
Land Acquisition/Right-of-Way	200,000					200,000
Construction		3,000,000				3,000,000
Total	450,000	3,000,000				3,450,000

Funding Sources	2018	2019	2020	2021	2022	Total
Wastewater Utility Fund	225,000	1,500,000				1,725,000
Water Utility Fund	225,000	1,500,000				1,725,000
Total	450,000	3,000,000				3,450,000

Water Main Replacement Annual Project

Total Cost \$6,500,000
Type Improvement
Progress Under Design
Category Water System
Location Citywide



Justification

Many of the City’s existing water mains were installed mid 1900’s 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

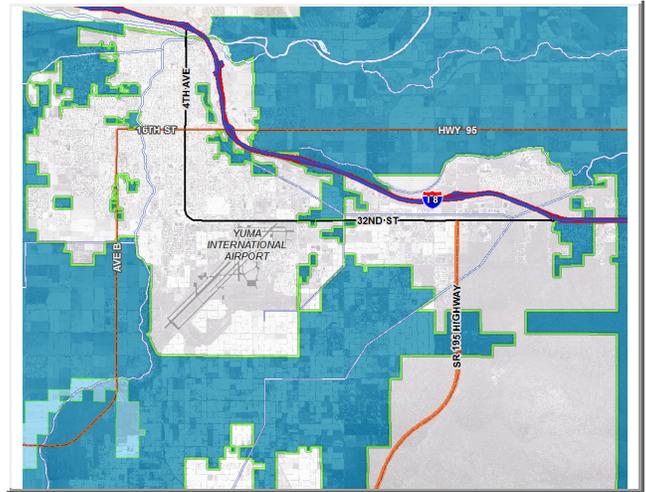
Approximately 1 to 2 miles of undersized or aging water distribution mains throughout the water distribution system will be replaced annually. No dig pipe bursting technology will be utilized where possible. Pavement will be replaced where pipe bursting technology is not utilized.

Expenditures	2018	2019	2020	2021	2022	Total
Design	100,000	100,000	100,000	100,000	100,000	500,000
Construction	900,000	900,000	1,400,000	1,400,000	1,400,000	6,000,000
Total	1,000,000	1,000,000	1,500,000	1,500,000	1,500,000	6,500,000

Funding Sources	2018	2019	2020	2021	2022	Total
Water Utility Fund	1,000,000	1,000,000	1,500,000	1,500,000	1,500,000	6,500,000
Total	1,000,000	1,000,000	1,500,000	1,500,000	1,500,000	6,500,000

Waterline Replacement/Improvements

Total Cost \$1,250,000
Type Improvement
Progress Contingency Project
Category Water System
Location Citywide



Justification

Provide water line replacements and/or improvements to prevent costly repairs or damages to the system.

Description

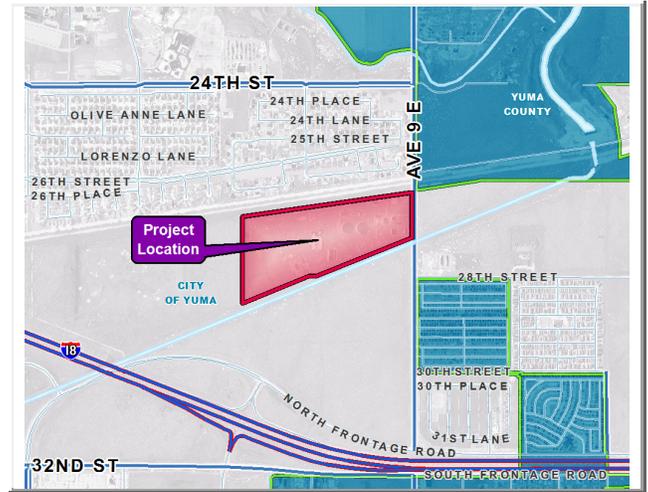
Replace cast iron and asbestos cement or undersized waterline extensions.

Expenditures	2018	2019	2020	2021	2022	Total
Design	15,000	15,000	15,000	15,000	15,000	75,000
Construction	235,000	235,000	235,000	235,000	235,000	1,175,000
Total	250,000	250,000	250,000	250,000	250,000	1,250,000

Funding Sources	2018	2019	2020	2021	2022	Total
Bond - Water	250,000					250,000
Water Utility Fund		250,000	250,000	250,000	250,000	1,000,000
Total	250,000	250,000	250,000	250,000	250,000	1,250,000

Agua Viva WTP Membrane Replacement

Total Cost	\$900,000
Type	Maintenance
Progress	Planning
Category	Water System
Location	Agua Viva Water Treatment Plant (WTP)



Justification

Agua Viva Water Treatment Plant 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 8 trains, each train consists of 8 membrane cassette.

Description

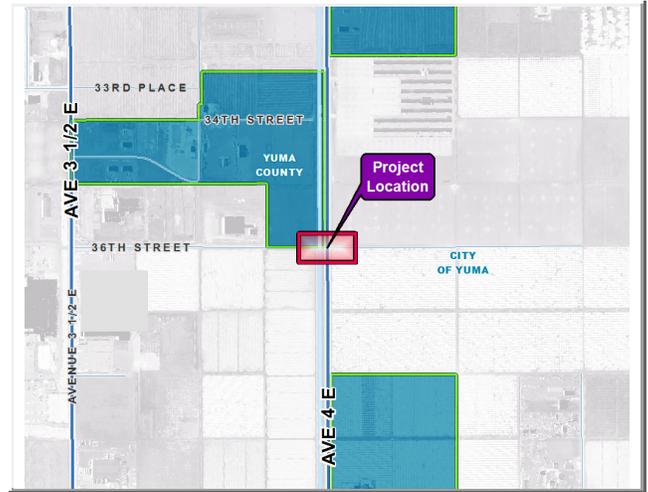
Replace 8 membrane cassette per year.

Expenditures	2018	2019	2020	2021	2022	Total
Installation			300,000	300,000	300,000	900,000
Total			300,000	300,000	300,000	900,000

Funding Sources	2018	2019	2020	2021	2022	Total
Water Utility Fund			300,000	300,000	300,000	900,000
Total			300,000	300,000	300,000	900,000

Avenue 4E and 36th Street Water Main Intersection

Total Cost	\$250,000
Type	Construction
Progress	Design Complete
Category	Water System
Location	Avenue 4E and 36th Street



Justification

The existing waterline installed on 36th Street terminates approximately 760 feet west of Avenue 9E. It is necessary expand the water main in this area in order to improve water quality and ensure system reliability as this main feeds large production facilities in the area.

Description

Install a 10 inch polyvinyl chloride pipe water main from 36th Street and Avenue 4E west approximately 760 feet and connect to existing blow-off valve.

Expenditures	2018	2019	2020	2021	2022	Total
Construction			245,000			245,000
Inspection			5,000			5,000
Total			250,000			250,000

Funding Sources	2018	2019	2020	2021	2022	Total
Water Utility Fund			250,000			250,000
Total			250,000			250,000

Avenue C - 16th to 18th St Waterline Replacement

Total Cost	\$400,000
Type	Construction
Progress	Planning
Category	Water System
Location	Avenue C - 16th to 18th Street



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 to 18th Street.

Expenditures	2018	2019	2020	2021	2022	Total
Design			30,000			30,000
Construction			350,000			350,000
Inspection			20,000			20,000
Total			400,000			400,000

Funding Sources	2018	2019	2020	2021	2022	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 Planning
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

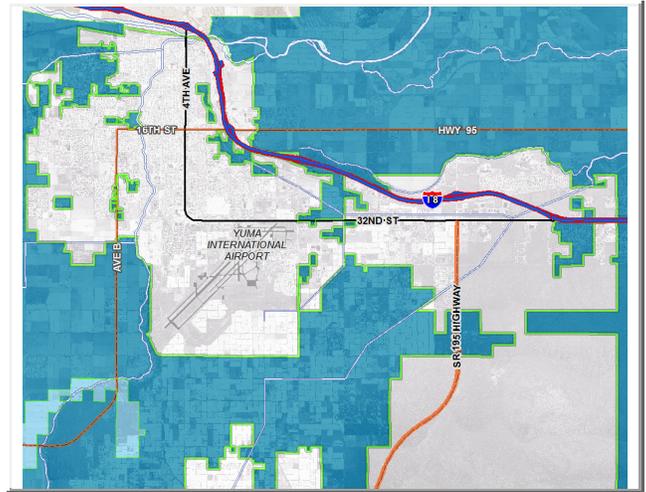
Replace 177 water service lines within Loma Vista Subdivision.

Expenditures	2018	2019	2020	2021	2022	Total
Construction					225,000	225,000
Inspection					25,000	25,000
Total					250,000	250,000

Funding Sources	2018	2019	2020	2021	2022	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	Planning
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 which 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.

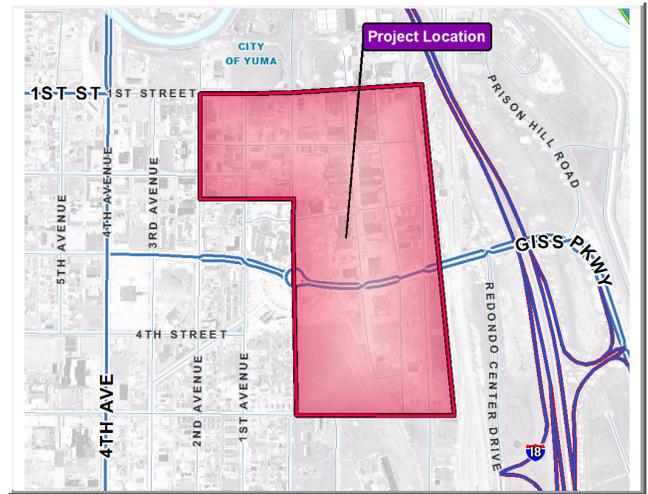
- Phase I - Feasibility and site locations (2022)
- Phase II - Design and land acquisition (2022)
- Phase III - Construct Well Field No. 1 (2023)
- Phase IV - Construct Well Field No. 2 (2024)

Expenditures	2018	2019	2020	2021	2022	Total
Design					600,000	600,000
Land Acquisition/Right-of-Way					400,000	400,000
Planning					200,000	200,000
Total					1,200,000	1,200,000

Funding Sources	2018	2019	2020	2021	2022	Total
Water Utility Fund					1,200,000	1,200,000
Total					1,200,000	1,200,000

Downtown Revitalization

Total Cost \$400,000
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

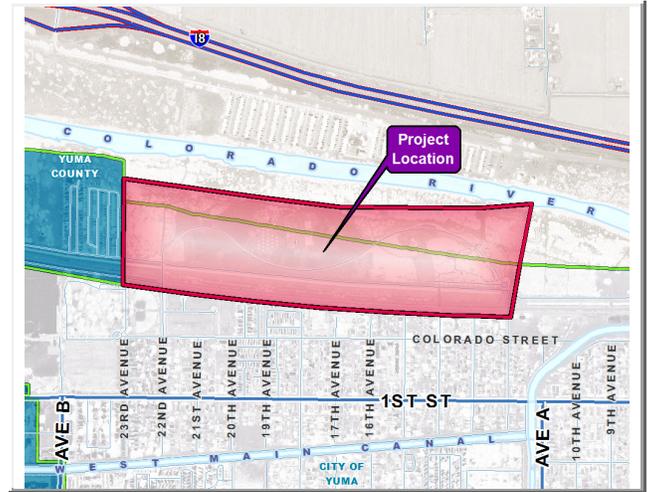
The YCNHA and the City have worked to preserve green space in the downtown, encourage new sustainable and historically-sensitive development, and promote a more livable City center. However both the City and the Heritage Area’s plans for the historic downtown focus on the economic and community development 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	2018	2019	2020	2021	2022	Total
Planning	400,000					400,000
Total	400,000					400,000

Funding Sources	2018	2019	2020	2021	2022	Total
Grant	400,000					400,000
Total	400,000					400,000

West Wetlands Lower Bench Completion

Total Cost \$85,000
Type Improvement
Progress Design Complete
Category Improvement
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 accommodate. A relatively small investment can yield considerable benefits, as restrooms and road infrastructure is already in place at West Wetlands Park.

Description

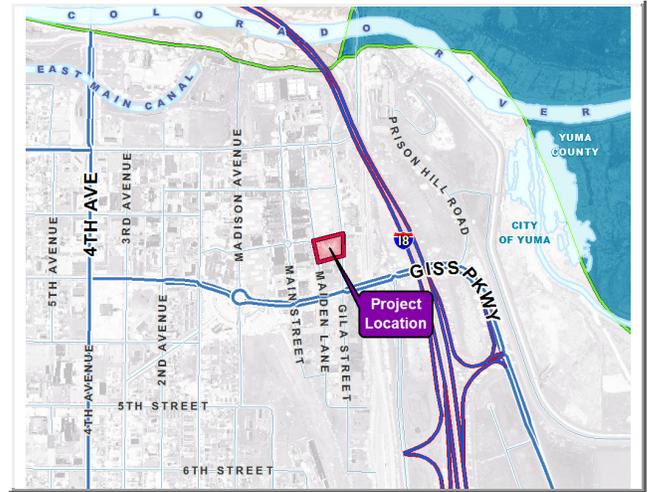
Improvements will include constructing new trail access to the main entrance of the Lower Bench and Rain Garden area, mitigate and restore new and existing trails with wooden bollards and recondition existing trails with new surfacing materials.

Expenditures	2018	2019	2020	2021	2022	Total
Construction	85,000					85,000
Total	85,000					85,000

Funding Sources	2018	2019	2020	2021	2022	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 Street between Gila Street and Maiden Lane



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	2018	2019	2020	2021	2022	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	2018	2019	2020	2021	2022	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

PROJECTS BY YEAR

Capital Improvement Program

City of Yuma, Arizona

Project Name	Department
2023	
TRT Building Collapse/Confined Space Prop	Public Safety
PS Training Facility Vehicle Shade Cover	Public Safety
8th Street & Pacific Avenue Corridor Improvements	Transportation
Avenue 3 1-2 E 32 to 40 Pavement Replacement	Transportation
28th Street - Avenue B to C Improvements	Transportation
Pacific Avenue-16th to 24th Street Pedestrian Imp	Transportation
Pacific Avenue - 28th to 32nd Street Sidewalk	Transportation
Manhole Rehabilitation/Reconstruction	Wastewater Utility
Sewer Line Replacements/Improvements	Wastewater Utility
Figueroa AWPCF Co-Gen Project	Wastewater Utility
Desert Dunes UV Modification and Improvements	Wastewater Utility
Desert Dunes WRF Solids Handling Upgrades	Wastewater Utility
Wastewater Collection System Lift Station Upgrades	Wastewater Utility
Agua Viva WTP Membrane Replacement	Water Utility
New Water Services	Water Utility
Waterline Replacement/Improvements	Water Utility
Augusta Drive - Waterline Replacement	Water Utility
Strategic Groundwater Wells and Filtration System	Water Utility
Water Main Replacement Annual Project	Water Utility
2024	
Catalina Drive - 32nd Street to 4th Avenue Paving	Transportation
Palo Verde St - Catalina Dr to Arizona Ave Paving	Transportation
Arizona Ave - Palo Verde to Country Club Dr Paving	Transportation
16th Street and Pacific Avenue Turn Lane	Transportation
Manhole Rehabilitation/Reconstruction	Wastewater Utility
Sewer Line Replacements/Improvements	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
New Water Services	Water Utility
Waterline Replacement/Improvements	Water Utility
30th Street Water Main - Avenue 6¾E 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

Project Name	Department
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
New Water Services	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
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
New Water Services	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
New Water Services	Water Utility
Waterline Replacement/Improvements	Water Utility
Water Main Replacement Annual Project	Water Utility

POTENTIAL INFRASTRUCTURE PROJECTS

Capital Improvement Program

City of Yuma, Arizona

General Government

<u>Status</u>	<u>Project Name</u>
P.I.P.	Fleet Services Maintenance Shop Phase 2
P.I.P.	CIP Software

Parks and Recreation

<u>Status</u>	<u>Project Name</u>
P.I.P.	Yuma East Athletic Park
P.I.P.	Yuma Civic Center Parking Lot Paving
P.I.P.	Avenue C½ Alignment Park - 16th to 22nd Street
P.I.P.	45th Avenue & Central Drain Stub No. 1 Linear Park
P.I.P.	South Valley Recreation Center
P.I.P.	Civic Center Roof Replacement
P.I.P.	Yuma Valley Community Park Phase 2
P.I.P.	Yuma Readiness Center Air Conditioning
P.I.P.	Riverside Park Expansion
P.I.P.	North Mesa Community Park
P.I.P.	Archery Range
P.I.P.	Trail Connection to Paradise Cove
P.I.P.	Yuma Art Center Technology Updates
P.I.P.	West Wetlands Park Upper Bench
P.I.P.	East Wetlands Park Improvements
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.	Aqua Viva Water Treatment Facility Urban Lake Park
P.I.P.	Jackrabbit Pass Park
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.	Community Pool

Public Safety

<u>Status</u>	<u>Project Name</u>
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

<u>Status</u>	<u>Project Name</u>
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

<u>Status</u>	<u>Project Name</u>
P.I.P.	16th Street - 45th Avenue to Avenue D
P.I.P.	24th Street - Park to Avenue C
P.I.P.	24th Street - Avenue B to Park
P.I.P.	24th Street - 45th Avenue 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.	4th Avenue - 32nd Street to 40th Street
P.I.P.	1st to Colorado Street-Avenue A to 23rd Ave Paving
P.I.P.	Rancho Verde Subdivision Paving
P.I.P.	Arizona Avenue - 32nd to 40th Street
P.I.P.	40th Street - Arizona Avenue to Avenue A
P.I.P.	Avenue C - 24th Street to 32nd Street
P.I.P.	South McDaniels Avenue Paving
P.I.P.	Fortuna Avenue Northend to 32nd Street Pavement
P.I.P.	Shorth Way-30th to 32nd Street Paving
P.I.P.	4th Ave to Gillapie Way & Burch Way Paving
P.I.P.	28th Street-4th to Madison Avenue Paving
P.I.P.	Fortuna Avenue-Southend to 32nd Street Paving
P.I.P.	4th Avenue-32nd Street to 40th Street Paving
P.I.P.	4th Ave-Airport Loop 40th St to 56th St Paving
P.I.P.	16th Street 45th Avenue West City Limits
P.I.P.	Maple Avenue 10th to 11th Street Paving
P.I.P.	3rd Street - 4th Avenue to Avenue A
P.I.P.	Pacific Avenue Sidewalks
P.I.P.	4th Avenue & 24th Street Improvement
P.I.P.	24th Street Right-Turn Lanes at Arizona Avenue
P.I.P.	4th Avenue and Giss Parkway Turn Lane
P.I.P.	20th Street and 45th Avenue Signal
P.I.P.	24th Street and Pacific Avenue Turn Lane
P.I.P.	16th Street and Arizona Avenue Improvements
P.I.P.	24th Street and Kennedy Lane Turn Lane
P.I.P.	20th Street and 45th Avenue Turn Lane
P.I.P.	Basin and Roadside Xeriscape
P.I.P.	Xeriscape Basins
P.I.P.	Pueblecito Pavement Replacement
P.I.P.	Meadowbrook Subdivision Paving
P.I.P.	Taylor Subdivision Paving
P.I.P.	Atmar Subdivision 1 and 2 Paving
P.I.P.	Sanguinetti Manor Subdivision Paving
P.I.P.	La Mesa Hermosa Pavement Replacement
P.I.P.	20th Place Paving
P.I.P.	San Carlos Subdivision Paving
P.I.P.	Giss Parkway/2nd Ave Roundabout 30
P.I.P.	2nd Ave/Orange Ave Roundabout 30-1
P.I.P.	12th Street-Avenue D to C
P.I.P.	12th Street and Avenue C
P.I.P.	56th Street - ASH to Ave 10E
P.I.P.	12TH Street - Pacific Avenue to Avenue 3E
P.I.P.	48th Street - Avenue 3E to 5½E
P.I.P.	32nd Street-Avenue B to Big Curve
P.I.P.	Avenue 3½E - Avenue 3E to 48th Street

P.I.P.	40th Street -Avenue 3E to Avenue 10E
P.I.P.	40TH Street - Avenue 63/4E to Avenue 8E
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 9E - 24th to 28th Street
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.	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.	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.	24th Street 16" Waterline - 8th to Arizona Avenue
P.I.P.	1st Ave. Waterline - Giss Pkwy to 12th Street
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.	24th St. Ground Storage Tank
P.I.P.	Orange Avenue Waterline - 4th St to 8th St

ALPHABETIC PROJECT INDEX"

Capital Improvement Program

City of Yuma, Arizona

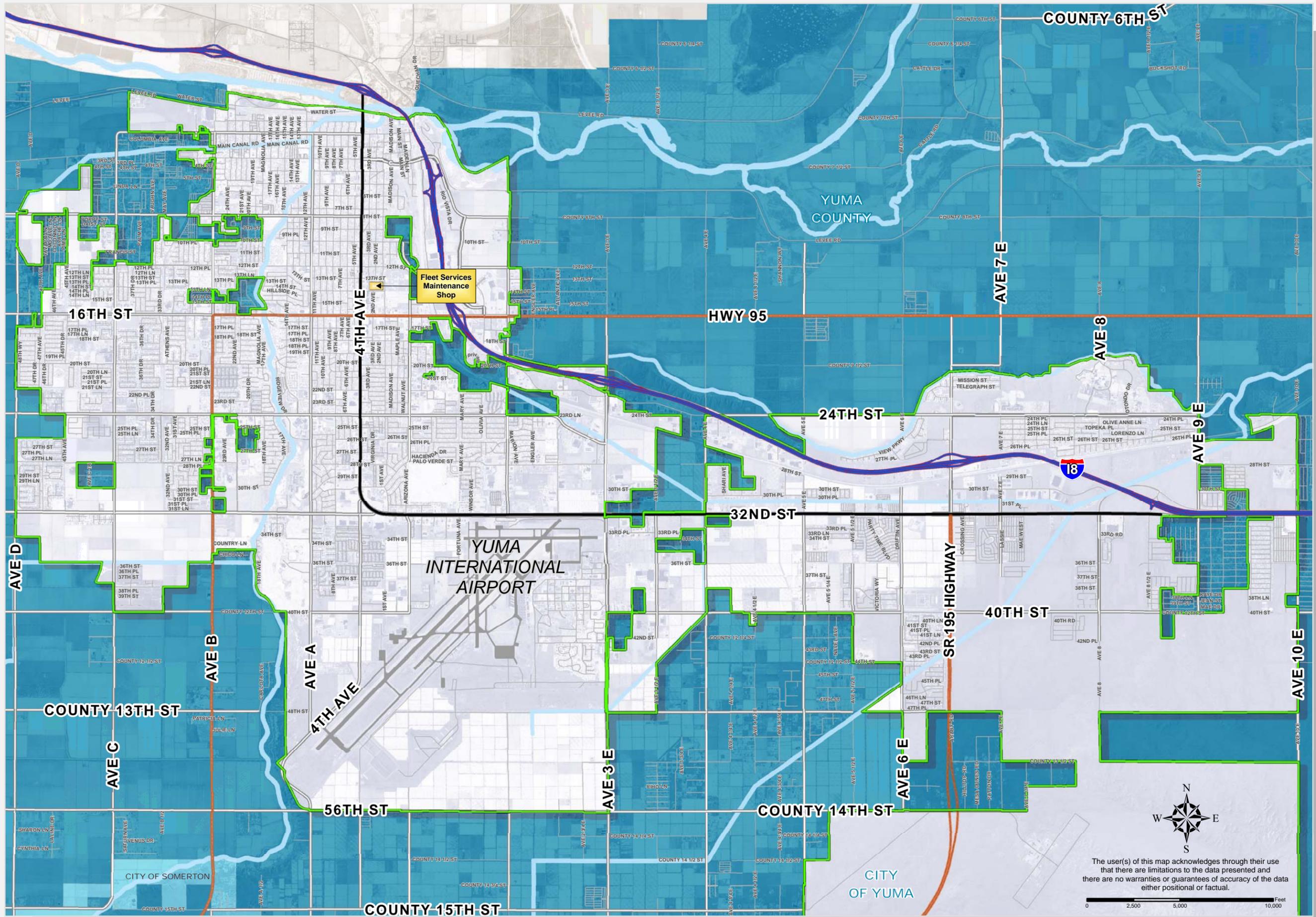
Projects	Year	Department	Page
12th Street - 21st Drive to Avenue B Paving	2021	Transportation	53
14th Avenue-12th to 16th Street Paving	2021	Transportation	54
14th Street - 1st to 4th Avenue Paving	2021	Transportation	55
16th Street - Avenue B to C Paving	2018	Transportation	26
16th Street Water Tanks Exterior Recoat	2018	Water Utility	78
18th Street and Avenue C Traffic Signal	2021	Transportation	56
1st Avenue - 12th to 16th Street Paving	2018	Transportation	27
1st Avenue - Orange Avenue to 9th Street Paving	2018	Transportation	28
22nd Street - 4th Avenue to Avenue A Paving	2018	Transportation	29
24th Street Lift Station Replacement	2018	Wastewater Utility	63
28th Street - Avenue C to 45th Avenue	2021	Transportation	57
32nd Street - Avenue B to C Paving	2020	Transportation	48
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46th Avenue Storm Drain	2018	Stormwater Control	22
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8th Street & Pacific Avenue Corridor Improvements	2021	Transportation	61
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Agua Viva WTP Membrane Replacement	2020	Water Utility	86
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Avenue 10E - 28th Street to N Frontage Road Paving	2019	Transportation	46
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Fleet Services Maintenance Shop	2018	General Government	14
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Projects	Year	Department	Page
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Loma Vista Subdivision Service Line Replacement	2022	Water Utility	89
Main Street WTP Filter System Upgrade	2018	Water Utility	80
Main Street WTP Sediment Basins Improvements	2018	Water Utility	81
Manhole Rehabilitation/Reconstruction	2018	Wastewater Utility	69
New Water Services	2018	Water Utility	82
North Frontage Road - Avenue 9E to 10E Paving	2019	Transportation	47
Pacific Avenue - Levee Rd to 8th St Share Use Path	2020	Transportation	52
Pacific Avenue Athletic Complex	2018	Parks and Recreation	16
Pavement Preservation	2018	Transportation	40
Police Storage Facility	2020	Public Safety	19
Public Safety Vehicles and Equipment	2021	Public Safety	21
Septic Waste Receiving Station	2021	Wastewater Utility	76
Sewer Line Replacement/Improvement	2018	Wastewater Utility	70
Smucker Regional Storm Drain Basin	2018	Stormwater Control	23
Stewart Vincent Wolfe Creative Playground	2018	Parks and Recreation	17
Stormwater Lift Station Upgrade	2018	Stormwater Control	24
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Capital Improvement Program

General Government

Fiscal Year 2018



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

Map-1



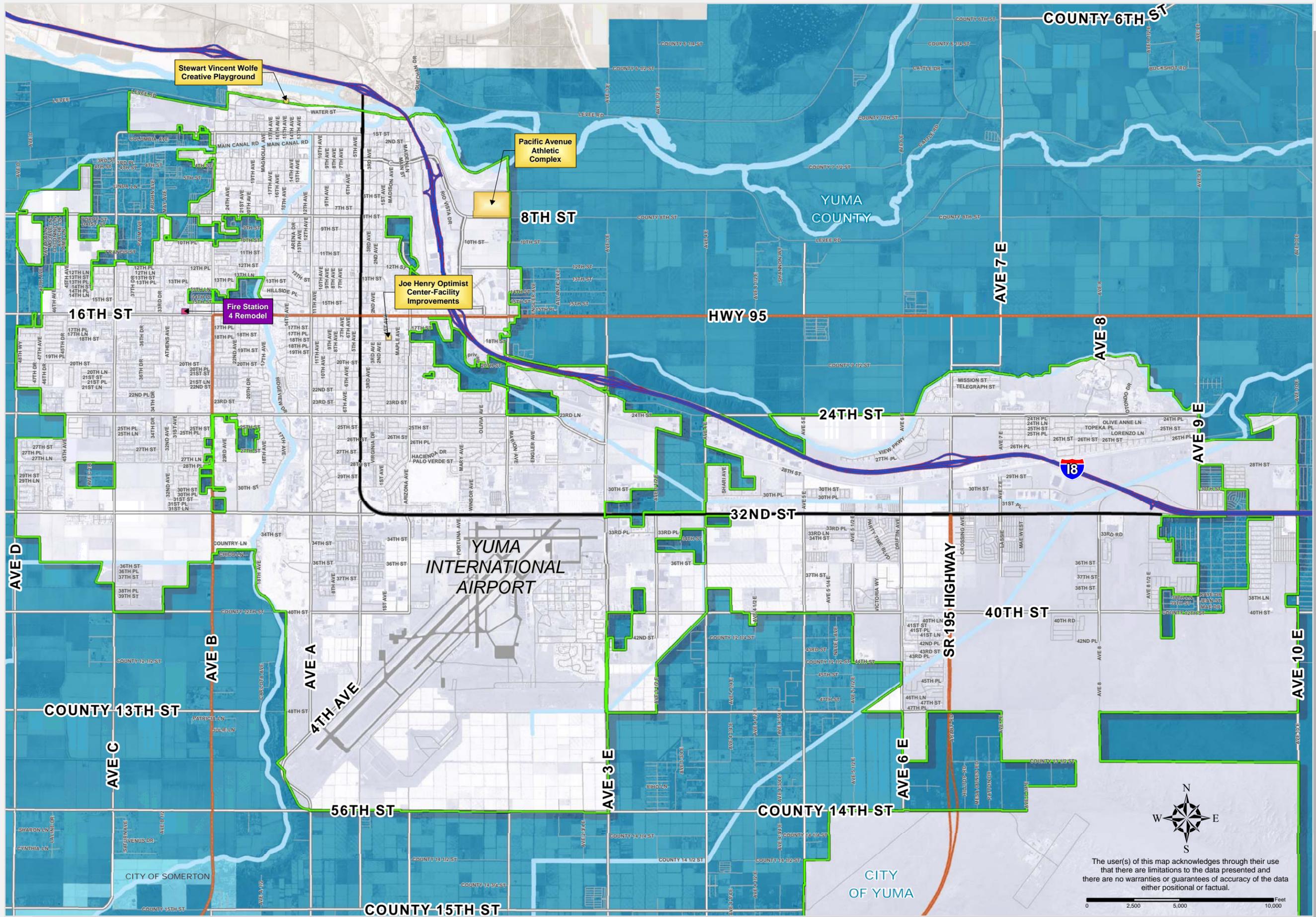
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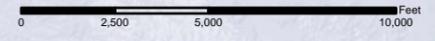
Capital Improvement Program Parks and Recreation and Public Safety Fiscal Year 2018

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

Map-2



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Capital Improvement Program Stormwater Control and Transportation Fiscal Year 2018

Transportation Projects

- Stormwater Control Projects
- City of Yuma
- Yuma County

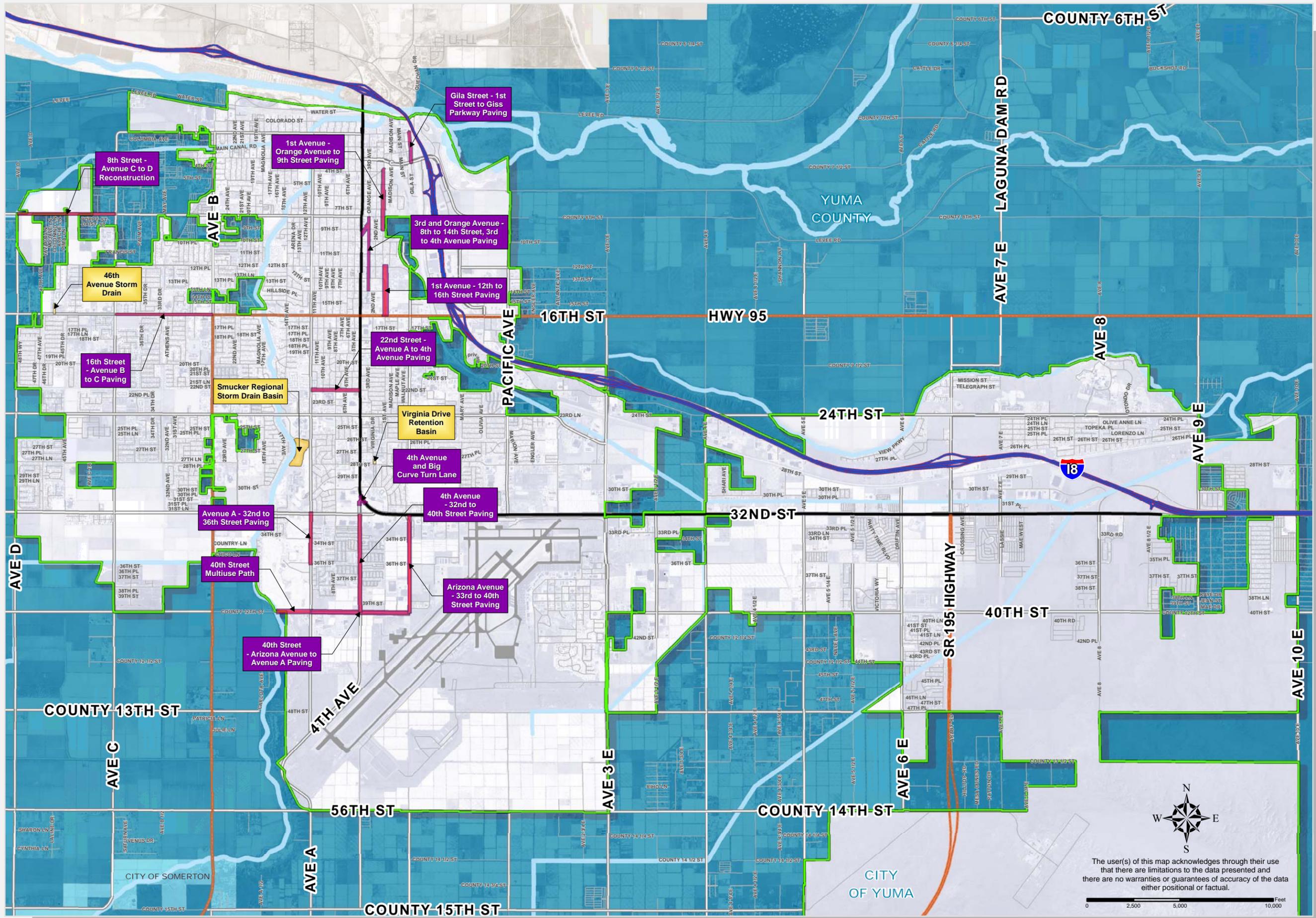
NOTE: Citywide Projects

- Citywide Safety Improvements
- Pavement Preservation Improvement
- Streetlight LED System Retrofits
- Streetlight Structural Assessment and Rep.

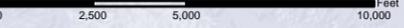
NOTE: Specific Projects

- Traffic Signals Upgrade
- Accession Conversion
- Stormwater Lift Station Upgrade

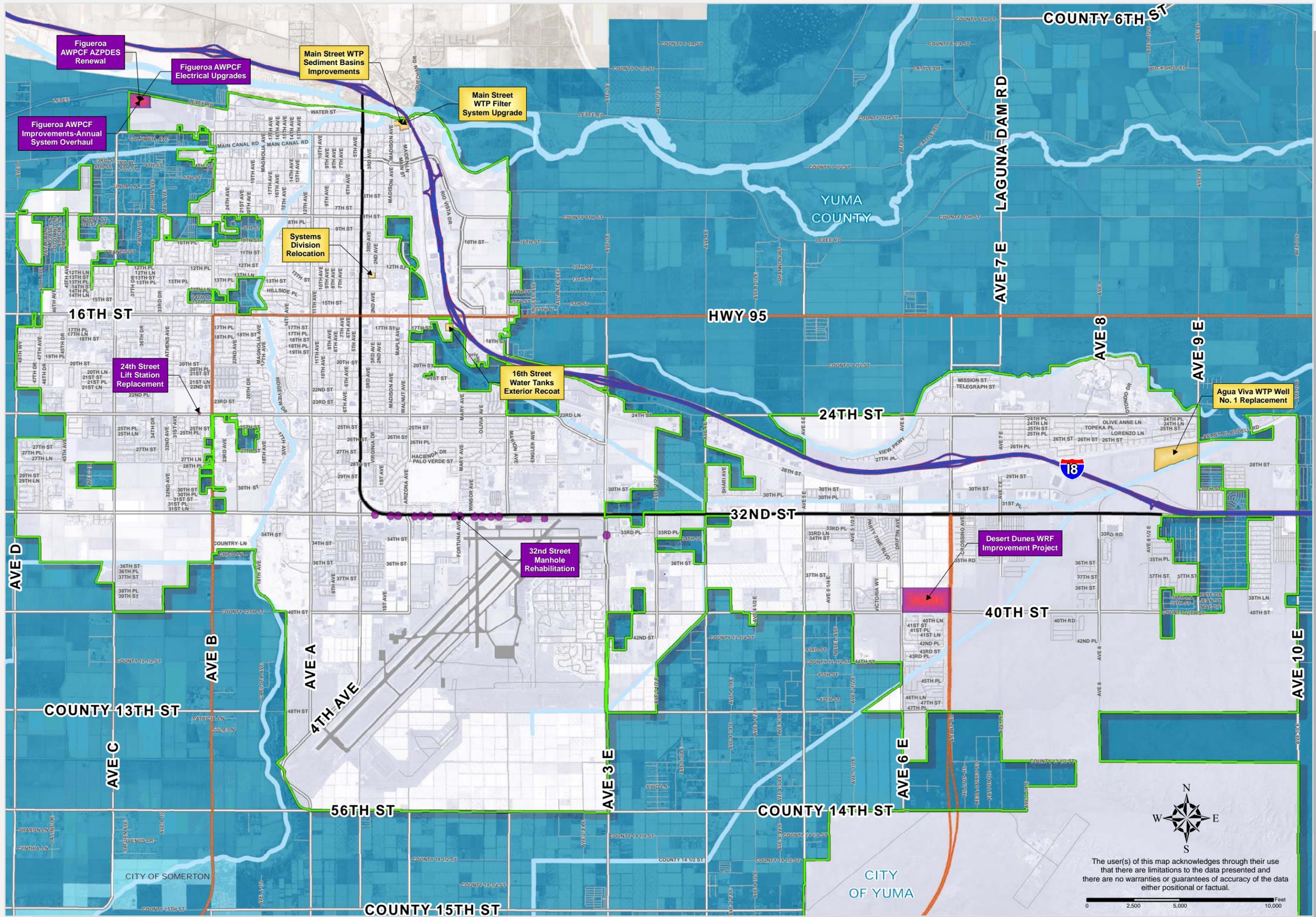
Map-3



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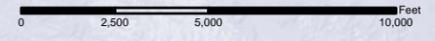
Capital Improvement Program Wastewater Utility and Water Utility Fiscal Year 2018

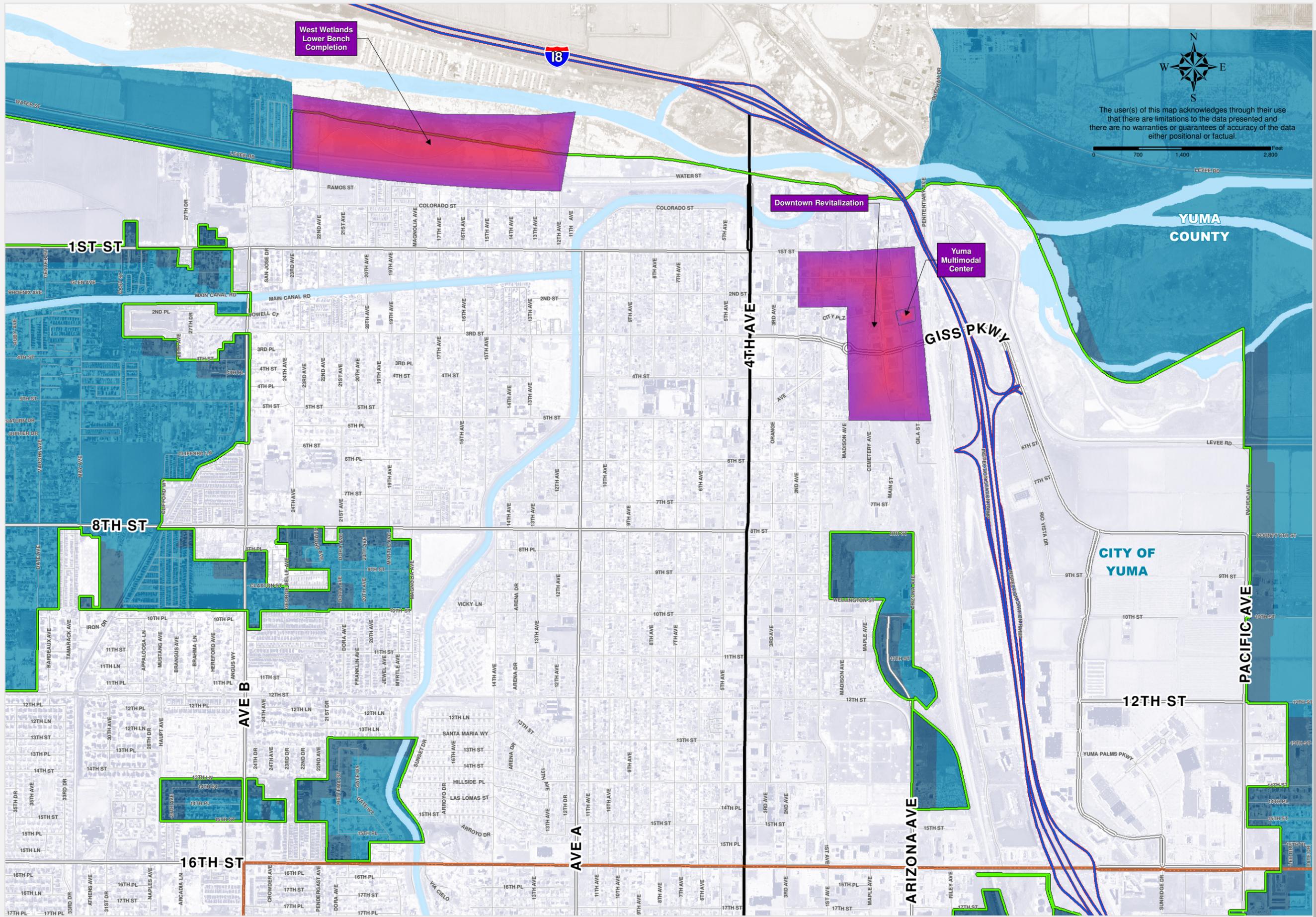


- Water Utility Projects
 - Wastewater Utility Projects
 - City of Yuma
 - Yuma County
- *NOTE: Citywide Projects
New Water Services
Waterline Replacement/Annual Project
Water Main Replacement/Reconstruction
Manhole Rehabilitation/Reconstruction
New Water Treatment Plant
Wastewater Collection System Lift Station Upgrades



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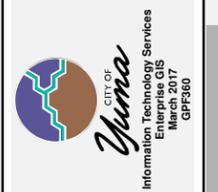




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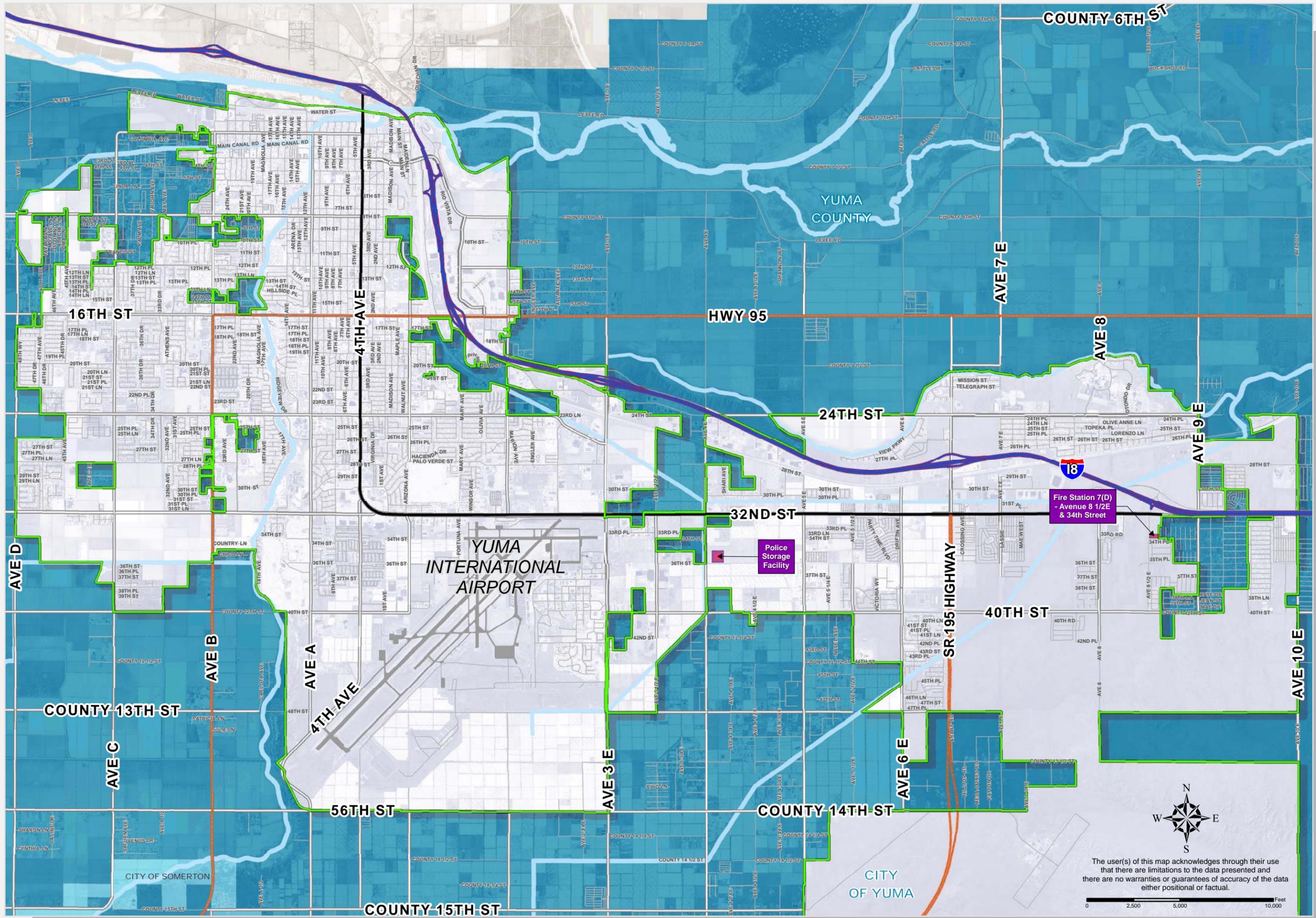


Capital Improvements Program Yuma Crossing National Heritage Area (YCNHA) Fiscal Year 2018

- Heritage Area Projects
- City of Yuma
- Yuma County

Map-5

Capital Improvement Program Public Safety Fiscal Years 2019-22



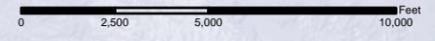
Public Safety Projects

- City of Yuma (Green Outline)
- Yuma County (Blue Outline)

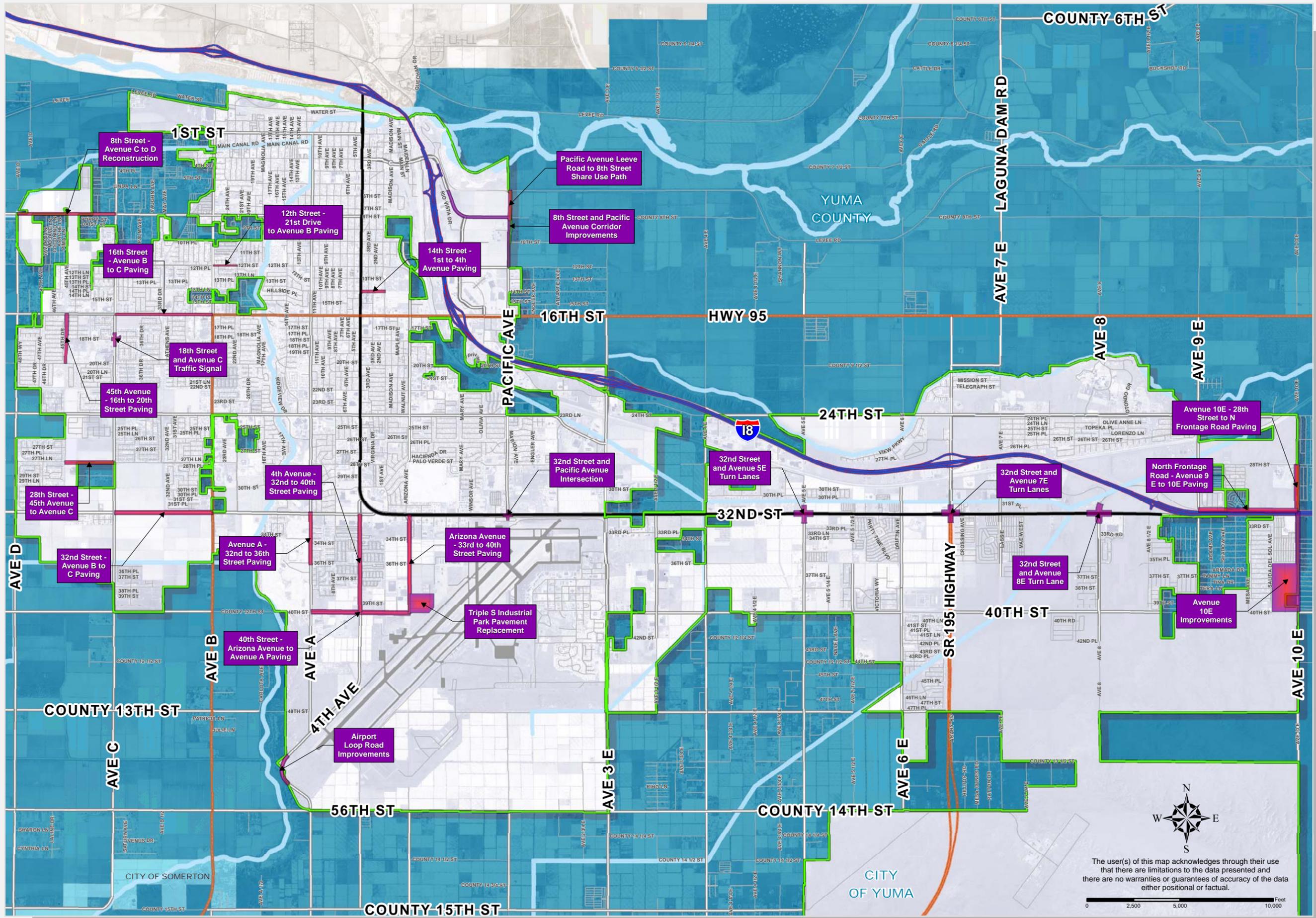
*NOTE: Citywide Projects
 Public Safety Equipment



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Capital Improvement Program Transportation Fiscal Years 2019-22

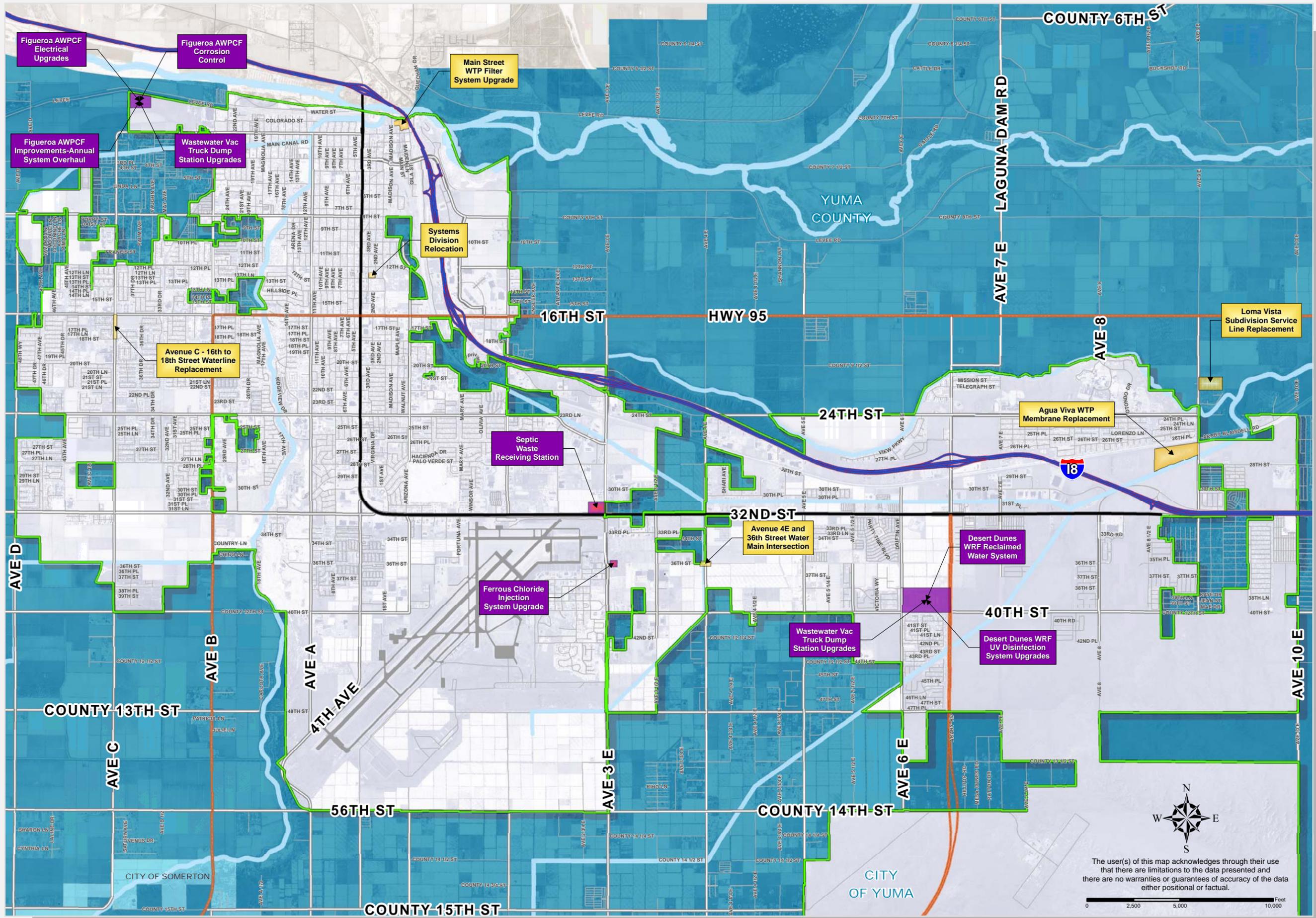


Transportation Projects
 City of Yuma
 Yuma County
*NOTE: Citywide Projects
Citywide Safety Study

Map-2

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Capital Improvement Program Wastewater and Water Utility Fiscal Years 2019-22



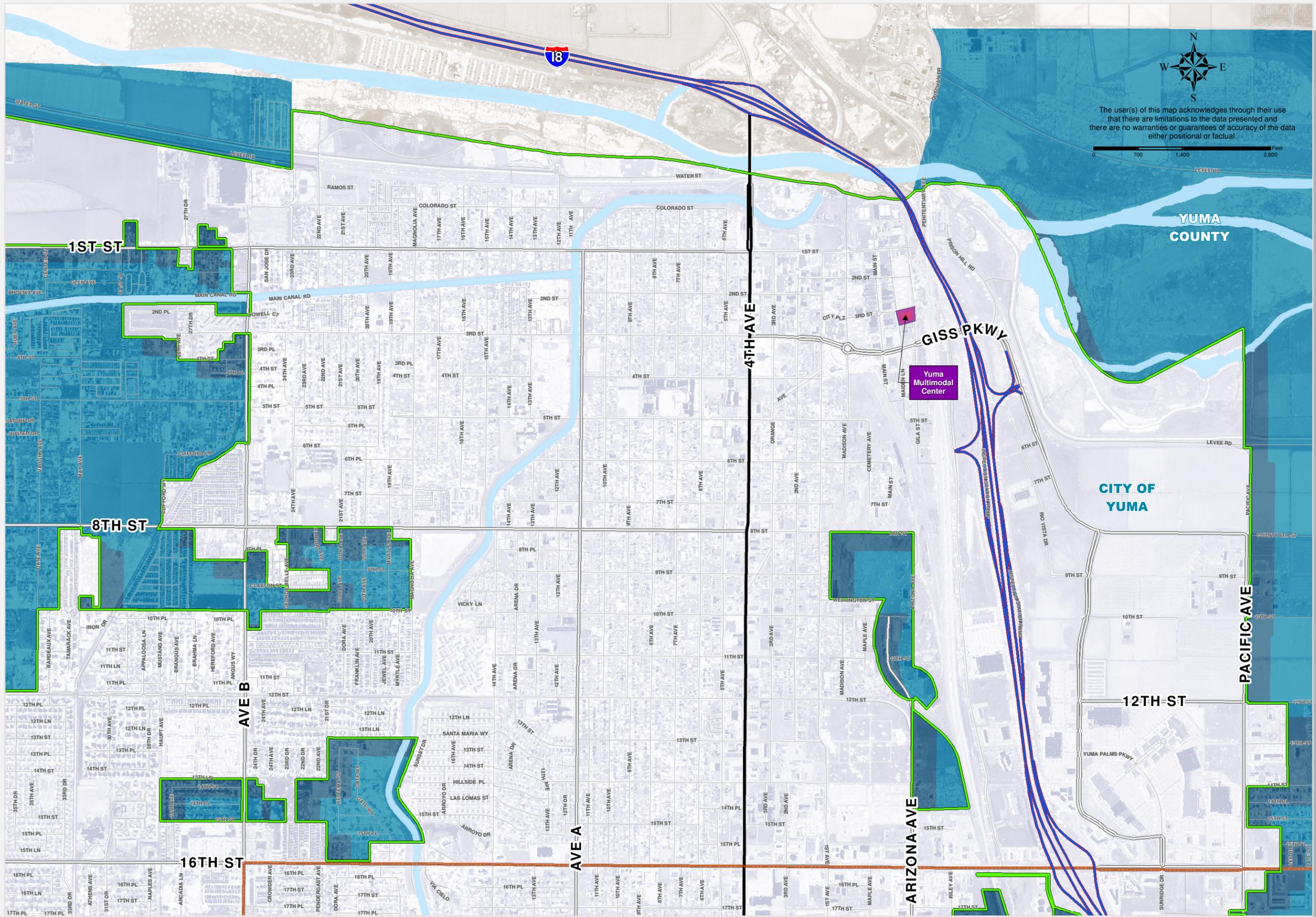
- Water Utility Projects
 - Wastewater Utility Projects
 - City of Yuma
 - Yuma County
- NOTE: Outside Projects
 New Water Services
 Strategic Groundwater Wells and Filtration System
 Membrane Replacement/Improvements
 Wastewater Treatment Plant Rehabilitation/Reconstruction
 Sewer Line Replacement/Improvements
 Wastewater Collection System Lift Station Upgrade



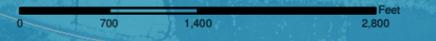
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Map-3



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Capital Improvement Program

Yuma Crossing National Heritage Area (YCNHA) Fiscal Year 2019-22

-  Heritage Area Projects
-  City of Yuma
-  Yuma County