

CITY OF
Juma

Douglas J. Nicholls
Mayor

William Craft
Deputy Mayor

Gary Knight
Councilmember

Jacob Miller
Councilmember

Michael Shelton
Councilmember

Edward C. Thomas
Councilmember

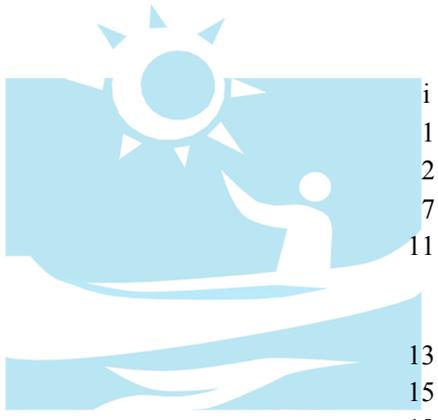
Gary Wright
Councilmember

Gregory K. Wilkinson
City Administrator

Ricky Rinehart
Deputy City Administrator

TABLE OF CONTENTS
Capital Improvement Program
City of Yuma, Arizona

Introduction	i
Department Summary	1
List of Projects and Funding by Department	2
List of Projects by Funding Source	7
Project Index by Fiscal Years and Departments	11
<u>Fiscal Year 2017 - 2021</u>	
General Government Projects	13
Parks and Recreation Projects	15
Public Safety Projects	18
Stormwater Control Projects	22
Transportation Projects	26
Wastewater Utility Projects	68
Water Utility Projects	84
Yuma Crossing National Heritage Area (YCNHA)	97
Fiscal Years 2022 through 2026	101
Potential Infrastructure Projects (PIP)	103
Alphabetic Project Index	106
Maps	



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. 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 structure, systems and facilities needed to provide services to residents such as 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 the improvement or expansion of current 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 approved the project is included in the Department's capital project schedule.

Funding Sources

Bond Funds: These are debt securities issued by the City to finance capital projects. Bond proceeds being utilized currently are from the 2007 B and D Issue, the Municipal Property Corporation (MPC) 2007 Utility Series Bond and the 2015 Issue.

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 continually pursued by City staff. Projects classified as "Grant" funded are projects that have been awarded grants. All grant funds are restricted to the purpose for which the grant is received.

Highway User Revenue Fund (HURF): This is funding accounts for gasoline taxes 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 has proposed to reinstate funding.

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

ProRata Funds: Road infrastructure and parks facilities were the two categories that Prorata fees were collected for. This funding was replaced with the citywide development fees adopted in 2006. The remaining funds are scheduled to be spent in fiscal year 2017.

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

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

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

Water Utility: Water Utility funds are not supported by tax. Revenues are generated through water sales and capacity charges. Capacity charges are paid when construction permits are issued. 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 small portion for capital projects.

Challenges

One of the City's major challenges is providing ongoing maintenance to infrastructure. Maintenance such as resurfacing streets, repair and replacing leaky roofs, is vital to the preservation of assets. A major area of concern is streets and basin maintenance. The City continues to fall behind replacing asphalt as the State continues to divert Highway User Revenue Funds (HURF). 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 the point where alternative revenues will be explored, such as increasing requests of State and Federal Funds.

The City of Yuma strives to provide the best level of service to its residence. 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	2017	2018	2019	2020	2021	Total
General Government	9,920,000					9,920,000
Parks and Recreation	13,725,000					13,725,000
Public Safety	50,000		1,000,000	2,000,000	3,235,350	6,285,350
Stormwater Control	1,467,000					1,467,000
Transportation	13,511,500	3,714,500	2,912,700	3,848,000	3,450,504	27,437,204
Wastewater Utility	5,676,000	4,025,000	4,200,000	3,400,000	3,300,000	20,601,000
Water Utility	6,285,000	2,755,000	5,400,000	4,245,000	4,505,000	23,190,000
YCNHA	2,528,000	1,157,000	15,000,000			18,685,000
TOTAL	53,162,500	11,651,500	28,512,700	13,493,000	14,490,854	121,310,554

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Capital Improvement Program

City of Yuma, Arizona

Department	2017	2018	2019	2020	2021	Total
General Government						
Fleet Services Maintenance Shop	9,795,000					9,795,000
Bond - 2015 Issue	9,500,000					9,500,000
Development Fee - Public Works	65,000					65,000
Development Fee - Solid Waste	230,000					230,000
Joint Land Use Study	125,000					125,000
Grant	125,000					125,000
General Government Total	9,920,000					9,920,000
Parks and Recreation						
Civic Center Sunset Terrace Expansion	75,000					75,000
Development Fee - Arts & Culture	75,000					75,000
Pacific Avenue Athletic Complex	13,600,000					13,600,000
Bond - 2015 Issue	12,430,000					12,430,000
Development Fee - Parks	1,170,000					1,170,000
Stewart Vincent Wolf Creative Playground	50,000					50,000
Two Percent Tax	50,000					50,000
Parks and Recreation Total	13,725,000					13,725,000
Public Safety						
Police Station Parking Garage Repairs	50,000					50,000
Public Safety Tax Fund	50,000					50,000
Fire Station 4 Remodel			1,000,000			1,000,000
Public Safety Tax Fund			1,000,000			1,000,000
Police Storage Facility				2,000,000		2,000,000
Public Safety Tax Fund				2,000,000		2,000,000
Fire Station 7(D) - Avenue 8½E & 34th Street					3,235,350	3,235,350
Development Fee - Fire					1,815,350	1,815,350
Public Safety Tax Fund					1,420,000	1,420,000
Public Safety Total	50,000		1,000,000	2,000,000	3,235,350	6,285,350
Stormwater Control						
46th Avenue Storm Drain	97,000					97,000
City Road Tax	97,000					97,000
Smucker Regional Storm Drain Basin	1,050,000					1,050,000
City Road Tax	1,050,000					1,050,000
Stormwater Lift Station Upgrades	140,000					140,000
City Road Tax	140,000					140,000
Sunset Terrace Storm Drain	180,000					180,000
Other - Proposed	180,000					180,000

Department	2017	2018	2019	2020	2021	Total
Stormwater Control Total	1,467,000					1,467,000
Transportation						
16th Street - Maple to 1st Avenue Turn Lane	15,000	115,000				130,000
City Road Tax	15,000	115,000				130,000
16th Street & 4th Avenue Intersection Improvements	7,250,000					7,250,000
Bond - Transportation	830,000					830,000
Bond - Water	1,000,000					1,000,000
City Road Tax	2,550,000					2,550,000
Development Fee - Transportation	2,600,000					2,600,000
Wastewater Utility Fund	270,000					270,000
1st Avenue - 12th to 16th Street Paving	140,000	1,280,000				1,420,000
City Road Tax	30,000	290,000				320,000
Wastewater Utility Fund	50,000	450,000				500,000
Water Utility Fund	60,000	540,000				600,000
1st Avenue - 24th to 26th Street Paving	545,000					545,000
City Road Tax	300,000					300,000
Wastewater Utility Fund	55,000					55,000
Water Utility Fund	190,000					190,000
1st Avenue - Orange Avenue to 9th Street Paving	40,000	450,000				490,000
City Road Tax	40,000	450,000				490,000
22nd Street - Avenue A to 4th Avenue Paving	830,000					830,000
Bond - Water	260,000					260,000
City Road Tax	570,000					570,000
24th Street - Avenue B to C Improvements	2,575,000					2,575,000
City Road Tax	890,000					890,000
ProRata Fund	1,685,000					1,685,000
32nd Street Pavement Preservation	50,500					50,500
Bond - Transportation	50,500					50,500
3rd and Orange Avenue-8th to 14th Street, 3rd to 4th Avenue Paving	90,000	960,000				1,050,000
City Road Tax	60,000	640,000				700,000
Water Utility Fund	30,000	320,000				350,000
40th Street Multiuse Path	190,000					190,000
City Road Tax	190,000					190,000
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
56th Street Pavement Overlay	50,000					50,000
City Road Tax	50,000					50,000
Arizona Ave - Palo Verde to Country Club Dr Paving	315,000					315,000
Highway Users Revenue Fund	315,000					315,000
Avenue 9E Railroad Crossing Quiet Zone	65,000					65,000
City Road Tax	65,000					65,000
Catalina Drive - 32nd Street to 4th Avenue Paving	325,000					325,000
Highway Users Revenue Fund	325,000					325,000
Citywide Safety Improvements	25,000	140,000	140,000	140,000	140,000	585,000
City Road Tax	25,000	140,000	140,000	140,000	140,000	585,000
Gila Street - 1st Street to Giss Parkway Paving	201,000					201,000
Highway Users Revenue Fund	201,000					201,000
Palo Verde St - Catalina Dr to Arizona Ave Paving	309,000					309,000

Department	2017	2018	2019	2020	2021	Total
Highway Users Revenue Fund	309,000					309,000
Rancho Verde Subdivision Paving	30,000	303,500				333,500
City Road Tax	30,000	303,500				333,500
South Frontage Road - Avenue 9½E to Avenue 10E	167,000					167,000
Bond - Transportation	167,000					167,000
Traffic Signals Upgrade	29,000	261,000				290,000
City Road Tax	29,000	261,000				290,000
West Main Canal Multi-Use Path	30,000					30,000
City Road Tax	30,000					30,000
Avenue 10E Improvements		205,000				205,000
City Road Tax		94,500				94,500
Development Fee - Transportation		40,500				40,500
Water Utility Fund		70,000				70,000
14th Street - 1st to 4th Avenue Paving			213,500			213,500
City Road Tax			213,500			213,500
16th Street - Avenue B to C Paving			427,500			427,500
City Road Tax			427,500			427,500
16th Street and Pacific Avenue Turn Lane			350,000			350,000
City Road Tax			350,000			350,000
18th Street and Avenue C Traffic Signal			371,700			371,700
City Road Tax			195,000			195,000
Development Fee - Transportation			51,700			51,700
Other - Proposed			125,000			125,000
24th Street and 1st Avenue Turn Lane			728,000			728,000
City Road Tax			533,000			533,000
Development Fee - Transportation			195,000			195,000
Airport Loop Road Improvements			240,000			240,000
City Road Tax			240,000			240,000
South McDaniels Avenue Paving			92,000			92,000
City Road Tax			92,000			92,000
Taylor Subdivision Paving			350,000			350,000
City Road Tax			350,000			350,000
12th Street - 21st Drive to Avenue B Paving				112,000		112,000
City Road Tax				112,000		112,000
28th Street - Avenue B to C Improvements				1,580,000		1,580,000
City Road Tax				202,000		202,000
Development Fee - Transportation				1,378,000		1,378,000
Atmar Subdivision 1 and 2 Paving				390,000		390,000
City Road Tax				390,000		390,000
Avenue A - 32nd to 36th Street Paving				444,000		444,000
City Road Tax				444,000		444,000
San Carlos Subdivision Paving				312,000		312,000
City Road Tax				312,000		312,000
Sanguinetti Manor Subdivision Paving				870,000		870,000
City Road Tax				870,000		870,000
1st to Colorado Street-Avenue A to 23rd Ave Paving					1,990,000	1,990,000
City Road Tax					1,990,000	1,990,000
20th Place Paving					55,000	55,000
City Road Tax					55,000	55,000
32nd Street and Avenue 8E Turn Lane					203,000	203,000

Department	2017	2018	2019	2020	2021	Total
City Road Tax					162,400	162,400
Development Fee - Transportation					40,600	40,600
Meadowbrook Subdivision Paving					560,504	560,504
City Road Tax					560,504	560,504
Triple S Industrial Park Paving					502,000	502,000
City Road Tax					502,000	502,000
Transportation Total	13,511,500	3,714,500	2,912,700	3,848,000	3,450,504	27,437,204

Wastewater Utility

24th Street Lift Station Replacement	780,000					780,000
Wastewater Utility Fund	780,000					780,000
32nd Street Manhole Rehabilitation	700,000	325,000				1,025,000
Wastewater Utility Fund	700,000	325,000				1,025,000
Desert Dunes Improvement Project	475,000					475,000
Wastewater Utility Fund	475,000					475,000
Figueroa AWPCF AZPDES Renewal	200,000					200,000
Wastewater Utility Fund	200,000					200,000
Figueroa AWPCF Bar Screen Replacement	1,086,000					1,086,000
Wastewater Utility Fund	1,086,000					1,086,000
Figueroa AWPCF Biosolids Dewatering Process	575,000					575,000
Wastewater Utility Fund	575,000					575,000
Figueroa AWPCF Electrical Upgrades	480,000	3,000,000	3,500,000			6,980,000
Wastewater Utility Fund	480,000	3,000,000	3,500,000			6,980,000
Figueroa AWPCF On-Site Manhole Replacement	680,000					680,000
Wastewater Utility Fund	680,000					680,000
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				1,200,000		1,200,000
Other - Proposed				1,020,000		1,020,000
Wastewater Utility Fund				180,000		180,000
Ferrous Chloride Injection System Upgrade				1,500,000		1,500,000
Wastewater Utility Fund				1,500,000		1,500,000
Desert Dunes WRF UV Disinfection System Upgrades					1,200,000	1,200,000
Wastewater Utility Fund					1,200,000	1,200,000
Figueroa AWPCF Corrosion Control					1,300,000	1,300,000
Other - Proposed					1,200,000	1,200,000
Wastewater Utility Fund					100,000	100,000
Septic Waste Receiving Station					100,000	100,000
Wastewater Utility Fund					100,000	100,000
Wastewater Utility Total	5,676,000	4,025,000	4,200,000	3,400,000	3,300,000	20,601,000

Water Utility

16th Street Water Tanks Exterior Recoat	780,000					780,000
Water Utility Fund	780,000					780,000

Department	2017	2018	2019	2020	2021	Total
Agua Viva Well No. 1 Replacement	70,000	1,000,000				1,070,000
Other - Proposed		1,000,000				1,000,000
Water Utility Fund	70,000					70,000
Main Street WTP Filter System Upgrade	2,400,000		2,400,000		2,400,000	7,200,000
Water Utility Fund	2,400,000		2,400,000		2,400,000	7,200,000
Main Street WTP Sediment Basins Improvements	40,000	360,000				400,000
Water Utility Fund	40,000	360,000				400,000
New Water Services	35,000	45,000	50,000	55,000	55,000	240,000
Water Utility Fund	35,000	45,000	50,000	55,000	55,000	240,000
Pecan Grove Neighborhood Waterline Replacement	960,000					960,000
Bond - Water	960,000					960,000
Systems Division Relocation	100,000	100,000	1,700,000			1,900,000
Wastewater Utility Fund	50,000	50,000	850,000			950,000
Water Utility Fund	50,000	50,000	850,000			950,000
Water Main Replacement Annual Project	1,650,000	1,000,000	1,000,000	1,500,000	1,500,000	6,650,000
Bond - Water	1,650,000					1,650,000
Water Utility Fund		1,000,000	1,000,000	1,500,000	1,500,000	5,000,000
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 Membrane Replacement				300,000	300,000	600,000
Water Utility Fund				300,000	300,000	600,000
Avenue 4E and 36th Street Water Main Intersection				250,000		250,000
Water Utility Fund				250,000		250,000
Avenue C - 16th to 18th Street Waterline				400,000		400,000
Water Utility Fund				400,000		400,000
TTHM Air Stripping Tank System				1,490,000		1,490,000
Water Utility Fund				1,490,000		1,490,000
Water Utility Total	6,285,000	2,755,000	5,400,000	4,245,000	4,505,000	23,190,000
YCNHA						
Downtown Revitalization	400,000					400,000
Grant	400,000					400,000
Fourth Avenue Gateway	787,000					787,000
Grant	632,000					632,000
Highway Users Revenue Fund	155,000					155,000
West Wetlands Lower Bench Completion	135,000					135,000
Bond - General	50,000					50,000
Grant	85,000					85,000
Yuma Multimodal Center	1,206,000	1,157,000	15,000,000			17,363,000
Grant	964,800	925,488				1,890,288
Other - Proposed			15,000,000			15,000,000
Two Percent Tax	241,200	231,512				472,712
YCNHA Total	2,528,000	1,157,000	15,000,000			18,685,000
GRAND TOTAL	53,162,500	11,651,500	28,512,700	13,493,000	14,490,854	121,310,554

PROJECTS BY FUNDING SOURCE

Capital Improvement Program

City of Yuma, Arizona

Source	2017	2018	2019	2020	2021	Total
Bond - 2015 Issue						
Fleet Services Maintenance Shop	9,500,000					9,500,000
Pacific Avenue Athletic Complex	12,430,000					12,430,000
Bond - 2015 Issue Total	21,930,000					21,930,000
Bond - General						
West Wetlands Lower Bench Completion	50,000					50,000
Bond - General Total	50,000					50,000
Bond - Transportation						
16th Street & 4th Avenue Intersection Improvements	830,000					830,000
32nd Street Pavement Preservation	50,500					50,500
South Frontage Road - Avenue 9½E to Avenue 10E	167,000					167,000
Bond - Transportation Total	1,047,500					1,047,500
Bond - Water						
16th Street & 4th Avenue Intersection Improvements	1,000,000					1,000,000
22nd Street - Avenue A to 4th Avenue Paving	260,000					260,000
Pecan Grove Neighborhood Waterline Replacement	960,000					960,000
Water Main Replacement Annual Project	1,650,000					1,650,000
Waterline Replacement/Improvements	250,000					250,000
Bond - Water Total	4,120,000					4,120,000
City Road Tax						
16th Street - Maple to 1st Avenue Turn Lane	15,000	115,000				130,000
16th Street & 4th Avenue Intersection Improvements	2,550,000					2,550,000
1st Avenue - 12th to 16th Street Paving	30,000	290,000				320,000
1st Avenue - 24th to 26th Street Paving	300,000					300,000
1st Avenue - Orange Avenue to 9th Street Paving	40,000	450,000				490,000
22nd Street - Avenue A to 4th Avenue Paving	570,000					570,000
24th Street - Avenue B to C Improvements	890,000					890,000
3rd and Orange Avenue-8th to 14th Street, 3rd to 4th Avenue Paving	60,000	640,000				700,000
40th Street Multiuse Path	190,000					190,000
46th Avenue Storm Drain	97,000					97,000
4th Avenue and Big Curve Turn Lane	190,000					190,000
56th Street Pavement Overlay	50,000					50,000
Avenue 9E Railroad Crossing Quiet Zone	65,000					65,000
Citywide Safety Improvements	25,000	140,000	140,000	140,000	140,000	585,000
Rancho Verde Subdivision Paving	30,000	303,500				333,500
Smucker Regional Storm Drain Basin	1,050,000					1,050,000
Stormwater Lift Station Upgrades	140,000					140,000
Traffic Signals Upgrade	29,000	261,000				290,000

Source	2017	2018	2019	2020	2021	Total
West Main Canal Multi-Use Path	30,000					30,000
Avenue 10E Improvements		94,500				94,500
14th Street - 1st to 4th Avenue Paving			213,500			213,500
16th Street - Avenue B to C Paving			427,500			427,500
16th Street and Pacific Avenue Turn Lane			350,000			350,000
18th Street and Avenue C Traffic Signal			195,000			195,000
24th Street and 1st Avenue Turn Lane			533,000			533,000
Airport Loop Road Improvements			240,000			240,000
South McDaniels Avenue Paving			92,000			92,000
Taylor Subdivision Paving			350,000			350,000
12th Street - 21st Drive to Avenue B Paving				112,000		112,000
28th Street - Avenue B to C Improvements				202,000		202,000
Atmar Subdivision 1 and 2 Paving				390,000		390,000
Avenue A - 32nd to 36th Street Paving				444,000		444,000
San Carlos Subdivision Paving				312,000		312,000
Sanguinetti Manor Subdivision Paving				870,000		870,000
1st to Colorado Street-Avenue A to 23rd Ave Paving					1,990,000	1,990,000
20th Place Paving					55,000	55,000
32nd Street and Avenue 8E Turn Lane					162,400	162,400
Meadowbrook Subdivision Paving					560,504	560,504
Triple S Industrial Park Paving					502,000	502,000
City Road Tax Total	6,351,000	2,294,000	2,541,000	2,470,000	3,409,904	17,065,904
Development Fee - Arts & Culture						
Civic Center Sunset Terrace Expansion	75,000					75,000
Development Fee - Arts & Culture Total	75,000					75,000
Development Fee - Fire						
Fire Station 7(D) - Avenue 8½E & 34th Street				1,815,350		1,815,350
Development Fee - Fire Total				1,815,350		1,815,350
Development Fee - Parks						
Pacific Avenue Athletic Complex	1,170,000					1,170,000
Development Fee - Parks Total	1,170,000					1,170,000
Development Fee - Public Works						
Fleet Services Maintenance Shop	65,000					65,000
Development Fee - Public Works Total	65,000					65,000
Development Fee - Solid Waste						
Fleet Services Maintenance Shop	230,000					230,000
Development Fee - Solid Waste Total	230,000					230,000
Development Fee - Transportation						
16th Street & 4th Avenue Intersection Improvements	2,600,000					2,600,000
4th Avenue and Big Curve Turn Lane	50,000					50,000

Source	2017	2018	2019	2020	2021	Total
Avenue 10E Improvements		40,500				40,500
18th Street and Avenue C Traffic Signal			51,700			51,700
24th Street and 1st Avenue Turn Lane			195,000			195,000
28th Street - Avenue B to C Improvements				1,378,000		1,378,000
32nd Street and Avenue 8E Turn Lane					40,600	40,600
Development Fee - Transportation Total	2,650,000	40,500	246,700	1,378,000	40,600	4,355,800
Grant						
Downtown Revitalization	400,000					400,000
Fourth Avenue Gateway	632,000					632,000
Joint Land Use Study	125,000					125,000
West Wetlands Lower Bench Completion	85,000					85,000
Yuma Multimodal Center	964,800	925,488				1,890,288
Grant Total	2,206,800	925,488				3,132,288
Highway Users Revenue Fund						
Arizona Ave - Palo Verde to Country Club Dr Paving	315,000					315,000
Catalina Drive - 32nd Street to 4th Avenue Paving	325,000					325,000
Fourth Avenue Gateway	155,000					155,000
Gila Street - 1st Street to Giss Parkway Paving	201,000					201,000
Palo Verde St - Catalina Dr to Arizona Ave Paving	309,000					309,000
Highway Users Revenue Fund Total	1,305,000					1,305,000
Other - Proposed						
Sunset Terrace Storm Drain	180,000					180,000
Agua Viva Well No. 1 Replacement		1,000,000				1,000,000
18th Street and Avenue C Traffic Signal			125,000			125,000
Yuma Multimodal Center			15,000,000			15,000,000
Desert Dunes WRF Reclaimed Water System				1,020,000		1,020,000
Figueroa AWPCF Corrosion Control					1,200,000	1,200,000
Other - Proposed Total	180,000	1,000,000	15,125,000	1,020,000	1,200,000	18,525,000
ProRata Fund						
24th Street - Avenue B to C Improvements	1,685,000					1,685,000
ProRata Fund Total	1,685,000					1,685,000
Public Safety Tax Fund						
Police Station Parking Garage Repairs	50,000					50,000
Fire Station 4 Remodel			1,000,000			1,000,000
Police Storage Facility				2,000,000		2,000,000
Fire Station 7(D) - Avenue 8½E & 34th Street					1,420,000	1,420,000
Public Safety Tax Fund Total	50,000		1,000,000	2,000,000	1,420,000	4,470,000
Two Percent Tax						
Stewart Vincent Wolf Creative Playground	50,000					50,000
Yuma Multimodal Center	241,200	231,512				472,712

Source	2017	2018	2019	2020	2021	Total
Two Percent Tax Total	291,200	231,512				522,712
Wastewater Utility Fund						
16th Street & 4th Avenue Intersection Improvements	270,000					270,000
1st Avenue - 12th to 16th Street Paving	50,000	450,000				500,000
1st Avenue - 24th to 26th Street Paving	55,000					55,000
24th Street Lift Station Replacement	780,000					780,000
32nd Street Manhole Rehabilitation	700,000	325,000				1,025,000
Desert Dunes Improvement Project	475,000					475,000
Figueroa AWPCF AZPDES Renewal	200,000					200,000
Figueroa AWPCF Bar Screen Replacement	1,086,000					1,086,000
Figueroa AWPCF Biosolids Dewatering Process	575,000					575,000
Figueroa AWPCF Electrical Upgrades	480,000	3,000,000	3,500,000			6,980,000
Figueroa AWPCF On-Site Manhole Replacement	680,000					680,000
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	50,000	50,000	850,000			950,000
Wastewater Collection System Lift Station Upgrade	300,000	300,000	300,000	300,000	300,000	1,500,000
Desert Dunes WRF Reclaimed Water System				180,000		180,000
Ferrous Chloride Injection System Upgrade				1,500,000		1,500,000
Desert Dunes WRF UV Disinfection System Upgrades					1,200,000	1,200,000
Figueroa AWPCF Corrosion Control					100,000	100,000
Septic Waste Receiving Station					100,000	100,000
Wastewater Utility Fund Total	6,101,000	4,525,000	5,050,000	2,380,000	2,100,000	20,156,000
Water Utility Fund						
16th Street Water Tanks Exterior Recoat	780,000					780,000
1st Avenue - 12th to 16th Street Paving	60,000	540,000				600,000
1st Avenue - 24th to 26th Street Paving	190,000					190,000
3rd and Orange Avenue-8th to 14th Street, 3rd to 4th Avenue Paving	30,000	320,000				350,000
Agua Viva Well No. 1 Replacement	70,000					70,000
Main Street WTP Filter System Upgrade	2,400,000		2,400,000		2,400,000	7,200,000
Main Street WTP Sediment Basins Improvements	40,000	360,000				400,000
New Water Services	35,000	45,000	50,000	55,000	55,000	240,000
Systems Division Relocation	50,000	50,000	850,000			950,000
Avenue 10E Improvements		70,000				70,000
Water Main Replacement Annual Project		1,000,000	1,000,000	1,500,000	1,500,000	5,000,000
Waterline Replacement/Improvements		250,000	250,000	250,000	250,000	1,000,000
Agua Viva Membrane Replacement				300,000	300,000	600,000
Avenue 4E and 36th Street Water Main Intersection				250,000		250,000
Avenue C - 16th to 18th Street Waterline				400,000		400,000
TTHM Air Stripping Tank System				1,490,000		1,490,000
Water Utility Fund Total	3,655,000	2,635,000	4,550,000	4,245,000	4,505,000	19,590,000
GRAND TOTAL	53,162,500	11,651,500	28,512,700	13,493,000	14,490,854	121,310,554

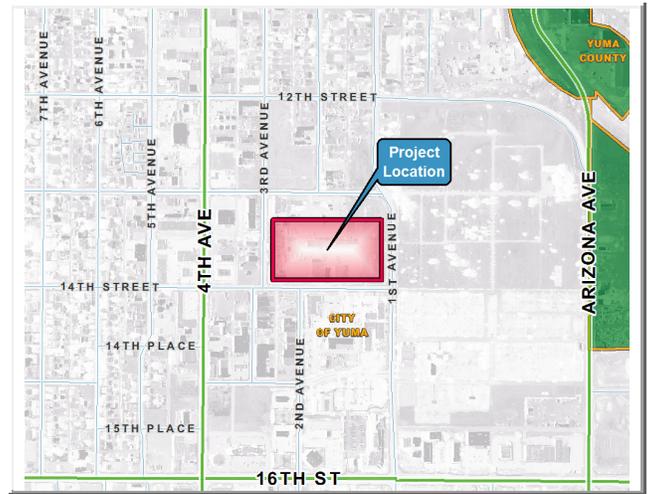
PROJECT INDEX
Capital Improvement Program
City of Yuma, Arizona

Projects	Year	Department	Page
Fleet Services Maintenance Shop	2017	General Government	13
Joint Land Use Study	2017	General Government	14
Civic Center Sunset Terrace Expansion	2017	Parks and Recreation	15
Pacific Avenue Athletic Complex	2017	Parks and Recreation	16
Stewart Vincent Wolfe Creative Playground	2017	Parks and Recreation	17
Police Station Parking Garage Repairs	2017	Public Safety	18
Fire Station 4 Remodel	2019	Public Safety	19
Police Storage Facility	2020	Public Safety	20
Fire Station 7	2021	Public Safety	21
46th Avenue Storm Drain	2017	Stormwater Control	22
Smucker Regional Storm Drain Basin	2017	Stormwater Control	23
Storm Water Lift Station Upgrade	2017	Stormwater Control	24
Sunset Terrace Storm Drain	2017	Stormwater Control	25
16th Street - Maple to 1st Avenue Turn Lane	2017	Transportation	26
16th Street & 4th Avenue Intersection Improvements	2017	Transportation	27
1st Avenue - 12th to 16th Street Paving	2017	Transportation	28
1st Avenue - 24th to 26th Street Paving	2017	Transportation	29
1st Avenue - Orange Avenue to 9th Street Paving	2017	Transportation	30
22nd Street - Avenue A to 4th Avenue Paving	2017	Transportation	31
24th Street - Avenue B to C Improvements	2017	Transportation	32
32nd Street Pavement Preservation	2017	Transportation	33
3rd and Orange Avenue - 8th to 14th Street, 3rd to 4th Avenue Paving	2017	Transportation	34
40th Street Multiuse Path	2017	Transportation	35
4th Avenue and Big Curve Turn Lane	2017	Transportation	36
56th Street Pavement Overlay	2017	Transportation	37
Arizona Ave - Palo Verde to Country Club Dr Paving	2017	Transportation	38
Avenue 9E Railroad Crossing Quiet Zone	2017	Transportation	39
Catalina Drive - 32nd Street to 4th Avenue Paving	2017	Transportation	40
Citywide Safety Improvements	2017	Transportation	41
Gila Street - 1st Street to Giss Parkway Paving	2017	Transportation	42
Palo Verde St - Catalina Dr to Arizona Ave Paving	2017	Transportation	43
Rancho Verde Subdivision Paving	2017	Transportation	44
South Frontage Road-Avenue 91/2E to Avenue 10E	2017	Transportation	45
Traffic Signals Upgrade	2017	Transportation	46
West Main Canal Multi-use Path	2017	Transportation	47
Avenue 10E Improvements	2018	Transportation	48
14th Street - 1st to 4th Avenue Paving	2019	Transportation	49
16th Street - Avenue B to C Paving	2019	Transportation	50
16th Street and Pacific Avenue Turn Lane	2019	Transportation	51
18th Street and Avenue C Traffic Signal	2019	Transportation	52
24th Street and 1st Avenue Turn Lane	2019	Transportation	53
Airport Loop Road Improvements	2019	Transportation	54
South McDaniels Avenue Paving	2019	Transportation	55
Taylor Subdivision Paving	2019	Transportation	56
12th Street - 21st Drive to Avenue B Paving	2020	Transportation	57
28th Street - Avenue B to C Improvements	2019	Transportation	58

Projects	Year	Department	Page
Atmar Subdivision 1 and 2 Paving	2020	Transportation	59
Avenue A - 32nd to 36th Street Paving	2020	Transportation	60
San Carlos Subdivision Paving	2020	Transportation	61
Sanguinetti Manor Subdivision Paving	2020	Transportation	62
1st to Colorado Street-Avenue A to 23rd Ave Paving	2021	Transportation	63
20th Place Paving	2020	Transportation	64
32nd Street and Avenue 8E Turn Lane	2021	Transportation	65
Meadowbrook Subdivision Paving	2021	Transportation	66
Triple S Industrial Park Paving	2021	Transportation	67
24th Street Lift Station Replacement	2017	Wastewater Utility	68
32nd Street Manhole Rehabilitation	2017	Wastewater Utility	69
Desert Dunes Improvement Project	2017	Wastewater Utility	70
Figueroa AWPCF AZPDES Renewal	2017	Wastewater Utility	71
Figueroa AWPCF Bar Screen Replacement	2017	Wastewater Utility	72
Figueroa AWPCF Biosolids Dewatering Process	2017	Wastewater Utility	73
Figueroa AWPCF Electrical Upgrades	2017	Wastewater Utility	74
Figueroa AWPCF On-Site Manhole Replacement	2017	Wastewater Utility	75
Manhole Rehabilitation/Reconstruction	2017	Wastewater Utility	76
Sewer Line Replacement/Improvement	2017	Wastewater Utility	77
Wastewater Collection System Lift Station Upgrade	2017	Wastewater Utility	78
Desert Dunes WRF Reclaimed Water System	2020	Wastewater Utility	79
Ferrous Chloride Injection System Upgrade	2020	Wastewater Utility	80
Desert Dunes WRF UV Disinfection System Upgrade	2021	Wastewater Utility	81
Figueroa AWPCF Corrosion Control	2021	Wastewater Utility	82
Septic Waste Receiving Station	2021	Wastewater Utility	83
16th Street Water Tanks Exterior Recoat	2017	Water Utility	84
Agua Viva Well No. 1 Replacement	2017	Water Utility	85
Main Street WTP Filter System Upgrade	2017	Water Utility	86
Main Street WTP Sediment Basins Improvements	2017	Water Utility	87
New Water Services	2017	Water Utility	88
Pecan Grove Neighborhood Waterline Replacement	2017	Water Utility	89
Systems Division Relocation	2017	Water Utility	90
Water Main Replacement Annual Project	2017	Water Utility	91
Waterline Replacement/Improvements	2017	Water Utility	92
Agua Viva Membrane Replacement	2020	Water Utility	93
Avenue 4E and 36th Street Water Main Intersection	2020	Water Utility	94
Avenue C - 16th to 18th Street Waterline Replacement	2020	Water Utility	95
TTHM Air Stripping Tank System	2020	Water Utility	96
Downtown Revitalization	2016	Yuma Crossing National Heritage Area	97
Fourth Avenue Gateway	2016	Yuma Crossing National Heritage Area	98
West Wetlands Lower Bench Completion	2016	Yuma Crossing National Heritage Area	99
Yuma Multimodal Center	2016	Yuma Crossing National Heritage Area	100

Fleet Services Maintenance Shop

Total Cost \$9,795,000
Type Building
Progress Under Design
Category Other
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

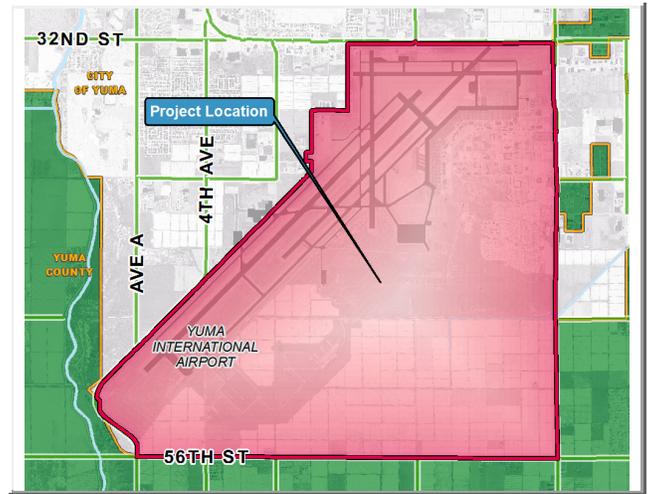
Construction of a new Fleet Maintenance Complex for the relocation of maintenance and operating function with storage for street, solid waste, fire, parks, police and utility vehicles and equipment.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	210,000					210,000
Construction	9,085,000					9,085,000
Inspection	500,000					500,000
Total	9,795,000					9,795,000

Funding Sources	2017	2018	2019	2020	2021	Total
Bond - 2015 Issue	9,500,000					9,500,000
Development Fee - Public Works	65,000					65,000
Development Fee - Solid Waste	230,000					230,000
Total	9,795,000					9,795,000

Joint Land Use Study

Total Cost	\$125,000
Type	Assessment
Progress	Planning
Category	Improvement
Location	Marine Corps Air Station Surrounding Areas



Justification

The Department of Defense Office of Economic Adjustment (OEA) administers community planning assistance through a Joint Land Use Study (JLUS) program. The purpose of JLUS is to promote compatible civilian development patterns near military installations by applying the local planning process to update comprehensive general plans and support land use regulations. The JLUS program is a basic planning process designed to identify encroachment issues confronting both civilian communities and the military installation and recommend strategies to address the issues. The City will apply for Federal and State funding to complete the JLUS, funding has not been awarded.

Description

Apply for and complete a JLUS.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	125,000					125,000
Total	125,000					125,000

Funding Sources	2017	2018	2019	2020	2021	Total
Grant	125,000					125,000
Total	125,000					125,000

Civic Center Sunset Terrace Expansion

Total Cost \$75,000
Type Construction
Progress Planning
Category Structural
Location 1440 W Desert Hills Dr



Justification

The Terrace behind the Civic Center is a wide open area with no shade, which limits its use. Expanding the area with a bar and shade structure will enhance the existing site through beautification and heightened services, which will in turn increase revenues.

Description

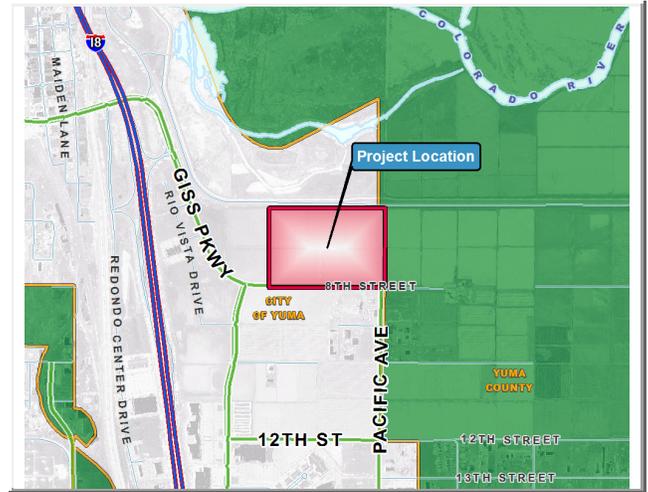
Expand the original footprint of the Sunset Terrace to include lighting, a bar area and shade structure.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	75,000					75,000
Total	75,000					75,000

Funding Sources	2017	2018	2019	2020	2021	Total
Development Fee - Arts & Culture	75,000					75,000
Total	75,000					75,000

Pacific Avenue Athletic Complex

Total Cost	\$13,600,000
Type	Construction
Progress	Under Design
Category	Facility
Location	Pacific Avenue and 8th Street



Justification

The facility 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. This project also represents an opportunity for Private-Public partnerships.

Description

The Park will include lit ball fields, batting cages, concessions, restrooms, play areas and parking. As funding becomes available additional amenities may include passive green spaces such as additional playgrounds, picnic areas, open space, ramadas, and connection to existing pathways.

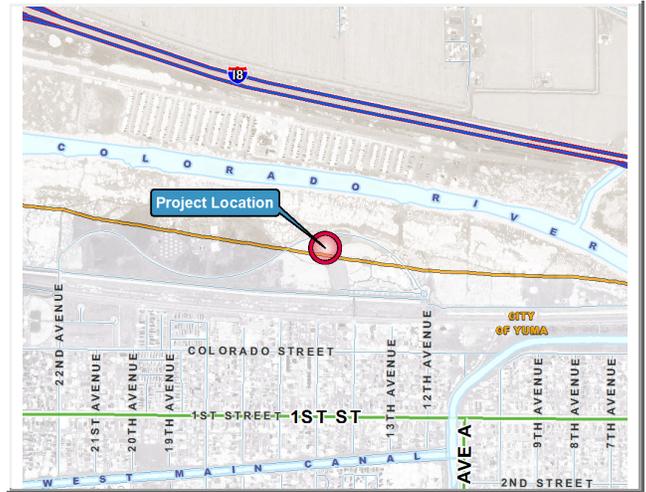
Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	785,000					785,000
Construction	12,765,000					12,765,000
Inspection	50,000					50,000
Total	13,600,000					13,600,000

Funding Sources	2017	2018	2019	2020	2021	Total
Bond - 2015 Issue	12,430,000					12,430,000
Development Fee - Parks	1,170,000					1,170,000
Total	13,600,000					13,600,000

Operational Effect	2017	2018	2019	2020	2021	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 donating 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	2017	2018	2019	2020	2021	Total
Planning/Design	50,000					50,000
Total	50,000					50,000

Funding Sources	2017	2018	2019	2020	2021	Total
Two Percent Tax	50,000					50,000
Total	50,000					50,000

Police Station Parking Garage Repairs

Total Cost \$50,000
Type Improvement
Progress Planning
Category Structural
Location 1500 South 1st Avenue



Justification

An assessment of the parking structure indicates the top deck requires additional improvements outside of the reinforcements completed alongside the supporting walls completed in fiscal year 2016. Extensive concrete and grid cracking were observed on the upper deck which left untreated will result in long term maintenance issues. Infiltrating water causes corrosion to the steel reinforcements leading to continued deterioration of the tip slab.

Description

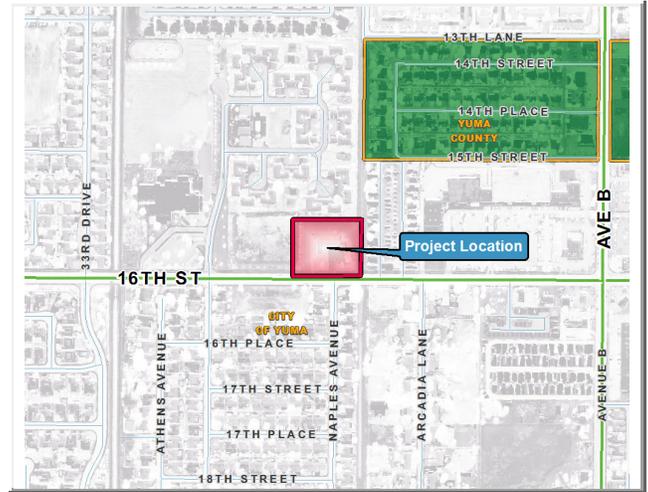
Apply deck sealant to the top deck of the parking garage.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	10,000					10,000
Construction	40,000					40,000
Total	50,000					50,000

Funding Sources	2017	2018	2019	2020	2021	Total
Public Safety Tax Fund	50,000					50,000
Total	50,000					50,000

Fire Station 4 Remodel

Total Cost	\$1,000,000
Type	Construction
Progress	Planning
Category	Buildings
Location	Fire Station 4 - 2850 W. 16th Street



Justification

The upgrades to Fire Station #4 will address the needs of the Engine Company and Rescue. The asphalt apron will be replaced and bunkroom will be updated to comply with anticipated changes to Occupational Safety and Health Administration (OSHA) and National Fire Protection Association (NFPA) standards for a fire station sleeping area.

Description

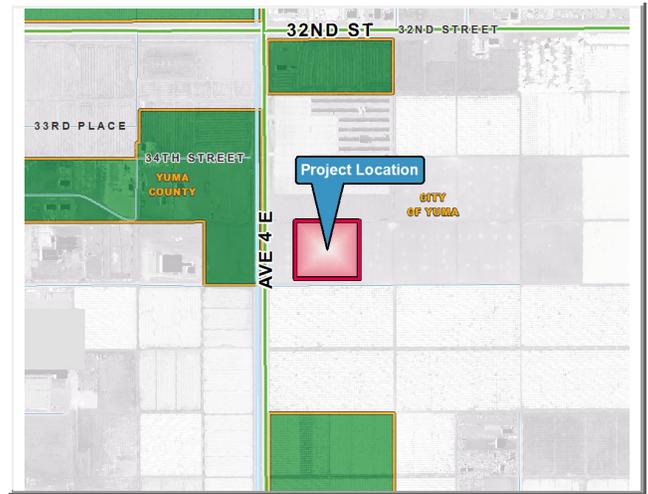
This project involves a total remodel of the dormitory at Fire Station 4. Six private rooms will replace the partially open bay sleeping area. A five foot wide corridor will be created down the center of the wing running North/South. New mill work will be built for each area to provide locker and study space.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design			100,000			100,000
Construction			860,000			860,000
Inspection			40,000			40,000
Total			1,000,000			1,000,000

Funding Sources	2017	2018	2019	2020	2021	Total
Public Safety Tax Fund			1,000,000			1,000,000
Total			1,000,000			1,000,000

Police Storage Facility

Total Cost	\$2,000,000
Type	Construction
Progress	Planning
Category	Buildings
Location	Avenue 4E and 36th Street



Justification

The secure impound and evidence storage is at or near maximum 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	2017	2018	2019	2020	2021	Total
Planning/Design				100,000		100,000
Construction				1,800,000		1,800,000
Inspection				100,000		100,000
Total				2,000,000		2,000,000

Funding Sources	2017	2018	2019	2020	2021	Total
Public Safety Tax Fund				2,000,000		2,000,000
Total				2,000,000		2,000,000

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

Total Cost	\$3,235,350
Type	Construction
Progress	Planning
Category	Buildings
Location	34th Street & Avenue 8½E



Justification

Station #5 is currently covering the area with two Engine Companies. The relocation of one of these Engine Companies will enhance the ability of the Fire Department to meet the needs of the residents and businesses in the East side of the City. This station is incorporated into the City of Yuma Fire Department 10-year Strategic Plan.

Description

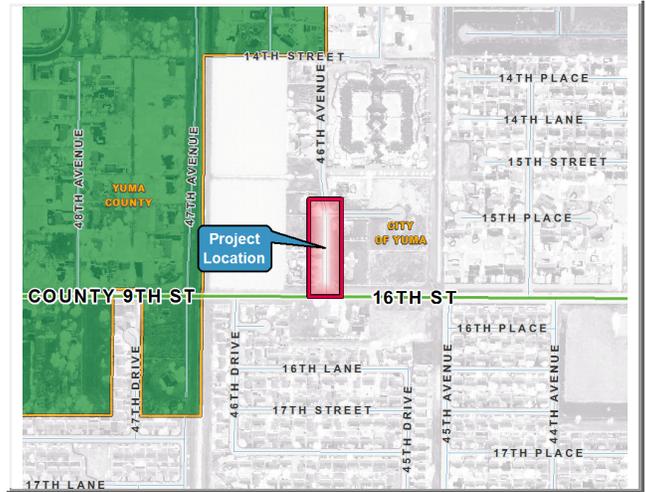
Construct a 2-bay Fire Station on the Northeast corner of 34th Street and Avenue 8½E to provide Fire Department services the developed areas.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design					260,000	260,000
Construction					2,845,350	2,845,350
Inspection					130,000	130,000
Total					3,235,350	3,235,350

Funding Sources	2017	2018	2019	2020	2021	Total
Development Fee - Fire					1,815,350	1,815,350
Public Safety Tax Fund					1,420,000	1,420,000
Total					3,235,350	3,235,350

46th Avenue Storm Drain

Total Cost \$97,000
Type Improvement
Progress Planning
Category Storm Sewer/Drainage
Location 46th Avenue -15th to 16th Street



Justification

This portion of 46th Avenue was constructed with no crown and 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 and pumping. This project will capture runoff from the west side of the street.

Description

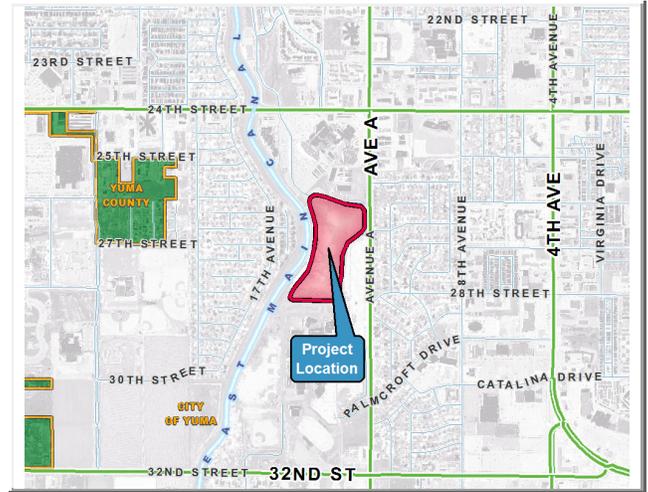
Add a catch basin and storm drain along the east side of 46th Avenue to collect runoff from the west half of 46th Avenue and convey it to an existing retention basin on the south side of 16th Street.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	94,000					94,000
Inspection	3,000					3,000
Total	97,000					97,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax	97,000					97,000
Total	97,000					97,000

Smucker Regional Storm Drain Basin

Total Cost \$1,050,000
Type Improvement
Progress Under Construction
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 as a result of its size. Construction activities and costs will be managed by YCFCD. The Basin construction will be primarily funded by the YCFCD with the City’s share being \$1,000,000.

Description

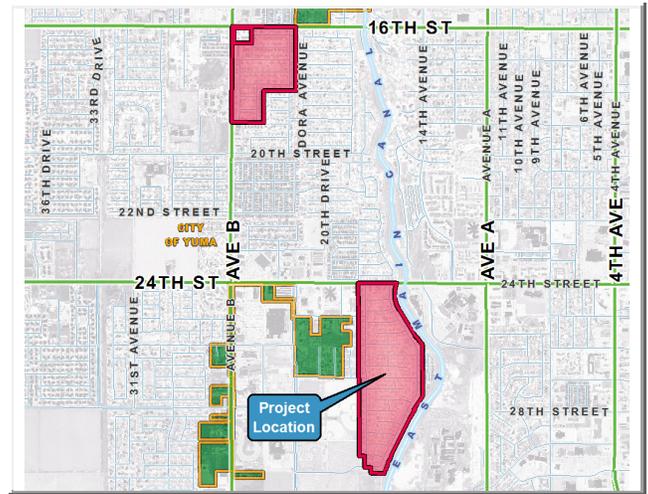
A 96 inch diameter pipe will be installed at the intersections of 28th Street and Westridge Drive at Avenue A. A storm water collection basin will be built east of the East Main Canal and on the northwest corner of Smucker Park.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	50,000					50,000
Construction	1,000,000					1,000,000
Total	1,050,000					1,050,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax	1,050,000					1,050,000
Total	1,050,000					1,050,000

Stormwater Lift Station Upgrades

Total Cost \$140,000
Type Improvement
Progress Planning
Category Storm Sewer/Drainage
Location Meadowbrook and Hacienda Estates Subdivisions



Justification

Stormwater pumps have failed during the last two rains. The pumps need to be replaced and vital components such as the electrical system and floats should be upgraded.

Description

Upgrade the lift stations that serves the Meadowbrook and Hacienda Estates Subdivisions.

Expenditures	2017	2018	2019	2020	2021	Total
Installation	140,000					140,000
Total	140,000					140,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax	140,000					140,000
Total	140,000					140,000

Sunset Terrace Storm Drain

Total Cost	\$180,000
Type	Improvement
Progress	Planning
Category	Storm Sewer/Drainage
Location	Terraces Retention Basin



Justification

In 2005 the City and ADOT entered into JPA 04-046 in which Arizona Department of Transportation (ADOT) transferred ownership of the easements and operation and maintenance responsibility of the storm drain system to the City. Additionally the City received \$180,000 from ADOT to repair and replace the existing storm drain pipe.

Description

Upsize the lower portion of the storm drain system that collects runoff at Interstate 8 and Araby Road traffic interchange and discharge into the retention basin at the Terraces at the View. Due to steep slopes and high exit velocities energy dissipation structure at the outlet may be necessary.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	180,000					180,000
Total	180,000					180,000

Funding Sources	2017	2018	2019	2020	2021	Total
Other - Proposed	180,000					180,000
Total	180,000					180,000

16th Street - Maple to 1st Avenue Turn Lane

Total Cost \$130,000
Type Construction
Progress Planning
Category Street Improvement
Location 16th Street - 1st Avenue to Maple Avenue



Justification

A continuation of the existing right-turn lane would improve the flow of traffic.

Description

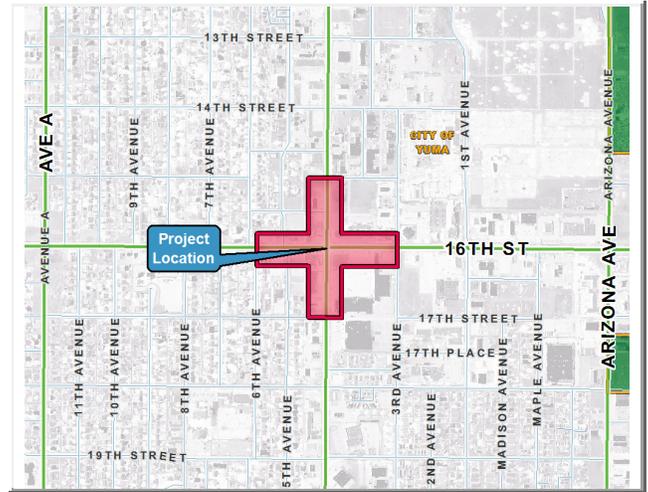
Design and construct an extension of the westbound right-turn lane, from approximately Maple Avenue to 1st Avenue including roadway widening, pavement markings and signing.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	15,000					15,000
Construction		110,000				110,000
Inspection		5,000				5,000
Total	15,000	115,000				130,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax	15,000	115,000				130,000
Total	15,000	115,000				130,000

16th Street & 4th Avenue Intersection Improvements

Total Cost \$7,250,000
Type Reconstruction
Progress Under Construction
Category Intersection Improvement
Location 16th Street & 4th Avenue Intersection



Justification

This intersection is one of the City’s most congested intersections. Improving this intersection will increase capacity thus improving traffic flow and the safety of road traffic and pedestrians. The project design has been updated and as a result budget estimates are closer to actual cost.

Description

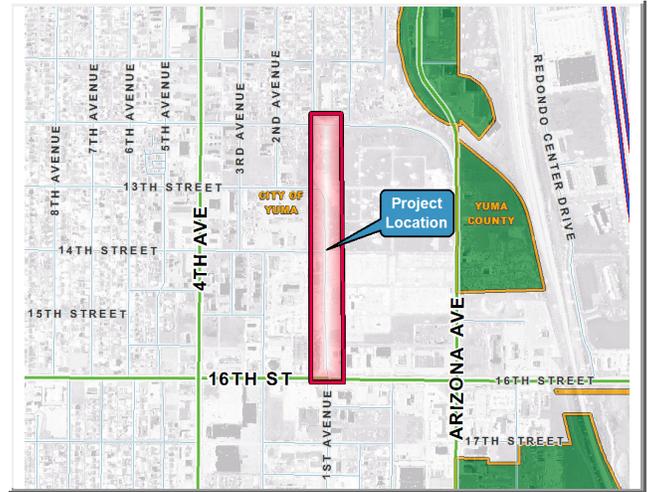
The intersection improvement parameters are from 15th Street to 17th Street on 4th Avenue and 2nd Avenue to 6th Avenue on 16th Street. Improvements will consist of dual left-turn lanes and dedicated right-turn lanes at all four legs of the intersection and bike lanes as identified within the transportation element of the General Plan. The project also includes waterline replacement and upgrades. Existing waterlines includes 12", 4" and 16" which will be replaced with one new single 16" Polyvinyl Chloride water main. From 16th street to 17th Street a 10" waterline will be replaced with a new 12" waterline.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	35,000					35,000
Land Acquisition/Right-of-Way	300,000					300,000
Construction	6,870,000					6,870,000
Inspection	45,000					45,000
Total	7,250,000					7,250,000

Funding Sources	2017	2018	2019	2020	2021	Total
Bond - Transportation	830,000					830,000
Bond - Water	1,000,000					1,000,000
City Road Tax	2,550,000					2,550,000
Development Fee - Transportation	2,600,000					2,600,000
Wastewater Utility Fund	270,000					270,000
Total	7,250,000					7,250,000

1st Avenue - 12th to 16th Street Paving

Total Cost	\$1,420,000
Type	Construction
Progress	Planning
Category	Street Paving
Location	1st Avenue - 12th Street to 16th Street



Justification

The pavement has deteriorated severely making pavement replacement necessary. Improving the water and sewer lines is also necessary in order to improve the level of service.

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 10th to 16th Street, then east to sewer manhole #2218, between Madison and Maple Avenue.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	95,000					95,000
Land Acquisition/Right-of-Way	45,000					45,000
Construction		1,229,350				1,229,350
Inspection		50,650				50,650
Total	140,000	1,280,000				1,420,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax	30,000	290,000				320,000
Wastewater Utility Fund	50,000	450,000				500,000
Water Utility Fund	60,000	540,000				600,000
Total	140,000	1,280,000				1,420,000

1st Avenue - 24th to 26th Street Paving

Total Cost \$545,000
Type Construction
Progress Under Construction
Category Street Reconstruction
Location 1st Avenue - 24th to 26th Street



Justification

Pavement replacement is necessary as existing pavement has deteriorated severely. Abrasive block cracking can be found throughout this segment of road.

Description

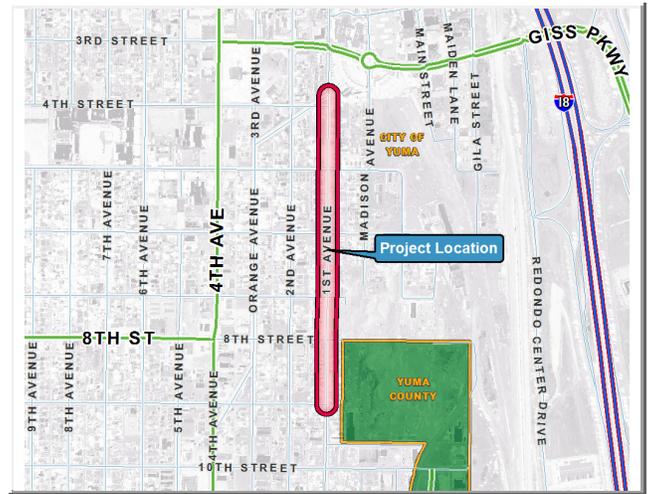
Remove and replace existing pavement on 1st Avenue from 24th to 26th Street.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	543,000					543,000
Inspection	2,000					2,000
Total	545,000					545,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax	300,000					300,000
Wastewater Utility Fund	55,000					55,000
Water Utility Fund	190,000					190,000
Total	545,000					545,000

1st Avenue - Orange Avenue to 9th Street Paving

Total Cost	\$490,000
Type	Construction
Progress	Planning
Category	Street Paving
Location	1st Avenue - Orange Avenue to 9th Street



Justification

Pavement replacement is necessary as existing pavement has deteriorated severely. Abrasive block cracking can be found throughout this segment of road.

Description

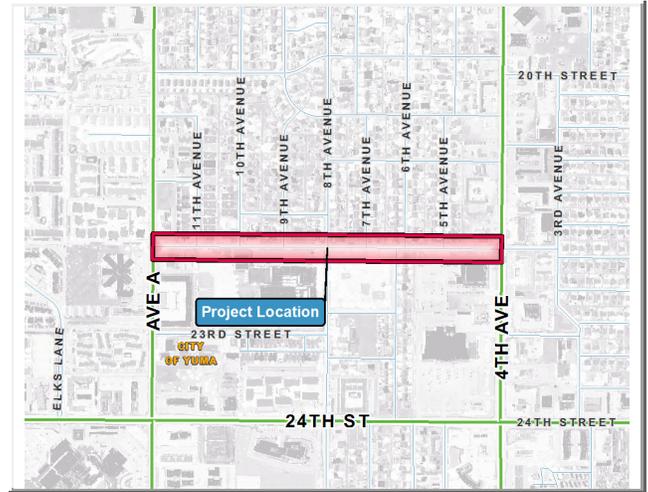
Replace pavement and conduct minor upgrades on 1st Avenue from Orange Avenue to 9th Street.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	40,000					40,000
Construction		430,000				430,000
Inspection		20,000				20,000
Total	40,000	450,000				490,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax	40,000	450,000				490,000
Total	40,000	450,000				490,000

22nd Street - Avenue A to 4th Avenue Paving

Total Cost \$830,000
Type Construction
Progress Under Design
Category Street Paving
Location 22nd Street - Avenue A to 4th Avenue



Justification

Existing pavement has deteriorated severely with abrasive block cracking making pavement replacement necessary. The 6 inch waterline located in this segment of road was installed in the 1950's and replacing the waterline will prevent future failures.

Description

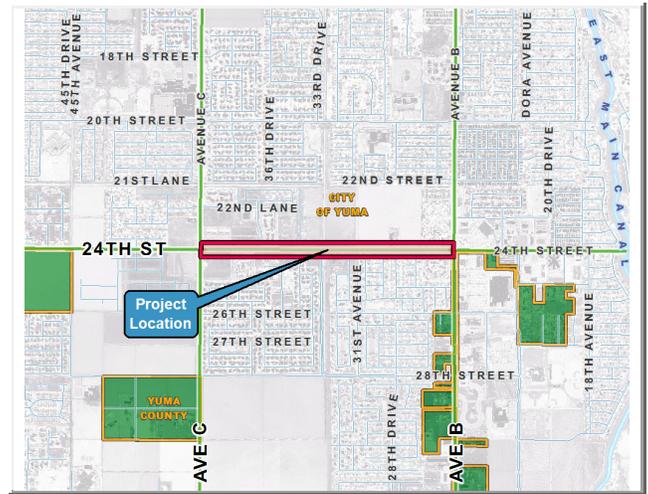
Remove and replace existing pavement on 22nd Street from Avenue A to 4th Avenue. Replace approximately 3,000 lineal feet of 6 inch and 4 inch asbestos cement pipe along 22nd Street from 4th Avenue to Avenue A.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	820,000					820,000
Inspection	10,000					10,000
Total	830,000					830,000

Funding Sources	2017	2018	2019	2020	2021	Total
Bond - Water	260,000					260,000
City Road Tax	570,000					570,000
Total	830,000					830,000

24th Street - Avenue B to C Improvements

Total Cost	\$2,575,000
Type	Construction
Progress	Under Construction
Category	Street Reconstruction
Location	24th Street - Avenue B to C



Justification

Existing development makes widening of arterial necessary. The existing street was built to County Farm-to-Market Roadway Standards and is not adequate for traffic generated by the surrounding urban development.

Description

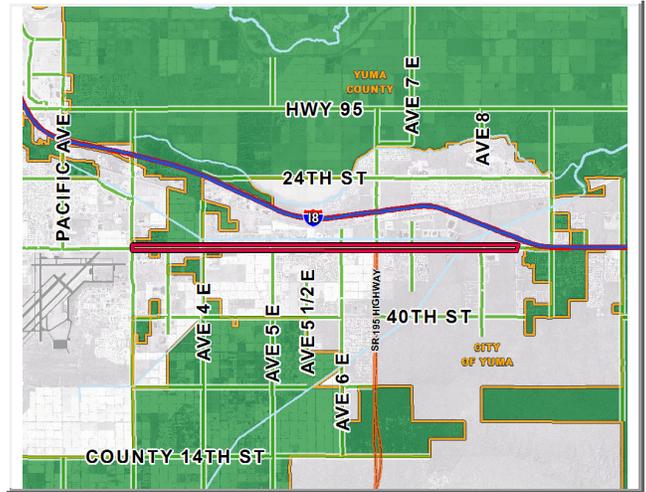
Reconstruct the existing minor arterial, to include turn and hold lanes and construct a 10 foot wide lit multiuse path and roadway discharge storage.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	2,575,000					2,575,000
Total	2,575,000					2,575,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax	890,000					890,000
ProRata Fund	1,685,000					1,685,000
Total	2,575,000					2,575,000

32nd Street Pavement Preservation

Total Cost	\$50,500
Type	Maintenance
Progress	Under Design
Category	Street Paving
Location	32nd Street - Avenue 3E to 8E



Justification

This section of roadway is in need of pavement maintenance. The Arizona Department of Transportation (ADOT) will provide \$967,206 of federal funds and the City's local match is \$50,500.

Description

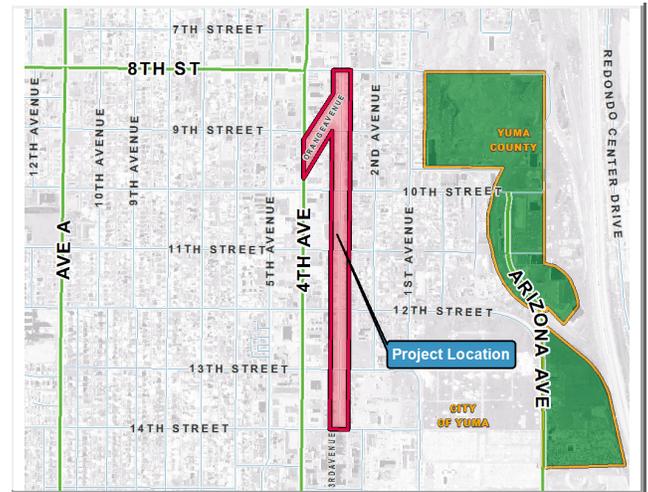
Apply a pavement preservation slurry seal to 32nd street from Catalina drive to 8 1/2E.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	50,500					50,500
Total	50,500					50,500

Funding Sources	2017	2018	2019	2020	2021	Total
Bond - Transportation	50,500					50,500
Total	50,500					50,500

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

Total Cost \$1,050,000
Type Improvement
Progress Planning
Category Street Paving
Location 3rd Avenue - Orange Avenue to 14th Street



Justification

Pavement replacement is necessary as existing pavement has deteriorated severely. Abrasive block cracking can be found throughout this segment of road.

Description

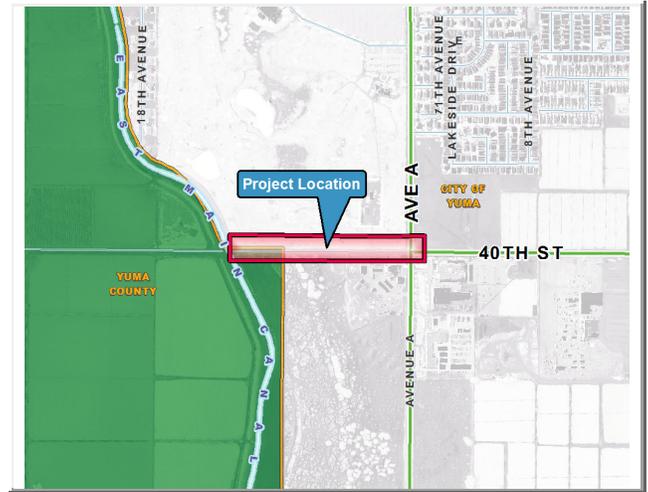
Remove and replace existing pavement on 3rd Avenue from Orange Avenue to 14th Street and Orange Avenue from 3rd Avenue to 4th Avenue.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	90,000					90,000
Construction		910,000				910,000
Inspection		50,000				50,000
Total	90,000	960,000				1,050,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax	60,000	640,000				700,000
Water Utility Fund	30,000	320,000				350,000
Total	90,000	960,000				1,050,000

40th Street Multiuse Path

Total Cost	\$190,000
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 bicycle connectivity. This connection is of many projects members of the community have indicated is would be key to improving connectivity.

Description

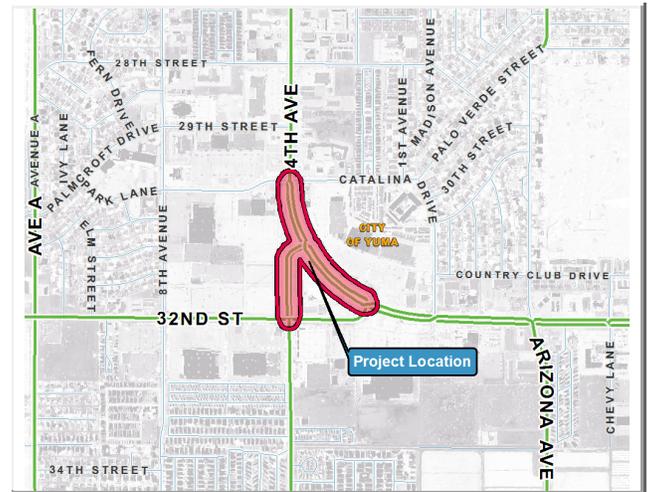
Install a 10 foot wide share use path on the north side of 40th Street between Avenue A and the East Main Canal.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	190,000					190,000
Total	190,000					190,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax	190,000					190,000
Total	190,000					190,000

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

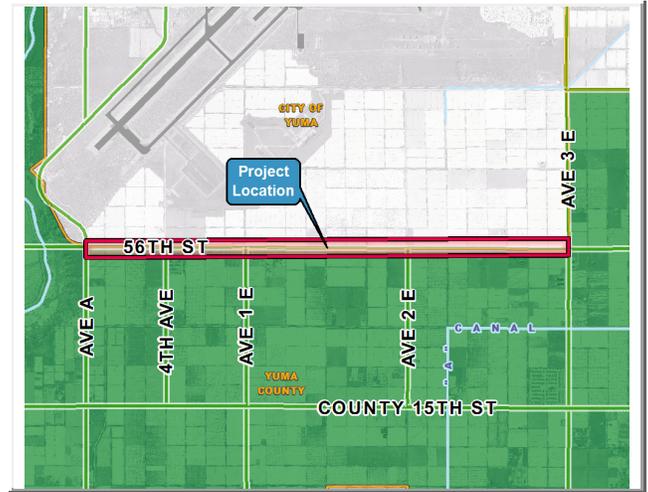
Design and construct a dedicated southbound right-turn lane from 4th Avenue/Big Curve onto southbound 4th Avenue Extension along with traffic signal mast arm and controller replacements.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	20,000					20,000
Construction	205,000					205,000
Inspection	15,000					15,000
Total	240,000					240,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax	190,000					190,000
Development Fee - Transportation	50,000					50,000
Total	240,000					240,000

56th Street Pavement Overlay

Total Cost \$50,000
Type Maintenance
Progress Construction Complete
Category Street Reconstruction
Location Avenue A to Avenue 3E



Justification

Existing pavement shows signs of wear, distress and block cracking. A pavement overlay will extend the life of this street. Yuma County has secured a Surface Transportation Program (STP) grant for this project. Costs in excess of grant will be covered by Yuma County and the City of Yuma as stipulated in Intergovernmental Agreement 2013-05632.

Description

56th Street/County 14th Street will be repaved using 2-3 inches of asphalt.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	50,000					50,000
Total	50,000					50,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax	50,000					50,000
Total	50,000					50,000

Arizona Ave - Palo Verde to Country Club Dr Paving

Total Cost	\$315,000
Type	Construction
Progress	Planning
Category	Street Paving
Location	Arizona Avenue - Palo Verde to Country Club Drive



Justification

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

Description

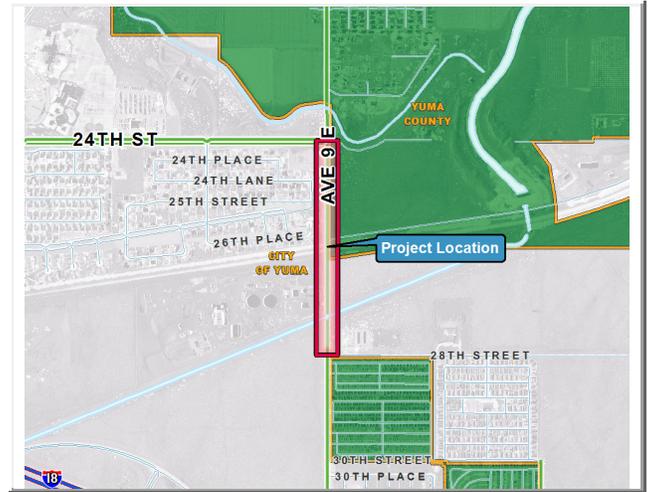
Remove and replace existing pavement on Arizona Avenue - Palo Verde to Country Club Drive.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	305,000					305,000
Inspection	10,000					10,000
Total	315,000					315,000

Funding Sources	2017	2018	2019	2020	2021	Total
Highway Users Revenue Fund	315,000					315,000
Total	315,000					315,000

Avenue 9E Railroad Crossing Quiet Zone

Total Cost	\$65,000
Type	Improvement
Progress	Planning
Category	Street Improvement
Location	Avenue 9E at Union Pacific Railroad Crossing



Justification

A quiet zone will be established in the vicinity of Avenue 9E and the Union Pacific Railroad crossing. A quiet zone is a section of rail line at least one-half mile in length that contains one or more consecutive public highway grade crossings, where locomotive horns are not routinely sounded when trains are approaching the crossing. Quiet zone regulations do not eliminate the use of locomotive bells at crossing as trains horns will be utilized in emergency situations or to comply with railroad or Federal Railroad Administration (FRA) rules. In order to establish a quiet zone the City must install Supplementary Safety Measure (SSM).

Description

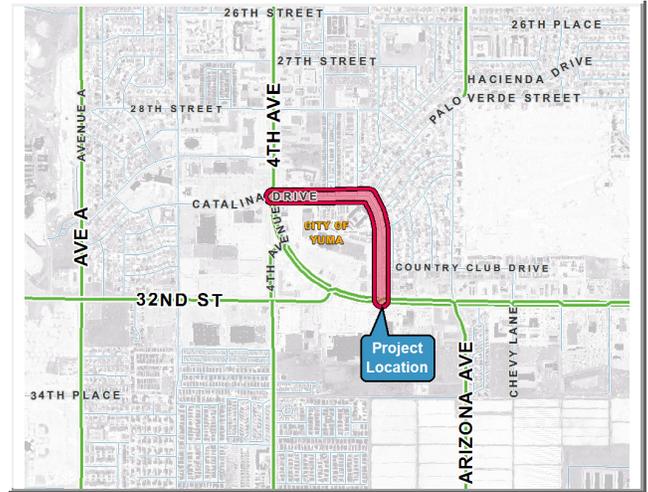
Install SSM at Avenue 9E and Union Pacific Railroad Crossing. Under FRA Final Rule, SSM that would qualify for a Quiet Zone are "Mountable Medians with Reflective Traffic Channelization Devices".

Expenditures	2017	2018	2019	2020	2021	Total
Inspection	19,500					19,500
Equipment	42,500					42,500
Installation	3,000					3,000
Total	65,000					65,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax	65,000					65,000
Total	65,000					65,000

Catalina Drive - 32nd Street to 4th Avenue Paving

Total Cost	\$325,000
Type	Construction
Progress	Under Design
Category	Street Paving
Location	Catalina Drive - 32nd Street to 4th Avenue



Justification

The street was resurfaced in early 1980. Crack seal and slurry seal were applied in November 1994 however, reflection cracking has reached the point where pavement replacement is necessary.

Description

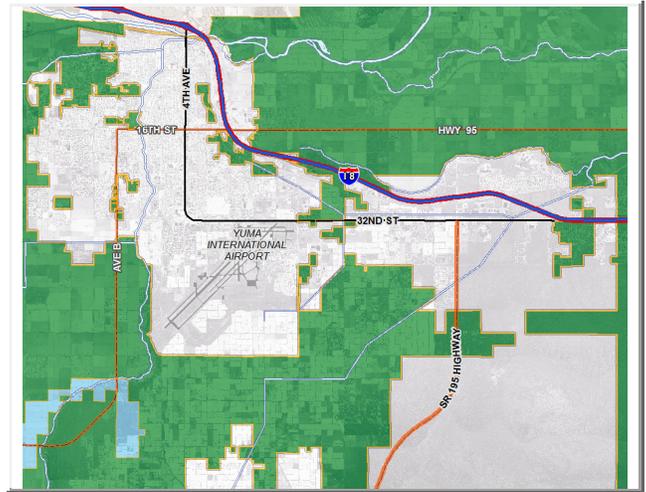
Replace existing pavement and the roll curb and gutter at all driveways.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	325,000					325,000
Total	325,000					325,000

Funding Sources	2017	2018	2019	2020	2021	Total
Highway Users Revenue Fund	325,000					325,000
Total	325,000					325,000

Citywide Safety Improvements

Total Cost \$585,000
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. Improvements may include streetlights fill in, handicap ramps, traffic signal upgrades, signage, street crosswalks, striping, and sidewalks/pathways.

Description

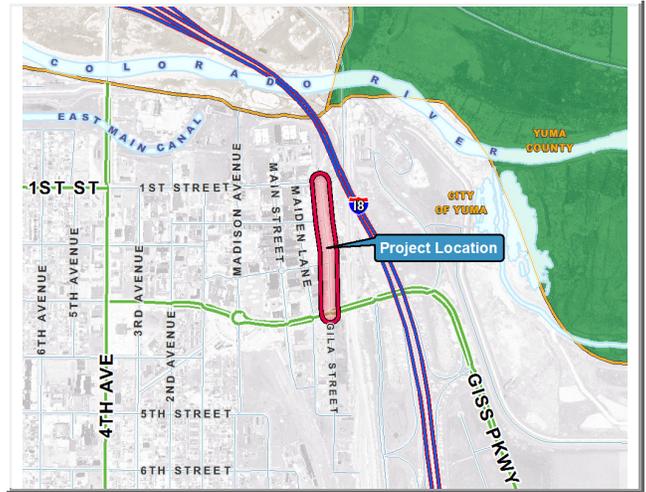
Systemic improvement projects designed to consider longer segments the transportation network improving roadways at a broad view. In addition, staff may require preparation and submission of grant applications in order to address safety concerns. Such improvements will complement existing roadway infrastructure in new or existing subdivisions.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	25,000	140,000	140,000	140,000	140,000	585,000
Total	25,000	140,000	140,000	140,000	140,000	585,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax	25,000	140,000	140,000	140,000	140,000	585,000
Total	25,000	140,000	140,000	140,000	140,000	585,000

Gila Street - 1st Street to Giss Parkway Paving

Total Cost \$201,000
Type Construction
Progress Planning
Category Street Paving
Location Gila Street - 1st Street to 3rd Street



Justification

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

Description

Remove and replace existing pavement on Gila Street from 1st Street to 3rd Street.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	182,600					182,600
Inspection	18,400					18,400
Total	201,000					201,000

Funding Sources	2017	2018	2019	2020	2021	Total
Highway Users Revenue Fund	201,000					201,000
Total	201,000					201,000

Palo Verde St - Catalina Dr to Arizona Ave Paving

Total Cost	\$309,000
Type	Construction
Progress	Under Design
Category	Street Paving
Location	Palo Verde St. - Catalina Drive to Arizona Avenue



Justification

Pavement replacement is necessary as existing pavement has deteriorated severely. Abrasive block cracking can be found throughout this segment of road.

Description

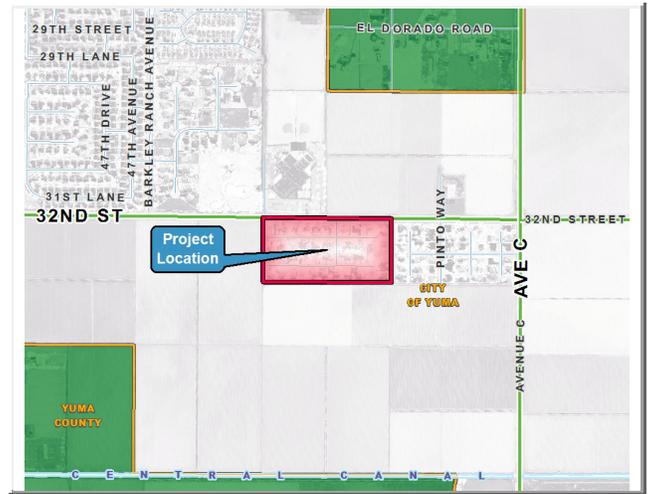
Remove and replace existing pavement.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	309,000					309,000
Total	309,000					309,000

Funding Sources	2017	2018	2019	2020	2021	Total
Highway Users Revenue Fund	309,000					309,000
Total	309,000					309,000

Rancho Verde Subdivision Paving

Total Cost \$333,500
Type Construction
Progress Planning
Category Street Paving
Location Rancho Verde Subdivision



Justification

Pavement replacement is necessary as existing pavement has deteriorated severely. Abrasive block cracking can be found throughout this segment of road.

Description

Remove and replace existing pavement throughout Rancho Verde Subdivision.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	30,000	303,500				333,500
Total	30,000	303,500				333,500

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax	30,000	303,500				333,500
Total	30,000	303,500				333,500

South Frontage Road - Avenue 9½E to Avenue 10E

Total Cost	\$167,000
Type	Reconstruction
Progress	Construction Complete
Category	Street Reconstruction
Location	South Frontage Road - Avenue 9½E to Avenue 10E



Justification

Provide a 3-lane collector street to serve the area south of Interstate 8 on the East Mesa.

Description

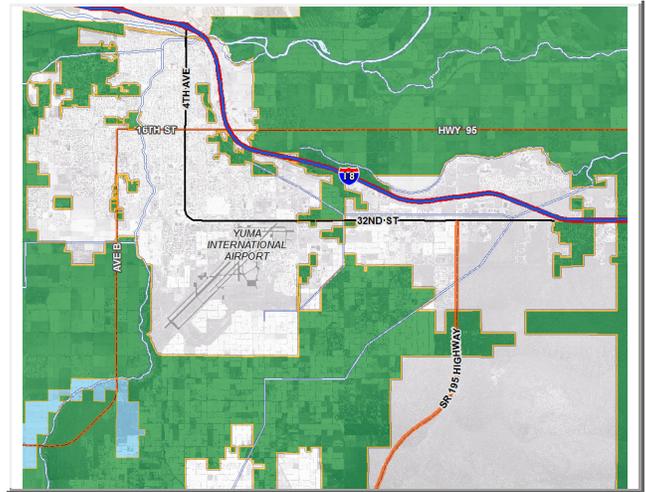
Design and construct the widening of South Frontage Road from Avenue 9½E to Avenue 10E to a 3-lane collector street. Funding shown is the City's portion of project costs. Project administration will be conducted by Yuma County.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	167,000					167,000
Total	167,000					167,000

Funding Sources	2017	2018	2019	2020	2021	Total
Bond - Transportation	167,000					167,000
Total	167,000					167,000

Traffic Signals Upgrade

Total Cost \$290,000
Type Maintenance
Progress Planning
Category Traffic Signals
Location Citywide



Justification

Existing traffic signals intersection have deteriorated due to the overall age and exposure to elements. Controllers and hardware components are in need of replacement.

Description

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

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	29,000					29,000
Installation		261,000				261,000
Total	29,000	261,000				290,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax	29,000	261,000				290,000
Total	29,000	261,000				290,000

West Main Canal Multi-Use Path

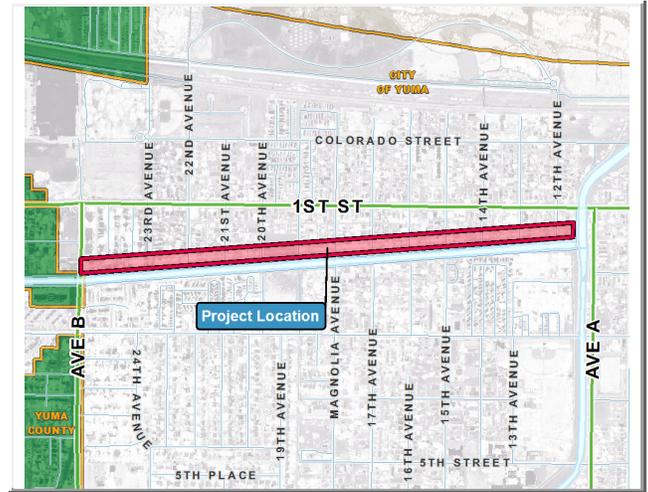
Total Cost \$30,000

Type Construction

Progress Under Design

Category Street Construction

Location West Main Canal between Main Canal (Avenue A) and Thacker Canal (Avenue B)



Justification

The West Main Canal Multi-Use Path is identified within the Transportation Element of the City of Yuma General Plan.

Description

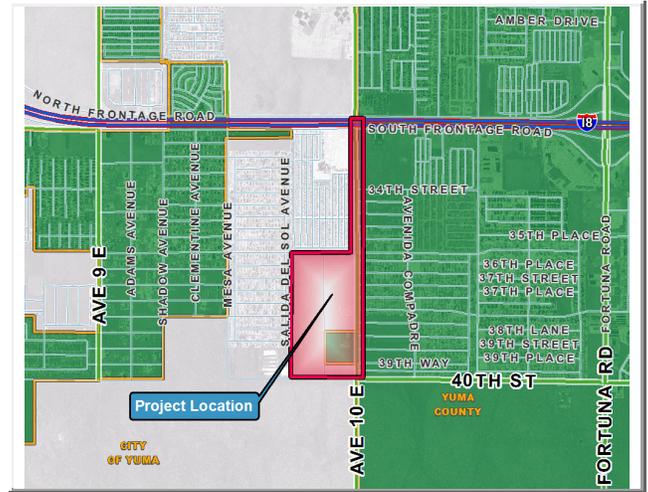
This project will design and construct a lighted pathway along the West Main Canal. The path will be at least 10 feet wide. Enhancement Grant funding was awarded for this project.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	30,000					30,000
Total	30,000					30,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax	30,000					30,000
Total	30,000					30,000

Avenue 10E Improvements

Total Cost \$205,000
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

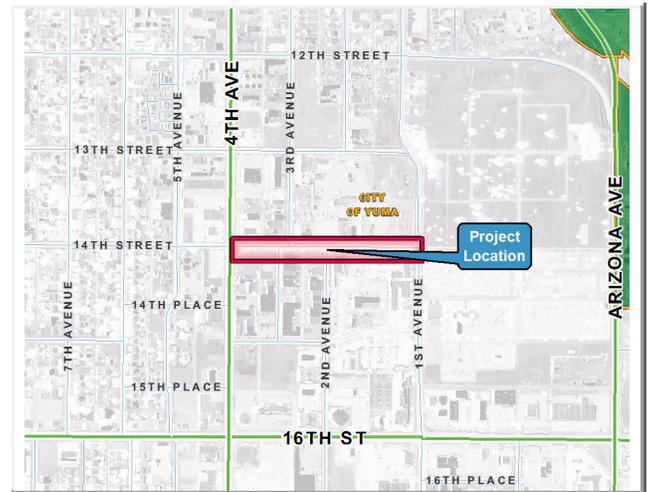
Agreement requires property owners to design and construct certain roadway improvements on Avenue 10E with the City reimbursing the owners a portion of costs.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design		18,000				18,000
Construction		177,000				177,000
Inspection		10,000				10,000
Total		205,000				205,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax		94,500				94,500
Development Fee - Transportation		40,500				40,500
Water Utility Fund		70,000				70,000
Total		205,000				205,000

14th Street - 1st to 4th Avenue Paving

Total Cost \$213,500
Type Construction
Progress Planning
Category Street Paving
Location 14th Street - 4th to 1st Avenue



Justification

Pavement replacement is necessary as existing pavement has deteriorated severely. Abrasive block cracking can be found throughout this segment of road.

Description

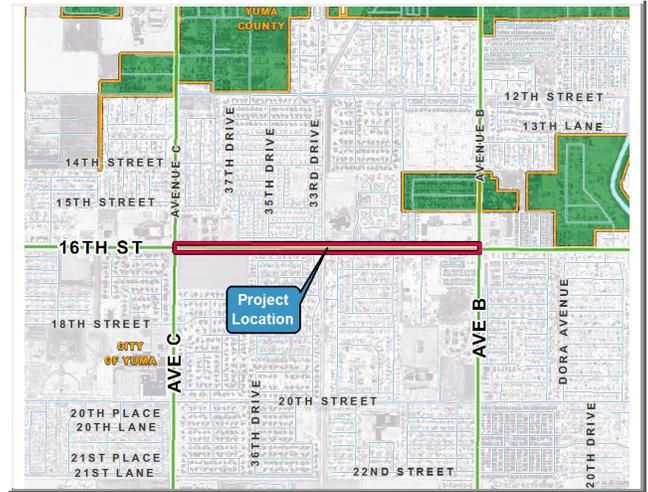
Remove and replace existing pavement on 14th Street from 1st Avenue to 4th Avenue.

Expenditures	2017	2018	2019	2020	2021	Total
Construction			205,000			205,000
Inspection			8,500			8,500
Total			213,500			213,500

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax			213,500			213,500
Total			213,500			213,500

16th Street - Avenue B to C Paving

Total Cost \$427,500
Type Construction
Progress Planning
Category Street Paving
Location 16th Street - Avenue B to Avenue C



Justification

Pavement replacement is necessary as existing pavement has deteriorated severely. Abrasive block cracking can be found throughout this segment of road.

Description

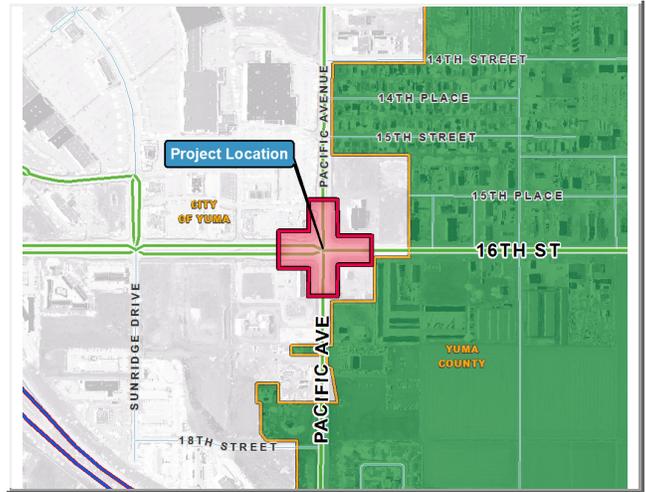
Remove and replace existing pavement on 16th Street from Avenue B to C.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design			27,500			27,500
Construction			385,000			385,000
Inspection			15,000			15,000
Total			427,500			427,500

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax			427,500			427,500
Total			427,500			427,500

16th Street and Pacific Avenue Turn Lane

Total Cost	\$350,000
Type	Construction
Progress	Planning
Category	Intersection Improvement
Location	16th Street and Pacific Avenue



Justification

Increased right-turn movements from westbound 16th Street to northbound Pacific Avenue at the intersection necessitate the installation of this right-turn lane to move turning traffic from westbound 16th Street.

Description

Design and construct a westbound 16th Street right-turn lane, approaching Pacific Avenue, along with traffic signal mast and controller replacement.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design			25,000			25,000
Land Acquisition/Right-of-Way			200,000			200,000
Construction			115,000			115,000
Inspection			10,000			10,000
Total			350,000			350,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax			350,000			350,000
Total			350,000			350,000

18th Street and Avenue C Traffic Signal

Total Cost	\$371,700
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

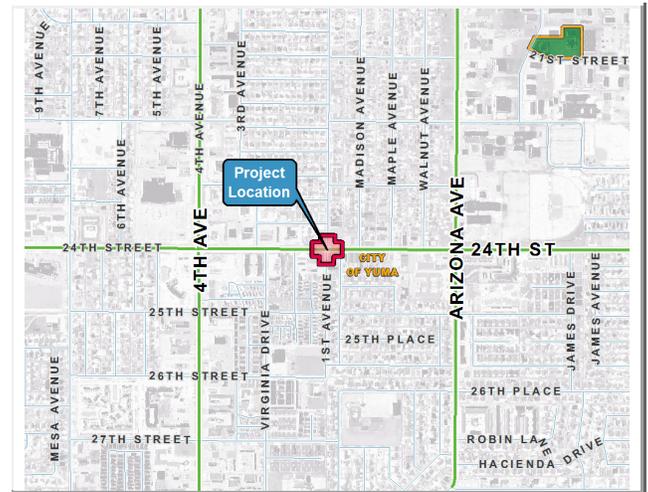
Design and construct a complete traffic signal system at the intersection of 18th Street and Avenue C.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design			37,200			37,200
Construction			310,500			310,500
Inspection			24,000			24,000
Total			371,700			371,700

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax			195,000			195,000
Development Fee - Transportation			51,700			51,700
Other - Proposed			125,000			125,000
Total			371,700			371,700

24th Street and 1st Avenue Turn Lane

Total Cost	\$728,000
Type	Construction
Progress	Planning
Category	Street Improvement
Location	24th Street and 1st Avenue Intersection



Justification

Westbound traffic at the intersection of 24th Street and 1st Avenue is experiencing congestion from traffic turning northbound onto 1st Avenue. A westbound right-turn lane on 24th Street would mitigate the congestion at this intersection and improve traffic flow on 24th Street.

Description

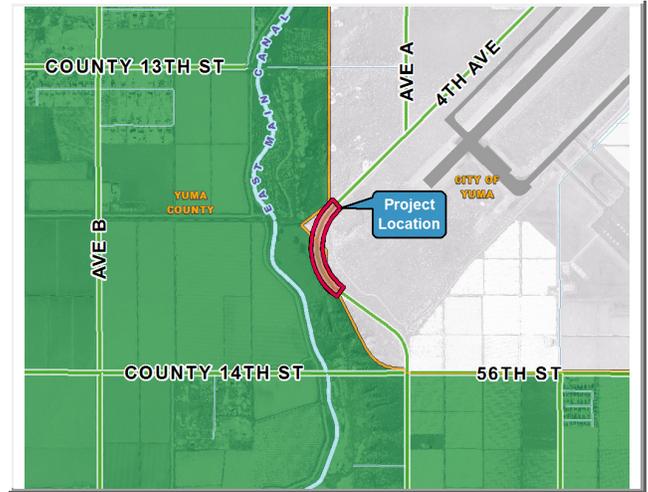
Design and construct a westbound right-turn lane on 24th Street approaching 1st Avenue and replace traffic signal mast arm and controller.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design			17,800			17,800
Land Acquisition/Right-of-Way			550,000			550,000
Construction			148,300			148,300
Inspection			11,900			11,900
Total			728,000			728,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax			533,000			533,000
Development Fee - Transportation			195,000			195,000
Total			728,000			728,000

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	2017	2018	2019	2020	2021	Total
Planning/Design			7,000			7,000
Construction			233,000			233,000
Total			240,000			240,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax			240,000			240,000
Total			240,000			240,000

South McDaniels Avenue Paving

Total Cost	\$92,000
Type	Construction
Progress	Planning
Category	Other
Location	South McDaniels Avenue



Justification

Pavement replacement is necessary as existing pavement has deteriorated severely. Abrasive block cracking can be found throughout this segment of road.

Description

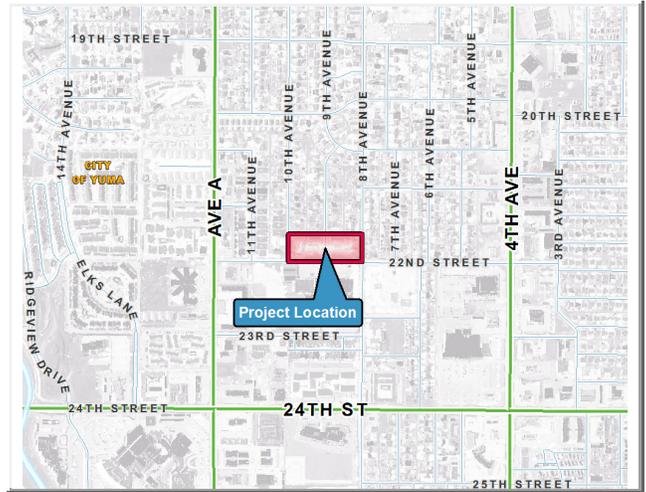
Remove and replace existing pavement on South McDaniels Avenue from Gila Ridge to cul-de-sac.

Expenditures	2017	2018	2019	2020	2021	Total
Construction			92,000			92,000
Total			92,000			92,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax			92,000			92,000
Total			92,000			92,000

Taylor Subdivision Paving

Total Cost \$350,000
Type Construction
Progress Planning
Category Street Paving
Location 21st to 22nd Street - 8th to 10th Avenue



Justification

Pavement replacement is necessary as existing pavement has deteriorated severely. Abrasive block cracking can be found throughout this subdivision.

Description

Remove and replace existing pavement throughout Taylor Subdivision.

Expenditures	2017	2018	2019	2020	2021	Total
Construction			350,000			350,000
Total			350,000			350,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax			350,000			350,000
Total			350,000			350,000

12th Street - 21st Drive to Avenue B Paving

Total Cost	\$112,000
Type	Construction
Progress	Planning
Category	Street Paving
Location	12th Street-21st Drive to Avenue B



Justification

Pavement replacement is necessary as existing pavement has deteriorated severely. Abrasive block cracking can be found throughout this segment of road.

Description

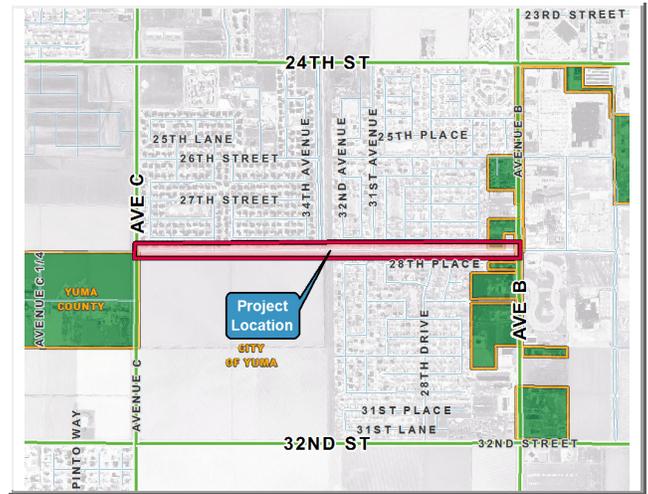
Remove and replace existing pavement on 12th Street from 21st Drive to Avenue B.

Expenditures	2017	2018	2019	2020	2021	Total
Construction				112,000		112,000
Total				112,000		112,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax				112,000		112,000
Total				112,000		112,000

28th Street - Avenue B to C Improvements

Total Cost \$1,580,000
Type Construction
Progress Planning
Category Street Construction
Location 28th Street - Avenue B to Avenue C



Justification

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

Description

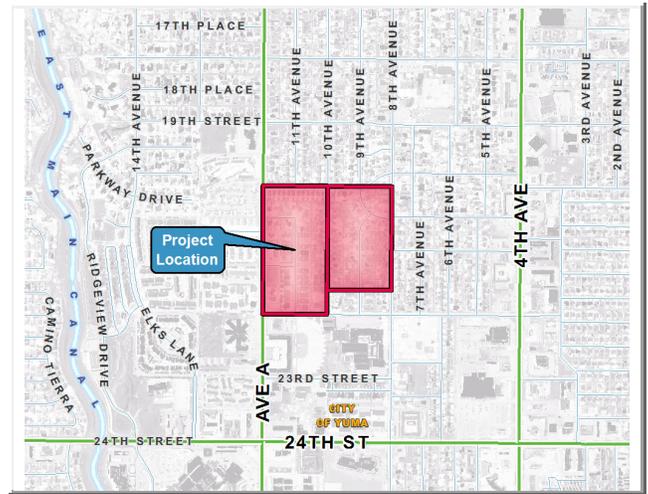
Design and construct a minor arterial road with pedestrian crossing at the Thacker Lateral. Three-quarters of street was constructed by developer and City of Yuma in FY2006. The western half of the east bound street remains to be constructed.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design				80,000		80,000
Land Acquisition/Right-of-Way				300,000		300,000
Construction				1,100,000		1,100,000
Inspection				100,000		100,000
Total				1,580,000		1,580,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax				202,000		202,000
Development Fee - Transportation				1,378,000		1,378,000
Total				1,580,000		1,580,000

Atmar Subdivision 1 and 2 Paving

Total Cost \$390,000
Type Construction
Progress Planning
Category Street Paving
Location Subdivision South of 20th Street between Avenue A and 8th Avenue



Justification

Pavement replacement is necessary as existing pavement has deteriorated severely. Abrasive block cracking can be found throughout this subdivision.

Description

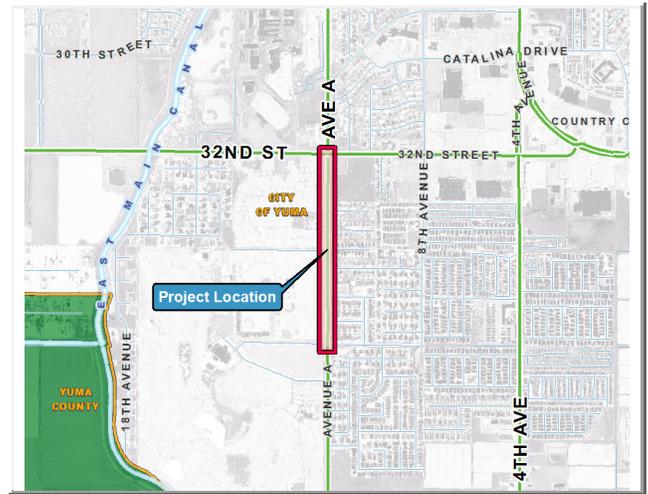
Remove and replace existing pavement throughout Atmar Subdivision 1 and 2.

Expenditures	2017	2018	2019	2020	2021	Total
Construction				390,000		390,000
Total				390,000		390,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax				390,000		390,000
Total				390,000		390,000

Avenue A - 32nd to 36th Street Paving

Total Cost	\$444,000
Type	Construction
Progress	Planning
Category	Street Paving
Location	Avenue A from 32nd to 36th street



Justification

Pavement replacement is necessary as existing pavement has deteriorated severely. Abrasive block cracking can be found throughout this segment of road.

Description

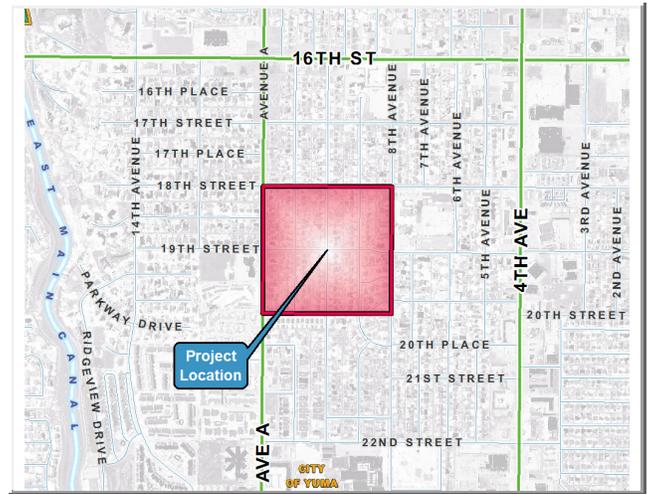
Remove and replace existing pavement on Avenue A from 32nd to 36th street.

Expenditures	2017	2018	2019	2020	2021	Total
Construction				444,000		444,000
Total				444,000		444,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax				444,000		444,000
Total				444,000		444,000

San Carlos Subdivision Paving

Total Cost \$312,000
Type Construction
Progress Planning
Category Street Paving
Location Subdivision South of 17th Street between Avenue A and 8th Avenue



Justification

Pavement replacement is necessary as existing pavement has deteriorated severely. Abrasive block cracking can be found throughout this subdivision.

Description

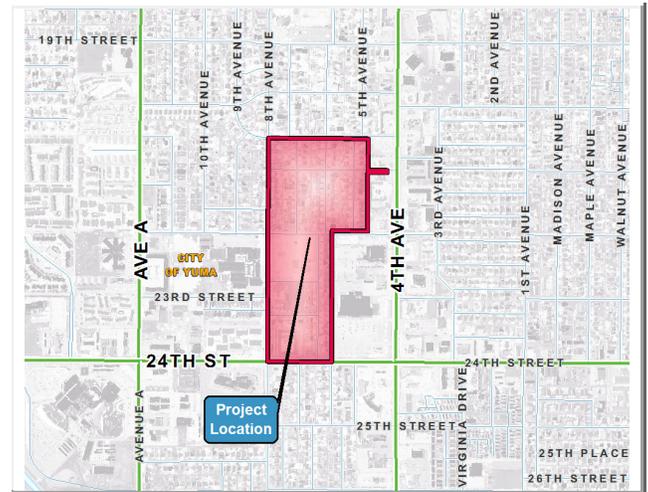
Remove and replace existing pavement throughout San Carlos Subdivision.

Expenditures	2017	2018	2019	2020	2021	Total
Construction				312,000		312,000
Total				312,000		312,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax				312,000		312,000
Total				312,000		312,000

Sanguinetti Manor Subdivision Paving

Total Cost \$870,000
Type Construction
Progress Planning
Category Street Paving
Location 20th Place to 21st Street - 4th to 8th Avenue



Justification

Pavement replacement is necessary as existing pavement has deteriorated severely. Abrasive block cracking can be found throughout this subdivision.

Description

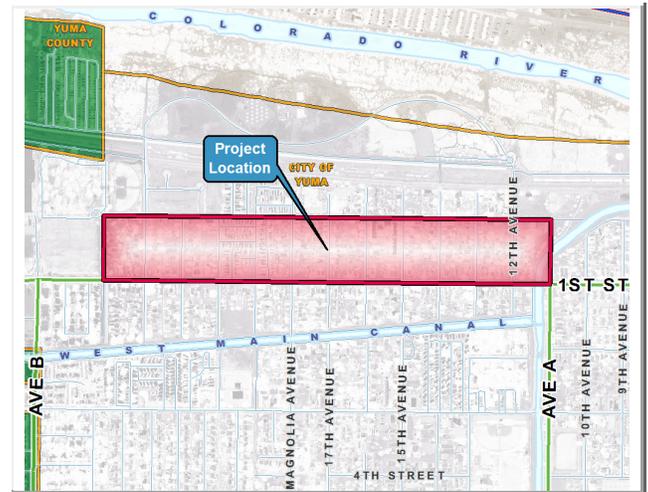
Remove and replace existing pavement throughout Sanguinetti Manor Subdivision.

Expenditures	2017	2018	2019	2020	2021	Total
Construction				870,000		870,000
Total				870,000		870,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax				870,000		870,000
Total				870,000		870,000

1st to Colorado Street-Avenue A to 23rd Ave Paving

Total Cost	\$1,990,000
Type	Construction
Progress	Planning
Category	Street Paving
Location	1st to Colorado Street-Ave A to 23rd Ave



Justification

Pavement replacement is necessary as existing pavement has deteriorated severely. Abrasive block cracking can be found throughout this subdivision.

Description

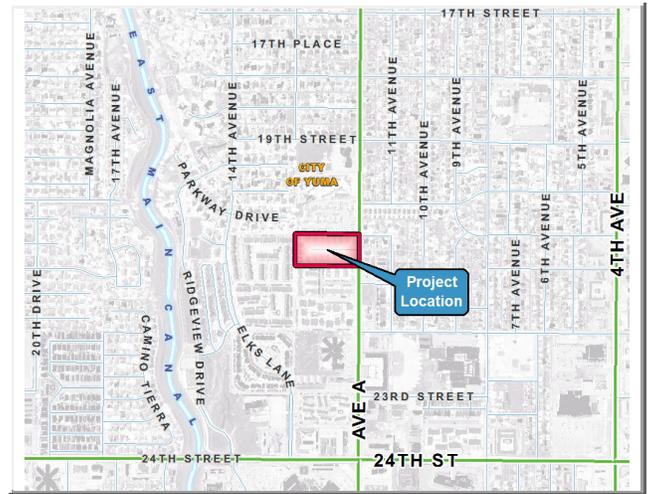
Remove and replace existing pavement on 1st to Colorado Street and Avenue A to 23rd Ave.

Expenditures	2017	2018	2019	2020	2021	Total
Construction					1,838,000	1,838,000
Inspection					152,000	152,000
Total					1,990,000	1,990,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax					1,990,000	1,990,000
Total					1,990,000	1,990,000

20th Place Paving

Total Cost \$55,000
Type Construction
Progress Planning
Category Street Paving
Location 20th Place from Avenue A to cul-de-sac



Justification

Pavement replacement is necessary as existing pavement has deteriorated severely. Abrasive block cracking can be found throughout this segment of road.

Description

Remove and replace existing pavement on 20th Place from Avenue A to cul-de-sac.

Expenditures	2017	2018	2019	2020	2021	Total
Construction					55,000	55,000
Total					55,000	55,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax					55,000	55,000
Total					55,000	55,000

32nd Street and Avenue 8E Turn Lane

Total Cost	\$203,000
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

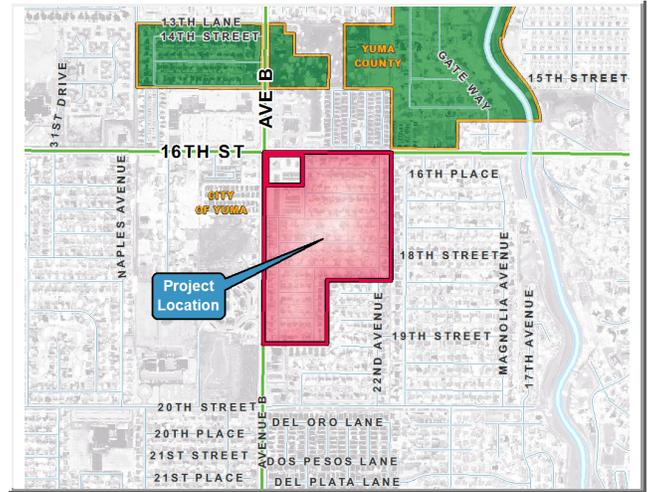
Design and construct a westbound right-turn turn lane with traffic signal mast arm and control replacement on 32nd Street.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design					14,000	14,000
Construction					175,000	175,000
Inspection					14,000	14,000
Total					203,000	203,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax					162,400	162,400
Development Fee - Transportation					40,600	40,600
Total					203,000	203,000

Meadowbrook Subdivision Paving

Total Cost \$560,504
Type Construction
Progress Planning
Category Street Paving
Location South East Corner of 16th Street and Avenue B



Justification

Pavement replacement is necessary as existing pavement has deteriorated severely. Abrasive block cracking can be found throughout this subdivision.

Description

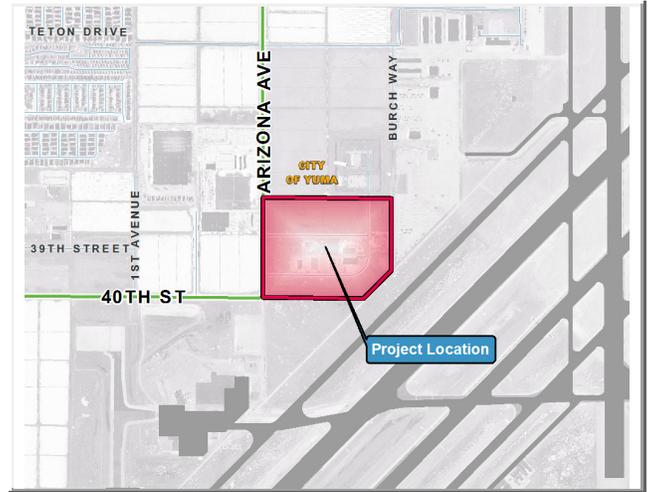
Remove and replace existing pavement throughout Meadowbrook Subdivision.

Expenditures	2017	2018	2019	2020	2021	Total
Construction					560,504	560,504
Total					560,504	560,504

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax					560,504	560,504
Total					560,504	560,504

Triple S Industrial Park Paving

Total Cost	\$502,000
Type	Construction
Progress	Planning
Category	Other
Location	North East Corner of 40th Street and Arizona Avenue



Justification

Pavement replacement is necessary as existing pavement has deteriorated severely. Abrasive block cracking can be found throughout the Industrial Park.

Description

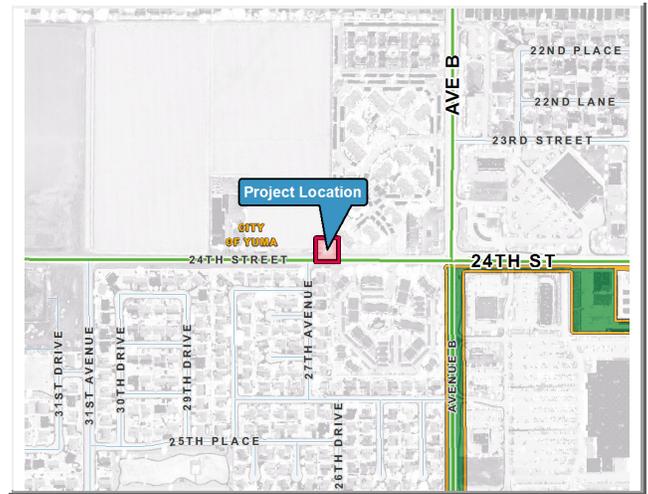
Remove and replace existing pavement throughout Triple S Industrial Park.

Expenditures	2017	2018	2019	2020	2021	Total
Construction					502,000	502,000
Total					502,000	502,000

Funding Sources	2017	2018	2019	2020	2021	Total
City Road Tax					502,000	502,000
Total					502,000	502,000

24th Street Lift Station Replacement

Total Cost	\$780,000
Type	Construction
Progress	Planning
Category	Wastewater
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 the integrity of the overall system.

Description

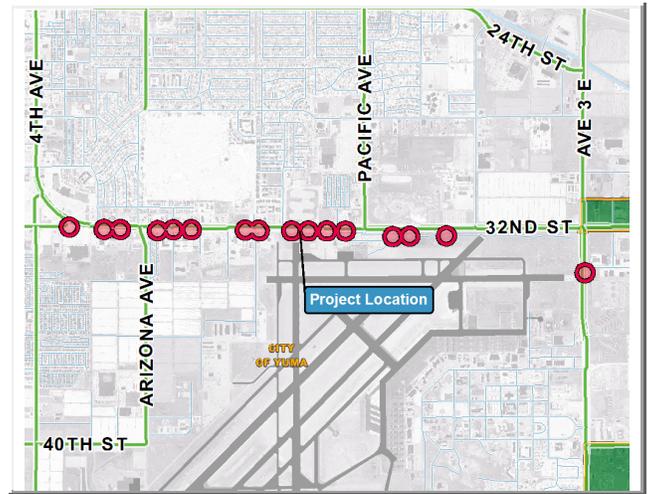
Purchase approximately 6,000 square feet of property behind the existing lift station and construct a new wastewater lift station to include Supervisory Control and Data Acquisition (SCADA) controls and new energy efficient variable drive pumps.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	75,000					75,000
Land Acquisition/Right-of-Way	15,000					15,000
Construction	680,000					680,000
Inspection	10,000					10,000
Total	780,000					780,000

Funding Sources	2017	2018	2019	2020	2021	Total
Wastewater Utility Fund	780,000					780,000
Total	780,000					780,000

32nd Street Manhole Rehabilitation

Total Cost	\$1,025,000
Type	Reconstruction
Progress	Planning
Category	Wastewater
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(s) fail.

Description

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

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	80,000	40,000				120,000
Construction	560,000	250,000				810,000
Inspection	60,000	35,000				95,000
Total	700,000	325,000				1,025,000

Funding Sources	2017	2018	2019	2020	2021	Total
Wastewater Utility Fund	700,000	325,000				1,025,000
Total	700,000	325,000				1,025,000

Desert Dunes Improvement Project

Total Cost	\$475,000
Type	Construction
Progress	Planning
Category	Wastewater
Location	Desert Dunes Water Reclamation Facility



Justification

The Desert Dunes Facility is 10 years old and minor improvements are needed in order to maintain effective plant operations. The 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 existing skimmers on the two final clarifiers have corroded, are no longer functional and must be replaced. Staff has no mechanism to remove/replace large in-line grinders within the headwork building due to the lack of overhead lifting system.

Description

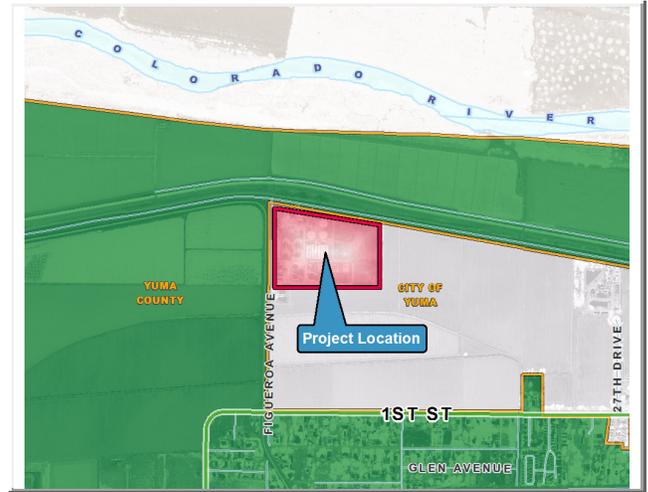
Install 3rd ground water monitoring well, replace final clarifier skimmers and install hoist/crane lifting system inside headwork building.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	475,000					475,000
Total	475,000					475,000

Funding Sources	2017	2018	2019	2020	2021	Total
Wastewater Utility Fund	475,000					475,000
Total	475,000					475,000

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. Without a permit the FAWPCF will not be permitted to discharge its treated effluent to the Colorado River.

Description

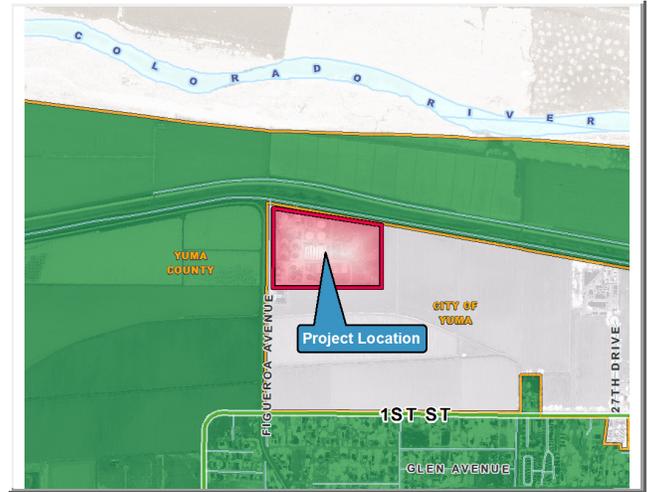
The project includes testing, modeling and document submittal to the AZPDES Permit Program for permit renewal.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	200,000					200,000
Total	200,000					200,000

Funding Sources	2017	2018	2019	2020	2021	Total
Wastewater Utility Fund	200,000					200,000
Total	200,000					200,000

Figueroa AWPCF Bar Screen Replacement

Total Cost	\$1,086,000
Type	Construction
Progress	Under Construction
Category	Wastewater
Location	Figueroa Avenue Water Pollution Control Facility (FAWPCF)



Justification

The bar screens are the first phase of the water treatment process. The screens prevent large untreatable objects and debris from entering the primary clarifiers and subsequently the digesters. Without operable bar screens debris can enter the primary clarifiers and cause extensive damage to the rake, arms and transfer pumps. The existing screens were originally installed in the mid 1990’s and the manufacturer no longer supports the make and model of the current screens.

Description

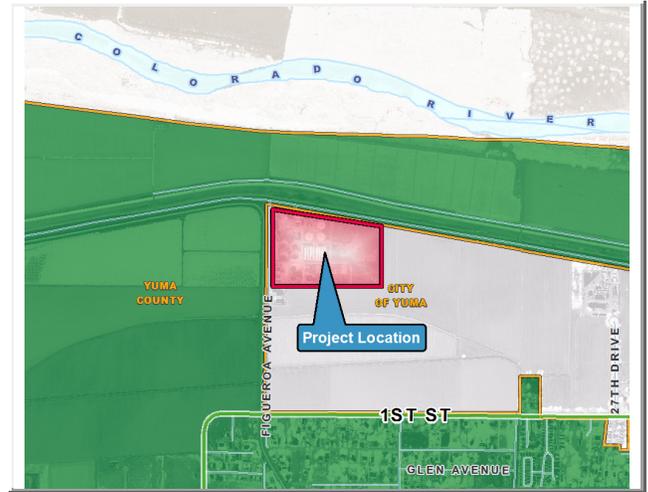
This project will replace two existing influent bar screens and electrical control system to prevent large untreatable objects and debris from entering the primary clarifiers and subsequently the digesters.

Expenditures	2017	2018	2019	2020	2021	Total
Inspection	50,000					50,000
Installation	1,036,000					1,036,000
Total	1,086,000					1,086,000

Funding Sources	2017	2018	2019	2020	2021	Total
Wastewater Utility Fund	1,086,000					1,086,000
Total	1,086,000					1,086,000

Figueroa AWPCF Biosolids Dewatering Process

Total Cost	\$575,000
Type	Construction
Progress	Under Construction
Category	Wastewater
Location	Figueroa Avenue Water Pollution Control Facility (FAWPCF)



Justification

Figueroa Avenue Water Pollution Control Facility (FAWPCF) produces Class B biosolids, Class B biosolids must be disposed of by certified personnel and annual disposition costs exceed \$700,000. Solar dry technology would enable the production of Class A biosolids, significantly decreasing operating expenditures and producing an environmentally friendly product.

Description

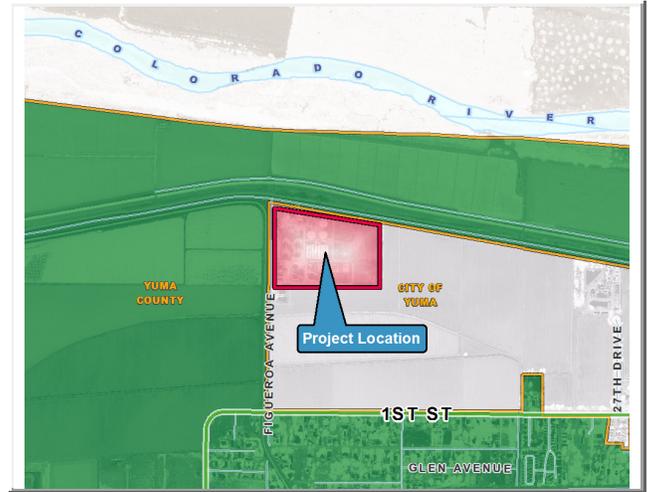
Design and construct a biosolids dewatering process capable of producing Environmental Protection Agency certified Class A biosolids.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	25,000					25,000
Construction	500,000					500,000
Inspection	50,000					50,000
Total	575,000					575,000

Funding Sources	2017	2018	2019	2020	2021	Total
Wastewater Utility Fund	575,000					575,000
Total	575,000					575,000

Figueroa AWPCF Electrical Upgrades

Total Cost	\$6,980,000
Type	Construction
Progress	Planning
Category	Facility Enhancement
Location	Figueroa Avenue Water Pollution Control Facility (FAWPCF)



Justification

The City completed an engineering feasibility study in 2015 of the Figueroa Facility. 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

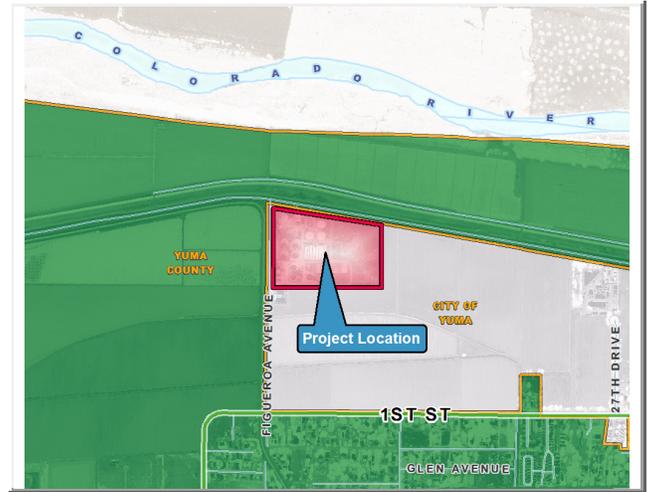
Replace the antiquated electrical service entrance and various motor control centers throughout the Facility.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	480,000					480,000
Construction		3,000,000	3,500,000			6,500,000
Total	480,000	3,000,000	3,500,000			6,980,000

Funding Sources	2017	2018	2019	2020	2021	Total
Wastewater Utility Fund	480,000	3,000,000	3,500,000			6,980,000
Total	480,000	3,000,000	3,500,000			6,980,000

Figueroa AWPCF On-Site Manhole Replacement

Total Cost	\$680,000
Type	Construction
Progress	Under Construction
Category	Wastewater
Location	Figueroa Avenue Water Pollution Control Facility (FAWPCF)



Justification

The existing manholes at the FAWPCF were constructed in the 1970's and are in need of repair or replacement.

Description

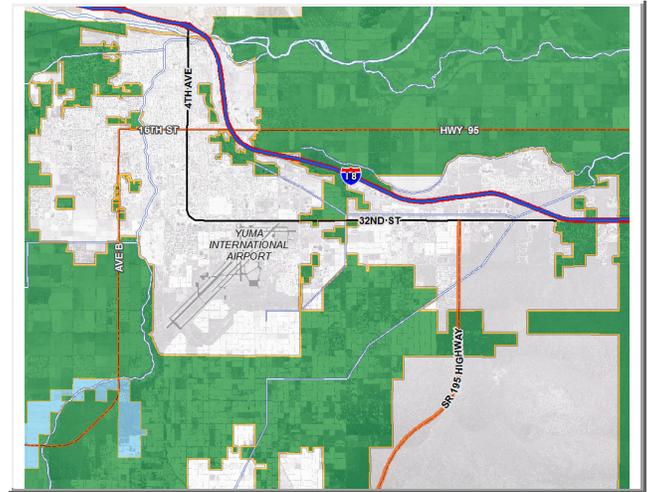
Evaluate, rehabilitate and/or replace in plant manholes as needed within FAWPCF.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	680,000					680,000
Total	680,000					680,000

Funding Sources	2017	2018	2019	2020	2021	Total
Wastewater Utility Fund	680,000					680,000
Total	680,000					680,000

Manhole Rehabilitation/Reconstruction

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

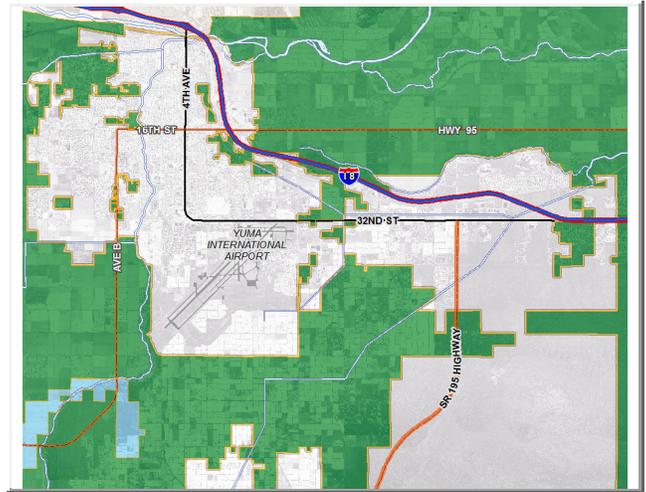
Replace failed concrete and brick manholes in order to prevent damage to nearby infrastructure.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	30,000	30,000	30,000	30,000	30,000	150,000
Construction	240,000	240,000	240,000	240,000	240,000	1,200,000
Inspection	30,000	30,000	30,000	30,000	30,000	150,000
Total	300,000	300,000	300,000	300,000	300,000	1,500,000

Funding Sources	2017	2018	2019	2020	2021	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
Location Citywide



Justification

Replace or repair damaged sanitary sewer lines as needed in order to maintain uninterrupted service.

Description

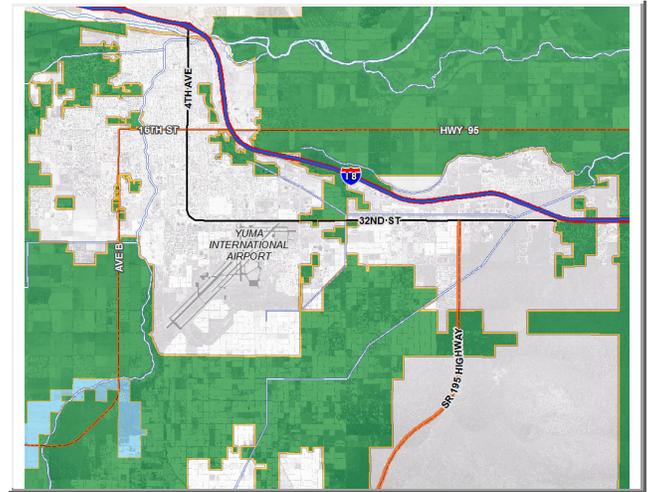
Replace damaged or compromised sanitary sewer lines where necessary or as defects are discovered through routine collection system inspections.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/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	2017	2018	2019	2020	2021	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
Location Citywide



Justification

The wastewater collection system currently has twenty-six sanitary waste water 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.

Description

This is an annual project to upgrade and/or refurbish sanitary wastewater lift stations as needed. 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	2017	2018	2019	2020	2021	Total
Planning/Design	20,000	20,000	20,000	20,000	20,000	100,000
Construction	265,000	265,000	265,000	265,000	265,000	1,325,000
Inspection	15,000	15,000	15,000	15,000	15,000	75,000
Total	300,000	300,000	300,000	300,000	300,000	1,500,000

Funding Sources	2017	2018	2019	2020	2021	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	Improvement
Progress	Planning
Category	Wastewater
Location	Desert Dunes Water Reclamation Facility



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 effluent and for potential industrial water users. Other funding sources will be pursued.

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	2017	2018	2019	2020	2021	Total
Planning/Design				200,000		200,000
Construction				960,000		960,000
Inspection				40,000		40,000
Total				1,200,000		1,200,000

Funding Sources	2017	2018	2019	2020	2021	Total
Other - Proposed				1,020,000		1,020,000
Wastewater Utility Fund				180,000		180,000
Total				1,200,000		1,200,000

Ferrous Chloride Injection System Upgrade

Total Cost \$1,500,000
Type Construction
Progress Design Complete
Category Wastewater
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 and 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 by moving tanks and pumping system outside of building.

Expenditures	2017	2018	2019	2020	2021	Total
Construction				1,425,000		1,425,000
Inspection				75,000		75,000
Total				1,500,000		1,500,000

Funding Sources	2017	2018	2019	2020	2021	Total
Wastewater Utility Fund				1,500,000		1,500,000
Total				1,500,000		1,500,000

Desert Dunes WRF UV Disinfection System Upgrades

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



Justification

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 will not proceed in the scheduled year unless funding is established.

Description

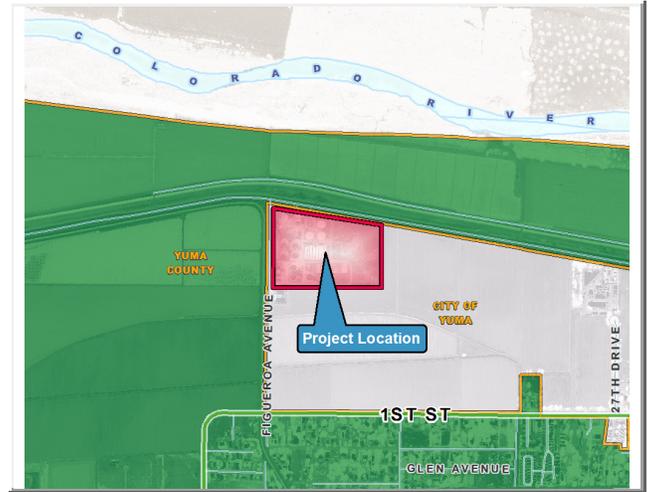
Enclose UltraViolet Disinfection System at Desert Dunes Water Reclamation Facility within a new building and replace existing system with new high efficiency system.

Expenditures	2017	2018	2019	2020	2021	Total
Construction					1,200,000	1,200,000
Total					1,200,000	1,200,000

Funding Sources	2017	2018	2019	2020	2021	Total
Wastewater Utility Fund					1,200,000	1,200,000
Total					1,200,000	1,200,000

Figueroa AWPCF Corrosion Control

Total Cost	\$1,300,000
Type	Improvement
Progress	Planning
Category	Wastewater
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 will be pursued.

Description

This project will consist of the research, design, and construction of a corrosion control system for the Figueroa Avenue Water Pollution Control Facility.

Expenditures	2017	2018	2019	2020	2021	Total
Construction					1,300,000	1,300,000
Total					1,300,000	1,300,000

Funding Sources	2017	2018	2019	2020	2021	Total
Other - Proposed					1,200,000	1,200,000
Wastewater Utility Fund					100,000	100,000
Total					1,300,000	1,300,000

Septic Waste Receiving Station

Total Cost \$100,000
Type Construction
Progress Planning
Category Wastewater
Location 36th Street and Avenue 3E Liftstation
Planning Context
 Utilities Department Five Year Strategic Plan



Justification

Currently septic tank pumpers haul and dispose of septic tank waste at remote landfill locations. To 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

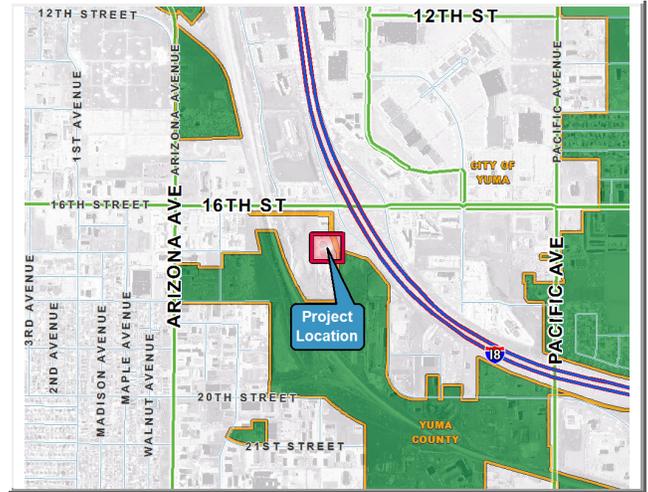
Install turn-key septic tank pumper receiving, monitoring and metering station at the 36th Street and Avenue 3E wastewater lift station.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design					10,000	10,000
Construction					85,000	85,000
Inspection					5,000	5,000
Total					100,000	100,000

Funding Sources	2017	2018	2019	2020	2021	Total
Wastewater Utility Fund					100,000	100,000
Total					100,000	100,000

16th Street Water Tanks Exterior Recoat

Total Cost	\$780,000
Type	Maintenance
Progress	Planning
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	2017	2018	2019	2020	2021	Total
Construction	780,000					780,000
Total	780,000					780,000

Funding Sources	2017	2018	2019	2020	2021	Total
Water Utility Fund	780,000					780,000
Total	780,000					780,000

Agua Viva Well No. 1 Replacement

Total Cost	\$1,070,000
Type	Construction
Progress	Planning
Category	Water
Location	Agua Viva Water Treatment Plant



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. Other external funding is actively being pursued.

Description

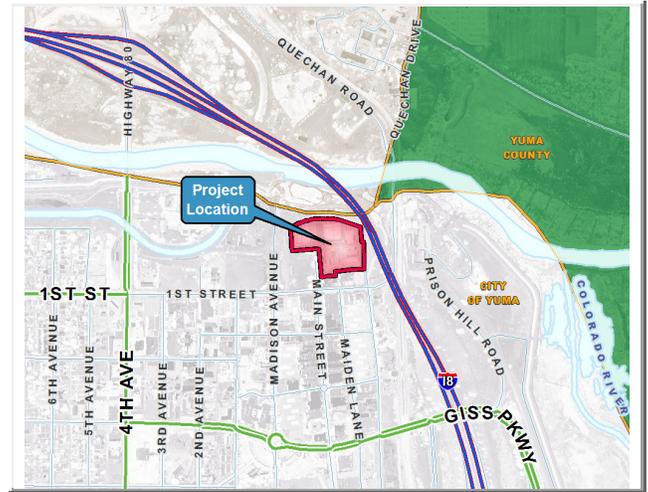
Abandon well no. 1 and replace it with a well that produces a minimum flow of 3.0 million gallons per day.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	70,000					70,000
Construction		950,000				950,000
Inspection		50,000				50,000
Total	70,000	1,000,000				1,070,000

Funding Sources	2017	2018	2019	2020	2021	Total
Other - Proposed		1,000,000				1,000,000
Water Utility Fund	70,000					70,000
Total	70,000	1,000,000				1,070,000

Main Street WTP Filter System Upgrade

Total Cost \$7,200,000
Type Improvement
Progress Planning
Category Water
Location Main Street Water Treatment Plant (WTP)



Justification

The existing filter and backwash system 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 (2016-17)

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

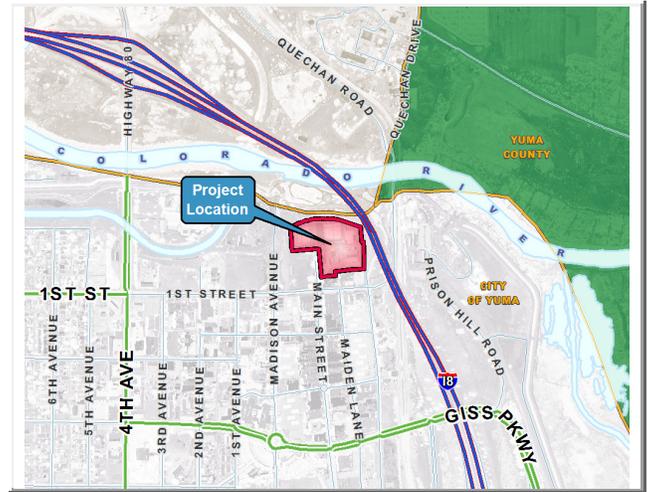
Phase III - Refurbish/Repair under drain and replace media in filters 9-12 (TBD)

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	200,000		200,000		200,000	600,000
Construction	2,100,000		2,100,000		2,100,000	6,300,000
Inspection	100,000		100,000		100,000	300,000
Total	2,400,000		2,400,000		2,400,000	7,200,000

Funding Sources	2017	2018	2019	2020	2021	Total
Water Utility Fund	2,400,000		2,400,000		2,400,000	7,200,000
Total	2,400,000		2,400,000		2,400,000	7,200,000

Main Street WTP Sediment Basins Improvements

Total Cost \$400,000
Type Construction
Progress Planning
Category Water
Location Main Street Water Treatment Facility



Justification

The concrete in the intake channels of basins is beginning to spall and 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

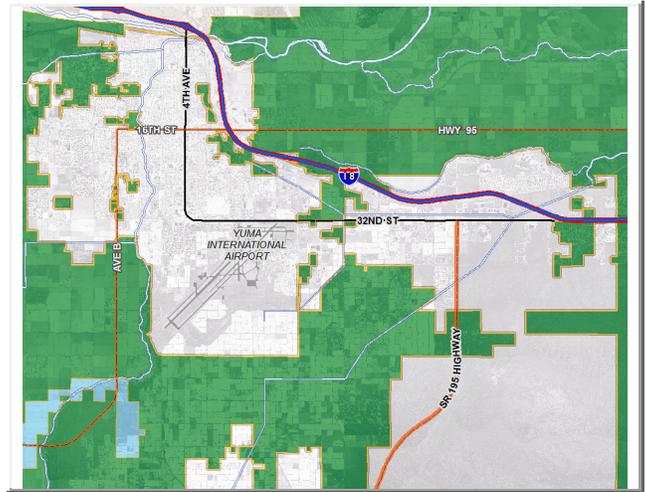
Repair spalling concrete within basin intake channels, replace redwood baffles and recoat steel launders and rake arms in sedimentation basins 1 and 2.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	40,000					40,000
Construction		360,000				360,000
Total	40,000	360,000				400,000

Funding Sources	2017	2018	2019	2020	2021	Total
Water Utility Fund	40,000	360,000				400,000
Total	40,000	360,000				400,000

New Water Services

Total Cost \$240,000
Type Improvement
Progress Contingency Project
Category Water
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

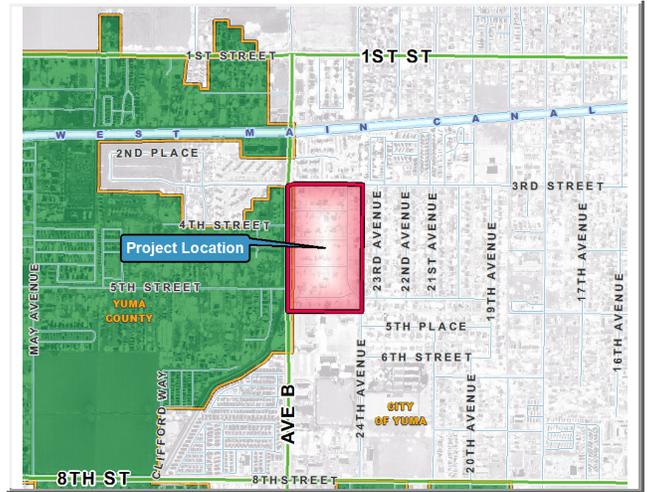
New service installations include water meter boxes, polyvinyl chloride pipe and fittings.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	35,000	45,000	50,000	55,000	55,000	240,000
Total	35,000	45,000	50,000	55,000	55,000	240,000

Funding Sources	2017	2018	2019	2020	2021	Total
Water Utility Fund	35,000	45,000	50,000	55,000	55,000	240,000
Total	35,000	45,000	50,000	55,000	55,000	240,000

Pecan Grove Neighborhood Waterline Replacement

Total Cost	\$960,000
Type	Improvement
Progress	Planning
Category	Water
Location	Pecan Grove Neighborhood



Justification

The existing waterlines were installed in 1949. Due to the age of these lines and with limited or no access, existing lines should be abandoned and new larger lines installed within the existing street right of way fronting each property.

Description

Replace existing 4 inch asbestos cement waterlines currently serving each residential parcel with new larger 6 inch and 8 inch Polyvinyl Chloride waterlines in the street right of way fronting each residential parcel. Service lines entering each home will be relocated from the back to the front of the property requiring temporary construction easements and repair or replacement of existing landscape, driveways, etc.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	950,000					950,000
Inspection	10,000					10,000
Total	960,000					960,000

Funding Sources	2017	2018	2019	2020	2021	Total
Bond - Water	960,000					960,000
Total	960,000					960,000

Systems Division Relocation

Total Cost \$1,900,000
Type Construction
Progress Planning
Category Facility
Location 200-298 W 13th Street



Justification

The target location for the new fleet facility is the site known as the former “APS” building which currently houses the Department’s System Division Personnel. In order to make room for phase two of the new fleet facility a new location of the Utility Department personnel must be built.

Description

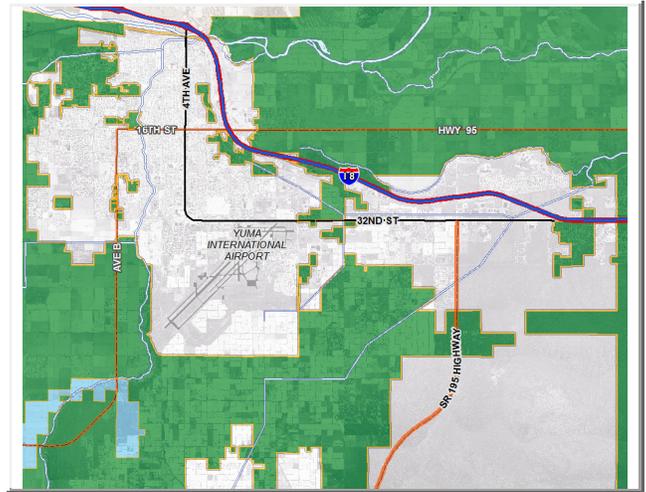
Construct a new building for the Utility Department’s System Division personnel.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	100,000	100,000				200,000
Construction			1,700,000			1,700,000
Total	100,000	100,000	1,700,000			1,900,000

Funding Sources	2017	2018	2019	2020	2021	Total
Wastewater Utility Fund	50,000	50,000	850,000			950,000
Water Utility Fund	50,000	50,000	850,000			950,000
Total	100,000	100,000	1,700,000			1,900,000

Water Main Replacement Annual Project

Total Cost \$6,650,000
Type Improvement
Progress Under Design
Category Water
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

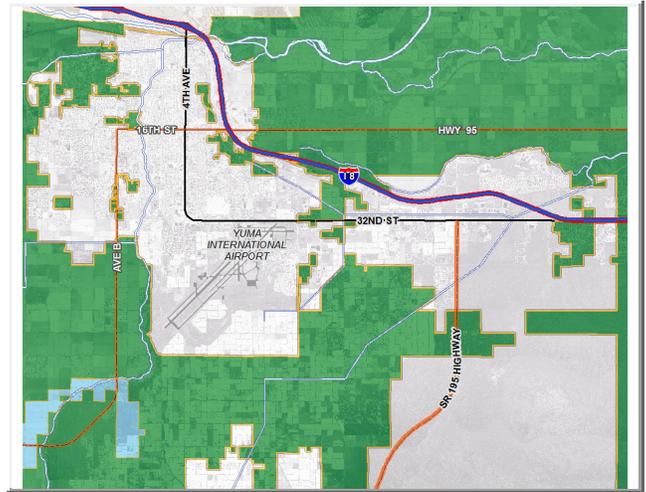
Approximately 1 to 2 miles of undersized or aging water distribution mains throughout the water distribution system will be replaced annually. No dig pipe bursting technology will be utilized where possible. Pavement will be replaced where pipe bursting technology is not utilized.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	100,000	100,000	100,000	100,000	100,000	500,000
Construction	1,450,000	800,000	800,000	1,300,000	1,300,000	5,650,000
Inspection	100,000	100,000	100,000	100,000	100,000	500,000
Total	1,650,000	1,000,000	1,000,000	1,500,000	1,500,000	6,650,000

Funding Sources	2017	2018	2019	2020	2021	Total
Bond - Water	1,650,000					1,650,000
Water Utility Fund		1,000,000	1,000,000	1,500,000	1,500,000	5,000,000
Total	1,650,000	1,000,000	1,000,000	1,500,000	1,500,000	6,650,000

Waterline Replacement/Improvements

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



Justification

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

Description

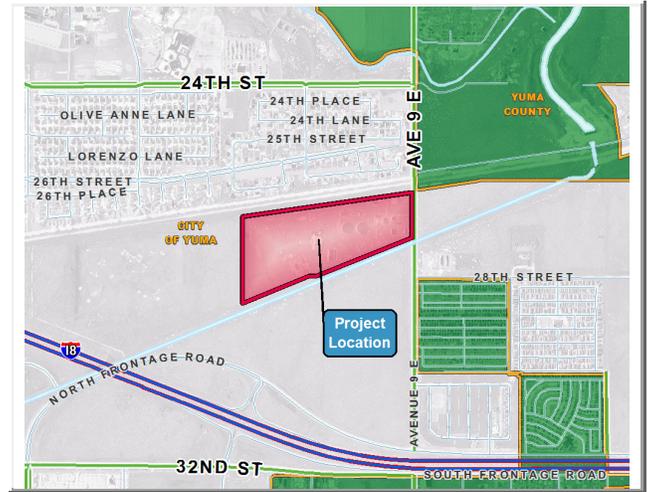
Replace cast iron and asbestos cement or undersized waterline extensions.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	15,000	15,000	15,000	15,000	15,000	75,000
Construction	225,000	225,000	225,000	225,000	225,000	1,125,000
Inspection	10,000	10,000	10,000	10,000	10,000	50,000
Total	250,000	250,000	250,000	250,000	250,000	1,250,000

Funding Sources	2017	2018	2019	2020	2021	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 Membrane Replacement

Total Cost	\$600,000
Type	Maintenance
Progress	Planning
Category	Water
Location	Agua Viva Water Treatment Plant



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 a year.

Expenditures	2017	2018	2019	2020	2021	Total
Installation				300,000	300,000	600,000
Total				300,000	300,000	600,000

Funding Sources	2017	2018	2019	2020	2021	Total
Water Utility Fund				300,000	300,000	600,000
Total				300,000	300,000	600,000

Avenue 4E and 36th Street Water Main Intersection

Total Cost	\$250,000
Type	Construction
Progress	Design Complete
Category	Water
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 to 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

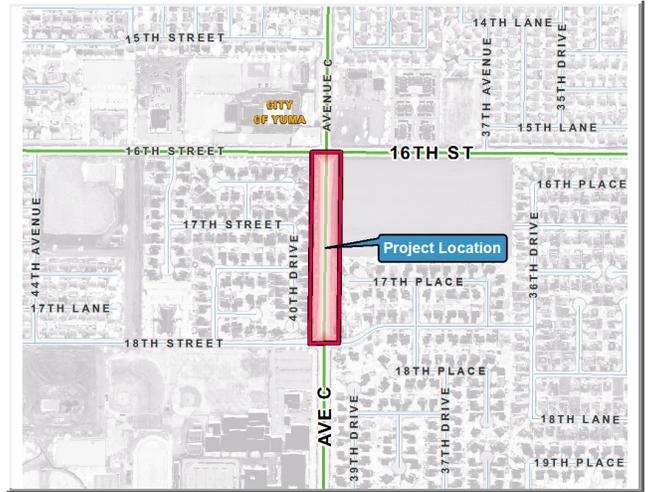
Install a 10 inches of polyvinyl chloride pipe water main from 36th Street and Avenue 4E west approximately 760 feet and connect to existing blow-off valve.

Expenditures	2017	2018	2019	2020	2021	Total
Construction				245,000		245,000
Inspection				5,000		5,000
Total				250,000		250,000

Funding Sources	2017	2018	2019	2020	2021	Total
Water Utility Fund				250,000		250,000
Total				250,000		250,000

Avenue C - 16th to 18th Street Waterline

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



Justification

The existing polyvinyl chloride pipe has failed. The failure is believed to be attributable to inconsistencies in the pipe material composition. The line is splitting along the length of the pipe in several locations. Line failure has resulted in shut-downs and isolations of the affected line and created water quality issues in this area.

Description

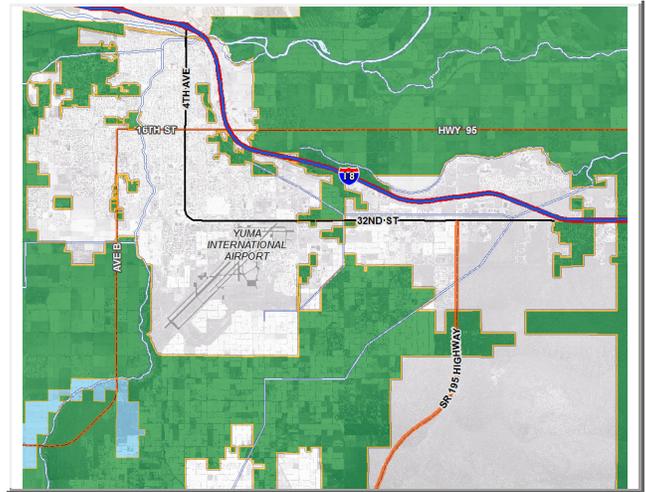
Replace approximately 1,000 lineal feet of 12 inch polyvinyl chloride pipe along Avenue C from 16th Street to 18th Street.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design				30,000		30,000
Construction				350,000		350,000
Inspection				20,000		20,000
Total				400,000		400,000

Funding Sources	2017	2018	2019	2020	2021	Total
Water Utility Fund				400,000		400,000
Total				400,000		400,000

TTHM Air Stripping Tank System

Total Cost	\$1,490,000
Type	Equipment
Progress	Planning
Category	Water
Location	Water Tanks Citywide



Justification

The Environmental Protection Agency and Arizona Department of Environmental Quality stage 2 disinfection by-product rules require water distribution systems maintain new, more stringent, trihalomethanes (TTHM) levels within the water distribution system. New aeration systems installed in water storage tanks volatilize and remove TTHM's created as water ages in the tanks. By installing new or upgrading existing tank mixers the City will avoid installing costly upgrades at each of the City's water treatment plants.

Description

Install new potable water storage tank mixers and aeration units in order to volatilize and remove TTHM's from the potable water supplies.

Phase I - Friendship Tower (2020)

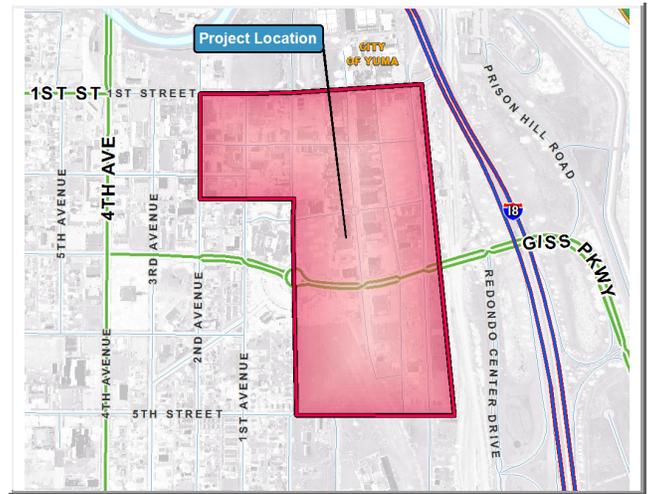
Phase II - Agua Viva Water Treatment Plant Tanks 1 & 2 (2021)

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design				100,000		100,000
Construction				1,370,000		1,370,000
Inspection				20,000		20,000
Total				1,490,000		1,490,000

Funding Sources	2017	2018	2019	2020	2021	Total
Water Utility Fund				1,490,000		1,490,000
Total				1,490,000		1,490,000

Downtown Revitalization

Total Cost \$400,000
Type Improvement
Progress Planning
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

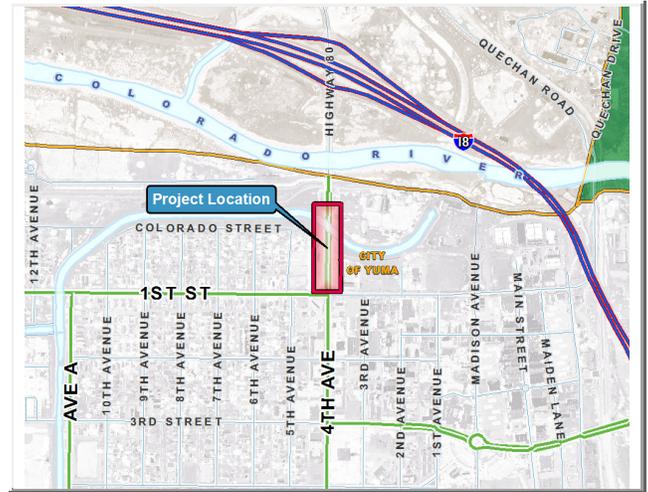
The YCNHA and the City have worked to preserve green space in the downtown, encourage new sustainable and historically-sensitive development, and promote a more livable City center. However both the City and the Heritage Area’s plans for the historic downtown focus on the economic and community development 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	2017	2018	2019	2020	2021	Total
Planning/Design	400,000					400,000
Total	400,000					400,000

Funding Sources	2017	2018	2019	2020	2021	Total
Grant	400,000					400,000
Total	400,000					400,000

Fourth Avenue Gateway

Total Cost \$787,000
Type Improvement
Progress Under Design
Category Street Improvement
Location 4th Avenue - State Line to 1st Street



Justification

This project will enhance the Gateway into Arizona and the Yuma Community as well as address the abandonment of right-of-way from Arizona Department of Transportation (ADOT) to the City on 4th Avenue. This project will greatly enhance the historic Port of Entry and create a sense of arrival for visitors. The project limits begin at the state line on North 4th Avenue and extend through to 1st Street, approximately .28 miles. This project is funded by the ADOT and the Federal Highway Administration (FHWA).

Description

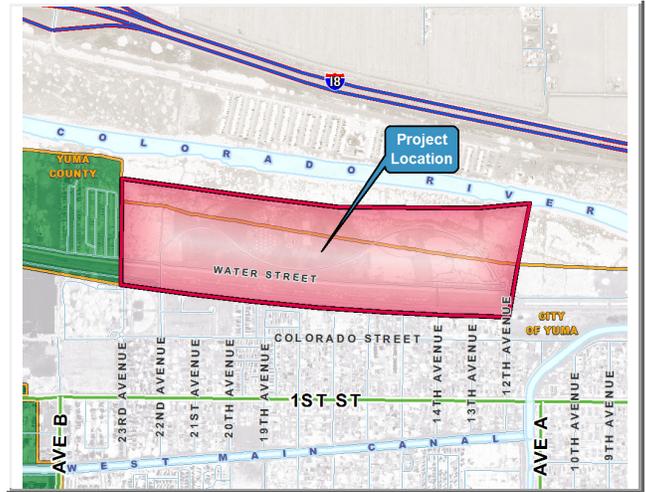
Rehabilitate the 1956 ADOT Port of Entry building by improving the Façade. Welcome and way finding signage will be installed as well as landscape and hardscape features. Landscape and decorative planter walls will be added to the median. A 10 foot wide multiuse path with pedestrian lighting will be constructed. The multiuse path on the east side will connect to the Yuma Canal Pathway at its northern terminus and to the existing sidewalk at the south terminus.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	112,000					112,000
Construction	647,000					647,000
Inspection	28,000					28,000
Total	787,000					787,000

Funding Sources	2017	2018	2019	2020	2021	Total
Grant	632,000					632,000
Highway Users Revenue Fund	155,000					155,000
Total	787,000					787,000

West Wetlands Lower Bench Completion

Total Cost \$135,000
Type Improvement
Progress Design Complete
Category Improvement
Location West Wetlands Park



Justification

Expanding riverfront access for the public is a City priority. Gateway Park is often at capacity during the busy summer months. A relatively small investment can yield considerable benefits, as the existing parking, restroom, and road infrastructure are already in place.

Description

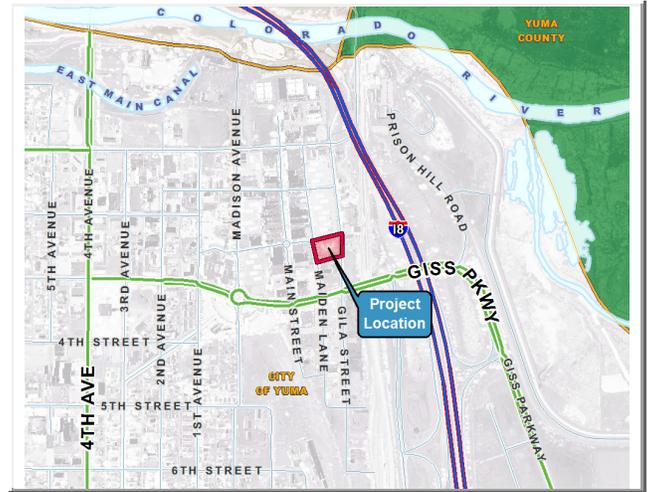
Lower Bench improvements will include two beaches, bank line restoration, trails, interpretive signs and pond restoration.

Expenditures	2017	2018	2019	2020	2021	Total
Construction	135,000					135,000
Total	135,000					135,000

Funding Sources	2017	2018	2019	2020	2021	Total
Bond - General	50,000					50,000
Grant	85,000					85,000
Total	135,000					135,000

Yuma Multimodal Center

Total Cost	\$17,363,000
Type	Reconstruction
Progress	Under Design
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	2017	2018	2019	2020	2021	Total
Planning/Design	1,206,000	254,000				1,460,000
Construction		903,000	14,600,000			15,503,000
Inspection			400,000			400,000
Total	1,206,000	1,157,000	15,000,000			17,363,000

Funding Sources	2017	2018	2019	2020	2021	Total
Grant	964,800	925,488				1,890,288
Other - Proposed			15,000,000			15,000,000
Two Percent Tax	241,200	231,512				472,712
Total	1,206,000	1,157,000	15,000,000			17,363,000

YEARS 2022 THROUGH 2026

Capital Improvement Program

City of Yuma, Arizona

Project Name

Department

2022

TRT Building Collapse/Confined Space Prop	Public Safety
PS Training Facility Vehicle Shade Cover	Public Safety
Storm Water Drainage - Del Oro Estates	Stormwater Control
32nd Street and Pacific Avenue Intersection	Transportation
La Mesa Hermosa Pavement Replacement	Transportation
Pacific Avenue - 12th Street to Levee	Transportation
Pacific Avenue - 28th to 32nd Street Sidewalk	Transportation
Manhole Rehabilitation/Reconstruction	Wastewater Utility
Sewer Line Replacements/Improvements	Wastewater Utility
Desert Dunes UV Modification and Improvements	Wastewater Utility
Wastewater Vac Truck Dump Station Upgrades	Wastewater Utility
Wastewater Collection System Lift Station Upgrades	Wastewater Utility
Agua Viva Membrane Replacement	Water Utility
New Water Services	Water Utility
Waterline Replacement/Improvements	Water Utility
Loma Vista Subdivision Water Service Line Repl.	Water Utility
Strategic Groundwater Wells and Filtration System	Water Utility
Water Main Replacement Annual Project	Water Utility

2023

West Mesa Drainage Improvements	Stormwater Control
28th Street - 45th Avenue to Avenue C	Transportation
Avenue 3 1-2 E 32 to 40 Pavement Replacement	Transportation
32nd Street and Avenue 5E Turn Lanes	Transportation
Pueblecito Pavement Replacement	Transportation
Pacific Avenue-16th to 24th Street Pedestrian Imp	Transportation
Manhole Rehabilitation/Reconstruction	Wastewater Utility
Sewer Line Replacements/Improvements	Wastewater Utility
Figuroa 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 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

West Wetlands Loop Road & Utility Build-Out	Parks and Recreation
Yuma Civic Center Parking Lot Paving	Parks and Recreation
Fire Station 8 (A) - 36th Street & Avenue 4E	Public Safety
8th Street-Avenue D to Avenue C	Transportation
Manhole Rehabilitation/Reconstruction	Wastewater Utility
Sewer Line Replacements/Improvements	Wastewater Utility

Project Name	Department
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 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 Avenue 7E Turn Lane	Transportation
8th Street and Pacific Avenue Improvements	Transportation
32nd Street and Arizona Avenue Turn Lane	Transportation
Avenue 9E-28th Street to N. Frontage Road	Transportation
Manhole Rehabilitation/Reconstruction	Wastewater Utility
Sewer Line Replacements/Improvements	Wastewater Utility
Figueroa AWPCF Primary Clarifier 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 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

Yuma East Athletic Park	Parks and Recreation
PSTF Police Tactical Training Village	Public Safety
Arizona Avenue - 32nd to 40th Street	Transportation
24th Street - North Frontage Road Widening	Transportation
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 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

POTENTIAL INFRASTRUCTURE PROJECTS

Capital Improvement Program

City of Yuma, Arizona

Parks and Recreation

<u>Status</u>	<u>Project Name</u>
P.I.P.	Avenue C¾ 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

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.	40th Street - Arizona Avenue to Avenue A
P.I.P.	Avenue C - 24th Street to 32nd Street
P.I.P.	Fortuna Avenue Northend to 32nd Street Pavement
P.I.P.	Shorth Way-30th to 32nd Street Paving
P.I.P.	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.	14th Avenue-12th Street to 15th Street Paving
P.I.P.	45th Avenue 16th Street to 20th 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.	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 6¾E 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

PROJECT INDEX
Capital Improvement Program
City of Yuma, Arizona

Projects	Year	Department	Page
12th Street - 21st Drive to Avenue B Paving	2020	Transportation	57
14th Street - 1st to 4th Avenue Paving	2019	Transportation	49
16th Street - Avenue B to C Paving	2019	Transportation	50
16th Street - Maple to 1st Avenue Turn Lane	2017	Transportation	26
16th Street & 4th Avenue Intersection Improvements	2017	Transportation	27
16th Street and Pacific Avenue Turn Lane	2019	Transportation	51
16th Street Water Tanks Exterior Recoat	2017	Water Utility	84
18th Street and Avenue C Traffic Signal	2019	Transportation	52
1st Avenue - 12th to 16th Street Paving	2017	Transportation	28
1st Avenue - 24th to 26th Street Paving	2017	Transportation	29
1st Avenue - Orange Avenue to 9th Street Paving	2017	Transportation	30
1st to Colorado Street-Avenue A to 23rd Ave Paving	2021	Transportation	63
20th Place Paving	2020	Transportation	64
22nd Street - Avenue A to 4th Avenue Paving	2017	Transportation	31
24th Street - Avenue B to C Improvements	2017	Transportation	32
24th Street and 1st Avenue Turn Lane	2019	Transportation	53
24th Street Lift Station Replacement	2017	Wastewater Utility	68
28th Street - Avenue B to C Improvements	2019	Transportation	58
32nd Street and Avenue 8E Turn Lane	2021	Transportation	65
32nd Street Manhole Rehabilitation	2017	Wastewater Utility	69
32nd Street Pavement Preservation	2017	Transportation	33
3rd and Orange Avenue - 8th to 14th Street, 3rd to 4th Avenue Paving	2017	Transportation	34
40th Street Multiuse Path	2017	Transportation	35
46th Avenue Storm Drain	2017	Stormwater Control	22
4th Avenue and Big Curve Turn Lane	2017	Transportation	36
56th Street Pavement Overlay	2017	Transportation	37
Agua Viva Membrane Replacement	2020	Water Utility	93
Agua Viva Well No. 1 Replacement	2017	Water Utility	85
Airport Loop Road Improvements	2019	Transportation	54
Arizona Ave - Palo Verde to Country Club Dr Paving	2017	Transportation	38
Atmar Subdivision 1 and 2 Paving	2020	Transportation	59
Avenue 10E Improvements	2018	Transportation	48
Avenue 4E and 36th Street Water Main Intersection	2020	Water Utility	94
Avenue 9E Railroad Crossing Quiet Zone	2017	Transportation	39
Avenue A - 32nd to 36th Street Paving	2020	Transportation	60
Avenue C - 16th to 18th Street Waterline Replacement	2020	Water Utility	95
Catalina Drive - 32nd Street to 4th Avenue Paving	2017	Transportation	40
Citywide Safety Improvements	2017	Transportation	41
Civic Center Sunset Terrace Expansion	2017	Parks and Recreation	15
Desert Dunes Improvement Project	2017	Wastewater Utility	70
Desert Dunes WRF Reclaimed Water System	2020	Wastewater Utility	79
Desert Dunes WRF UV Disinfection System Upgrade	2021	Wastewater Utility	81
Downtown Revitalization	2016	Yuma Crossing National Heritage Area	97
Ferrous Chloride Injection System Upgrade	2020	Wastewater Utility	80
Figueroa AWPCF AZPDES Renewal	2017	Wastewater Utility	71

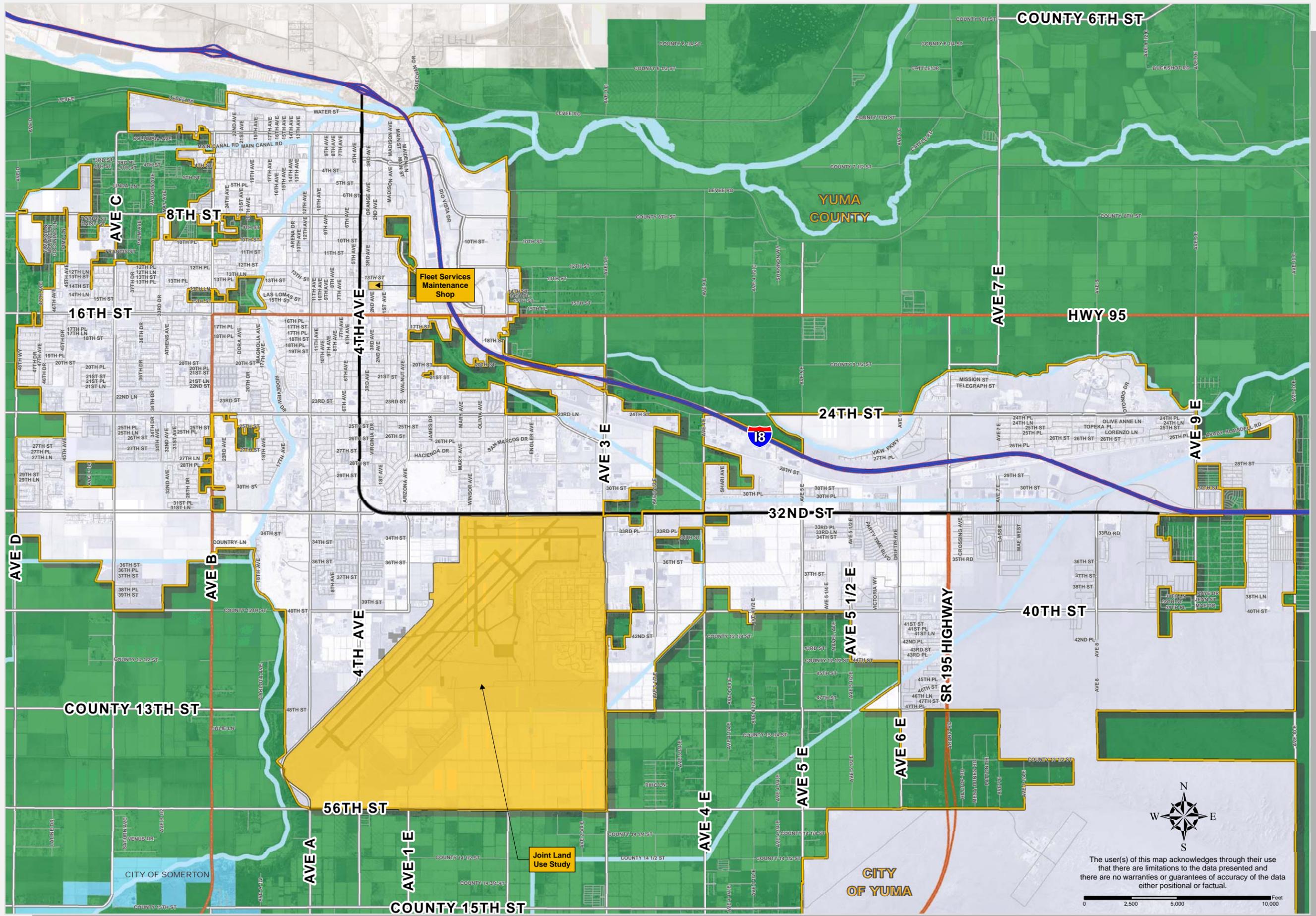
Projects	Year	Department	Page
Figueroa AWPCF Bar Screen Replacement	2017	Wastewater Utility	72
Figueroa AWPCF Biosolids Dewatering Process	2017	Wastewater Utility	73
Figueroa AWPCF Corrosion Control	2021	Wastewater Utility	82
Figueroa AWPCF Electrical Upgrades	2017	Wastewater Utility	74
Figueroa AWPCF On-Site Manhole Replacement	2017	Wastewater Utility	75
Fire Station 4 Remodel	2019	Public Safety	19
Fire Station 7	2021	Public Safety	21
Fleet Services Maintenance Shop	2017	General Government	13
Fourth Avenue Gateway	2016	Yuma Crossing National Heritage Area	98
Gila Street - 1st Street to Giss Parkway Paving	2017	Transportation	42
Joint Land Use Study	2017	General Government	14
Main Street WTP Filter System Upgrade	2017	Water Utility	86
Main Street WTP Sediment Basins Improvements	2017	Water Utility	87
Manhole Rehabilitation/Reconstruction	2017	Wastewater Utility	76
Meadowbrook Subdivision Paving	2021	Transportation	66
New Water Services	2017	Water Utility	88
Pacific Avenue Athletic Complex	2017	Parks and Recreation	16
Palo Verde St - Catalina Dr to Arizona Ave Paving	2017	Transportation	43
Pecan Grove Neighborhood Waterline Replacement	2017	Water Utility	89
Police Station Parking Garage Repairs	2017	Public Safety	18
Police Storage Facility	2020	Public Safety	20
Rancho Verde Subdivision Paving	2017	Transportation	44
San Carlos Subdivision Paving	2020	Transportation	61
Sanguinetti Manor Subdivision Paving	2020	Transportation	62
Septic Waste Receiving Station	2021	Wastewater Utility	83
Sewer Line Replacement/Improvement	2017	Wastewater Utility	77
Smucker Regional Storm Drain Basin	2017	Stormwater Control	23
South Frontage Road-Avenue 91/2E to Avenue 10E	2017	Transportation	45
South McDaniels Avenue Paving	2019	Transportation	55
Stewart Vincent Wolfe Creative Playground	2017	Parks and Recreation	17
Storm Water Lift Station Upgrade	2017	Stormwater Control	24
Sunset Terrace Storm Drain	2017	Stormwater Control	25
Systems Division Relocation	2017	Water Utility	90
Taylor Subdivision Paving	2019	Transportation	56
Traffic Signals Upgrade	2017	Transportation	46
Triple S Industrial Park Paving	2021	Transportation	67
TTHM Air Stripping Tank System	2020	Water Utility	96
Wastewater Collection System Lift Station Upgrade	2017	Wastewater Utility	78
Water Main Replacement Annual Project	2017	Water Utility	91
Waterline Replacement/Improvements	2017	Water Utility	92
West Main Canal Multi-use Path	2017	Transportation	47
West Wetlands Lower Bench Completion	2016	Yuma Crossing National Heritage Area	99
Yuma Multimodal Center	2016	Yuma Crossing National Heritage Area	100

Capital Improvement Program General Government FY 2017

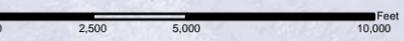
General Government Projects
 City of Yuma
 Yuma County



Map-1



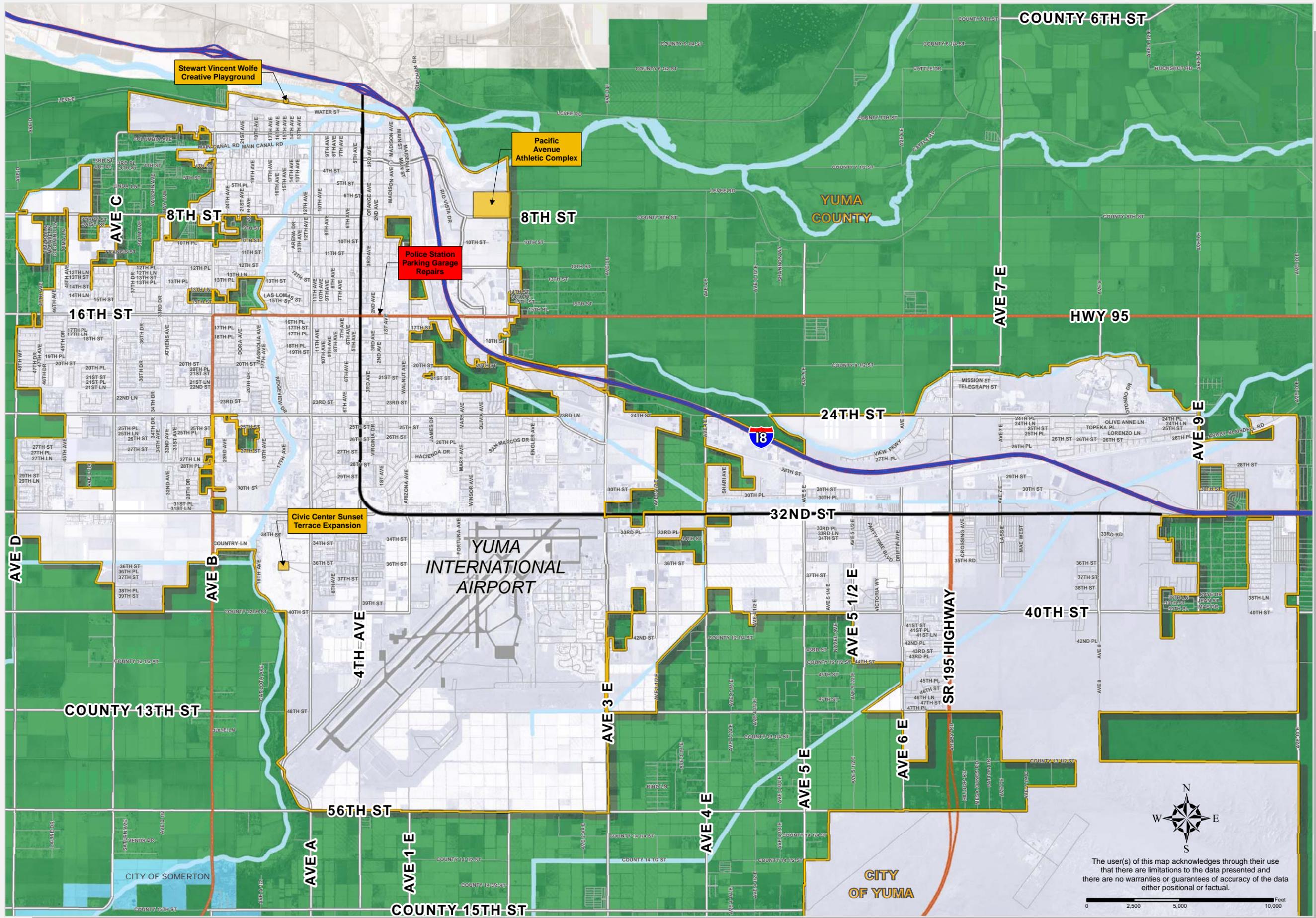

The user(s) of this map acknowledges through their use that there are limitations to the data presented and there are no warranties or guarantees of accuracy of the data either positional or factual.



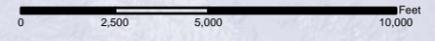
Capital Improvement Program Parks and Recreation/ Public Safety-FY 2017

-  Parks and Recreation Projects
-  Police Department Projects
-  City of Yuma
-  Yuma County

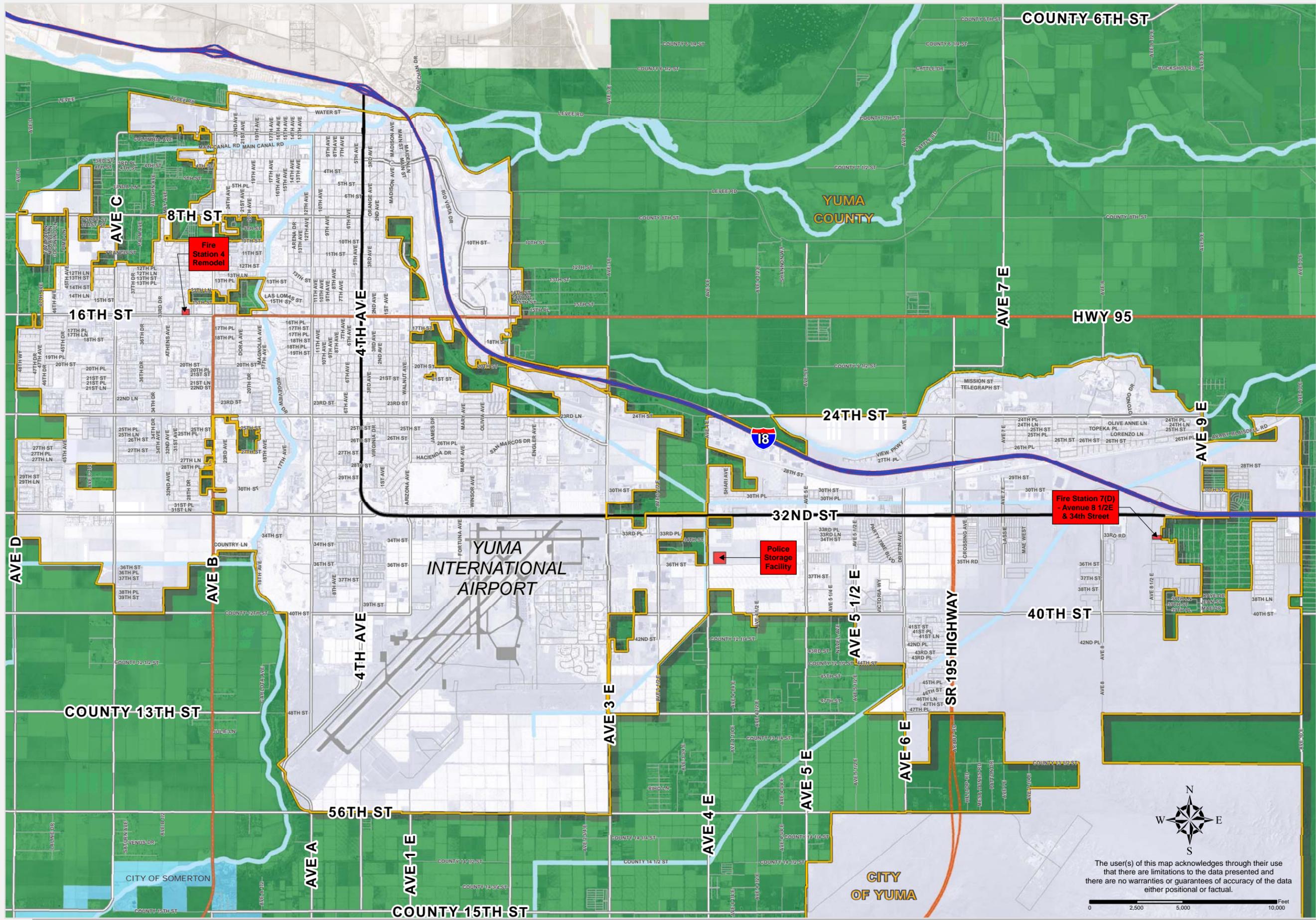
Map-2



The user(s) of this map acknowledges through their use that there are limitations to the data presented and there are no warranties or guarantees of accuracy of the data either positional or factual.



Capital Improvement Program Public Safety FY 2018-21

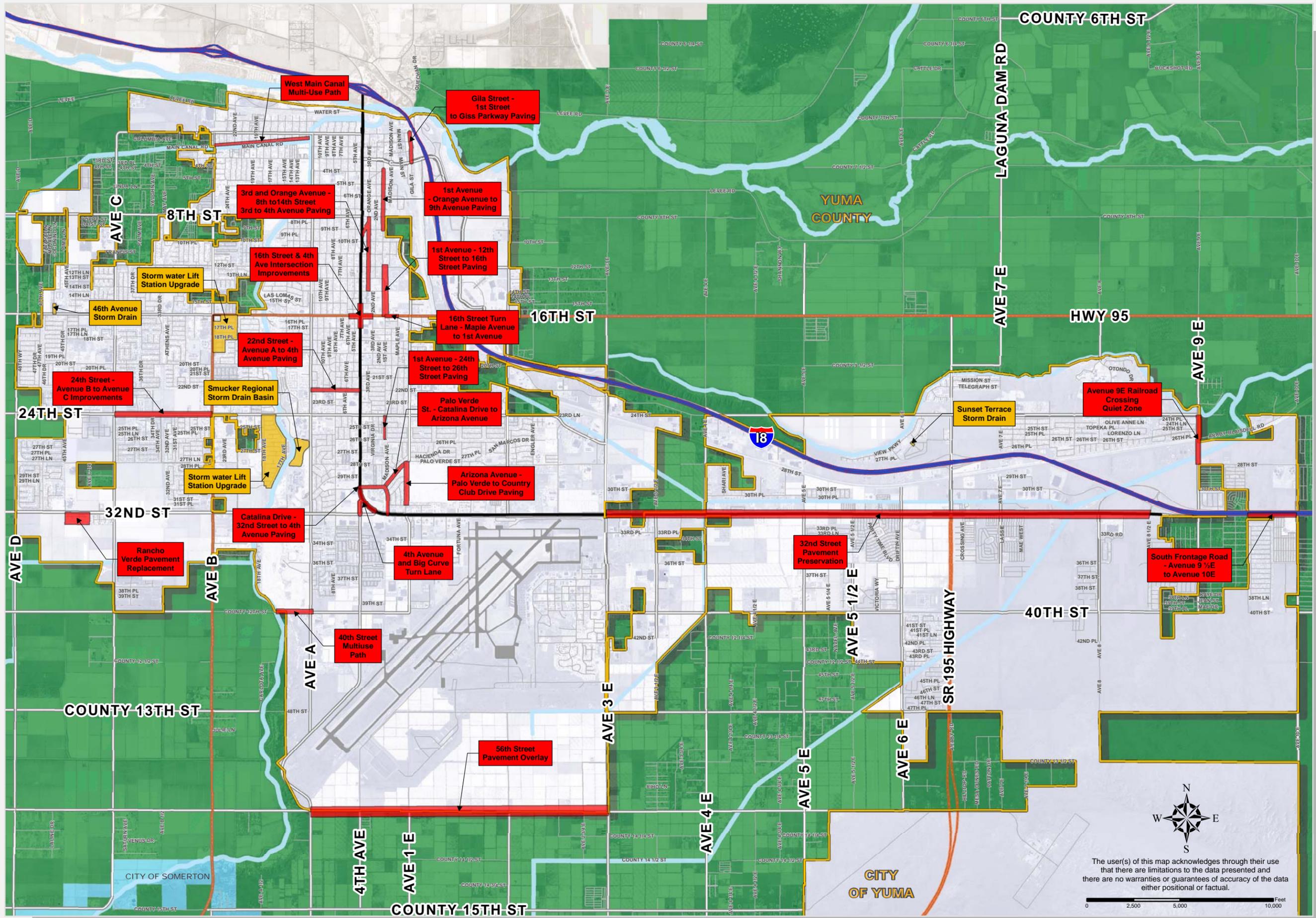


Public Safety Projects
 City of Yuma
 Yuma County

Map-2

The user(s) of this map acknowledges through their use that there are limitations to the data presented and there are no warranties or guarantees of accuracy of the data either positional or factual.

Capital Improvement Program Stormwater Control/ Transportation-FY 2017

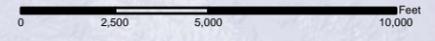


Transportation Projects
Stormwater Control Projects
 City of Yuma
 Yuma County

*NOTE: Citywide Projects
 Citywide Safety Improvements
 Traffic Signals Upgrade

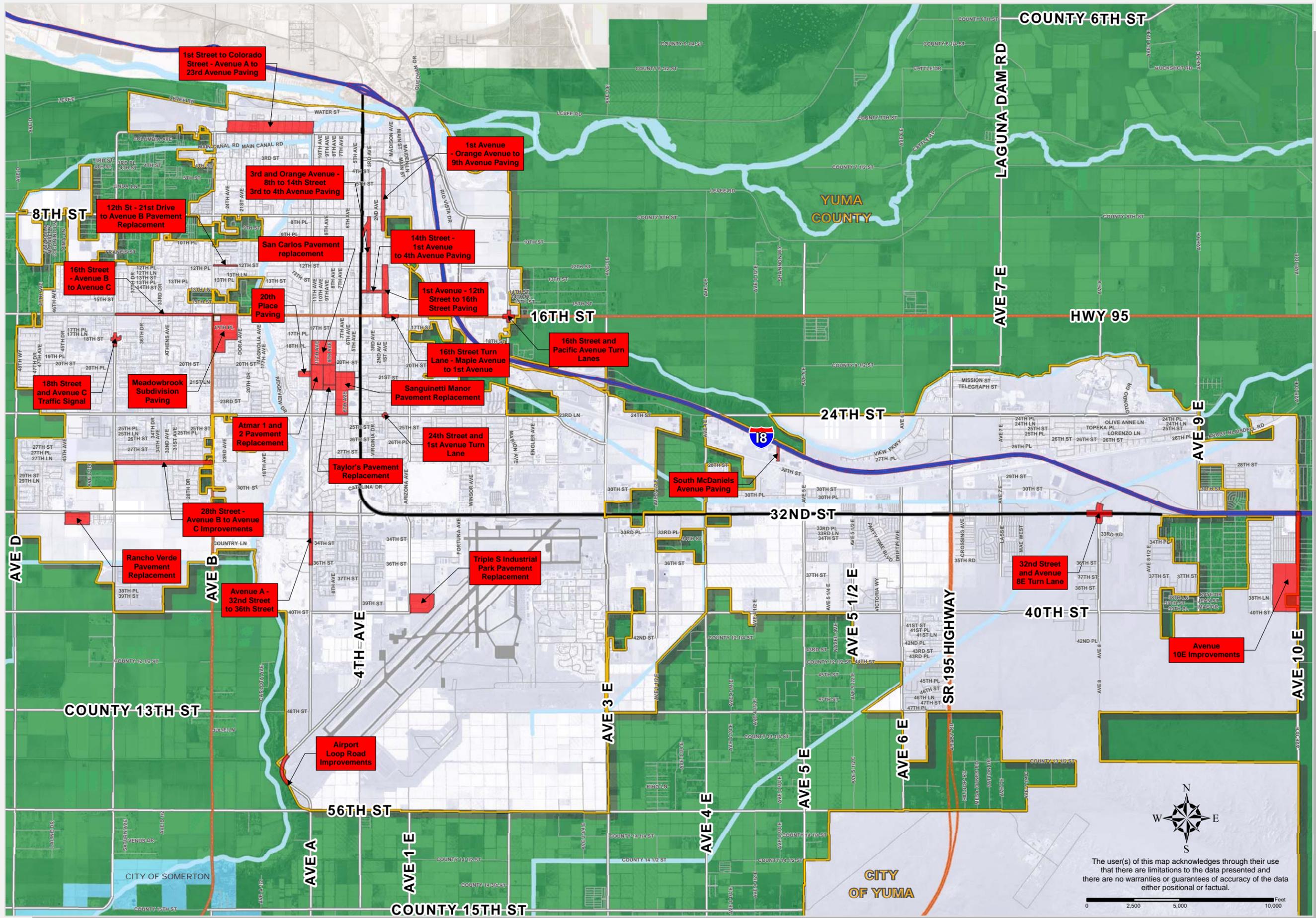


The user(s) of this map acknowledges through their use that there are limitations to the data presented and there are no warranties or guarantees of accuracy of the data either positional or factual.



Map-3

Capital Improvement Program Transportation FY 2018-21

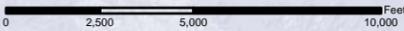


Transportation Projects
█ City of Yuma
█ Yuma County

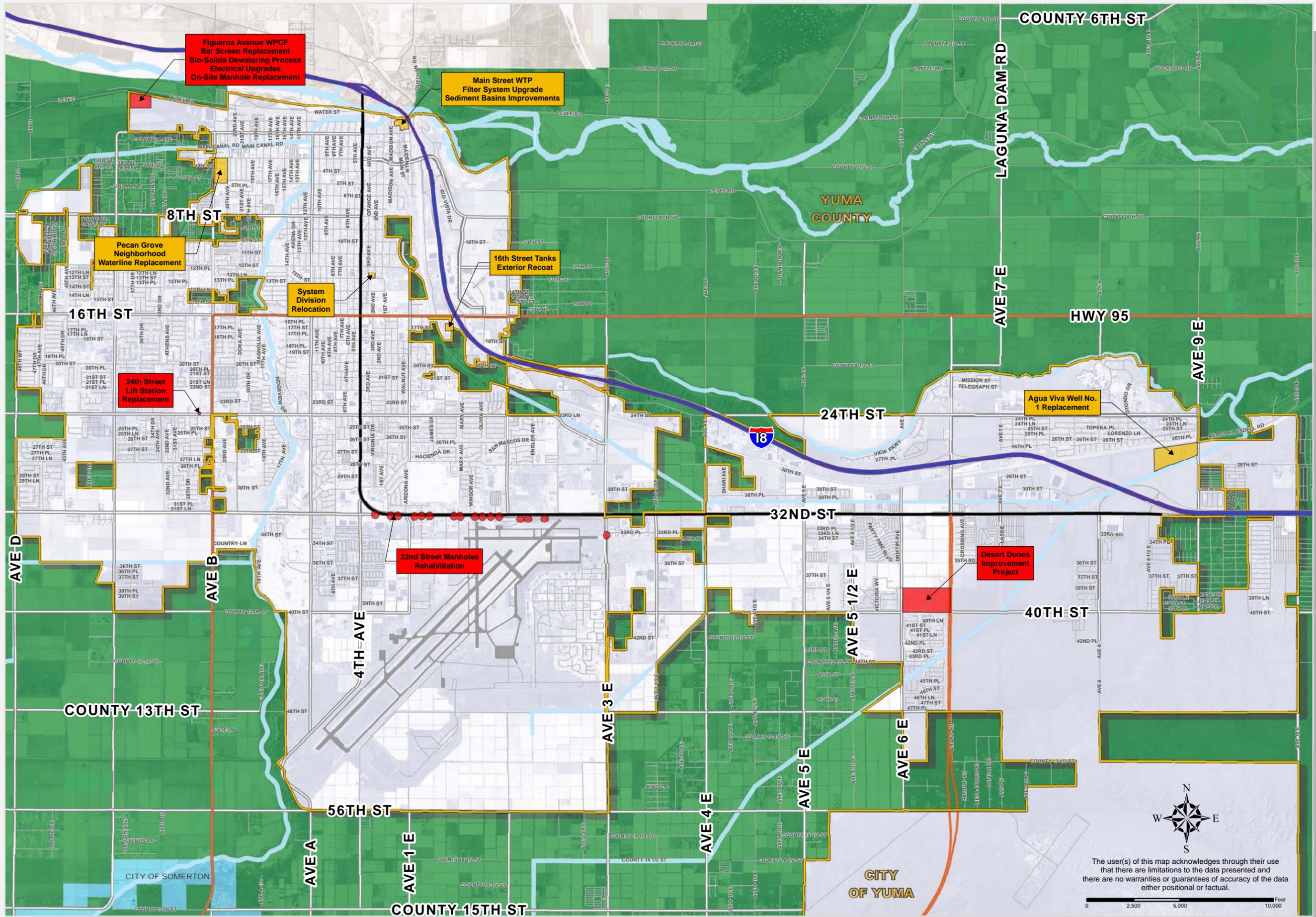
*NOTE: Citywide Projects
Citywide Safety Improvements



The user(s) of this map acknowledges through their use that there are limitations to the data presented and there are no warranties or guarantees of accuracy of the data either positional or factual.



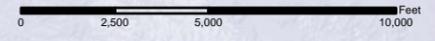
Capital Improvement Program Wastewater Utility/ Water-FY 2017



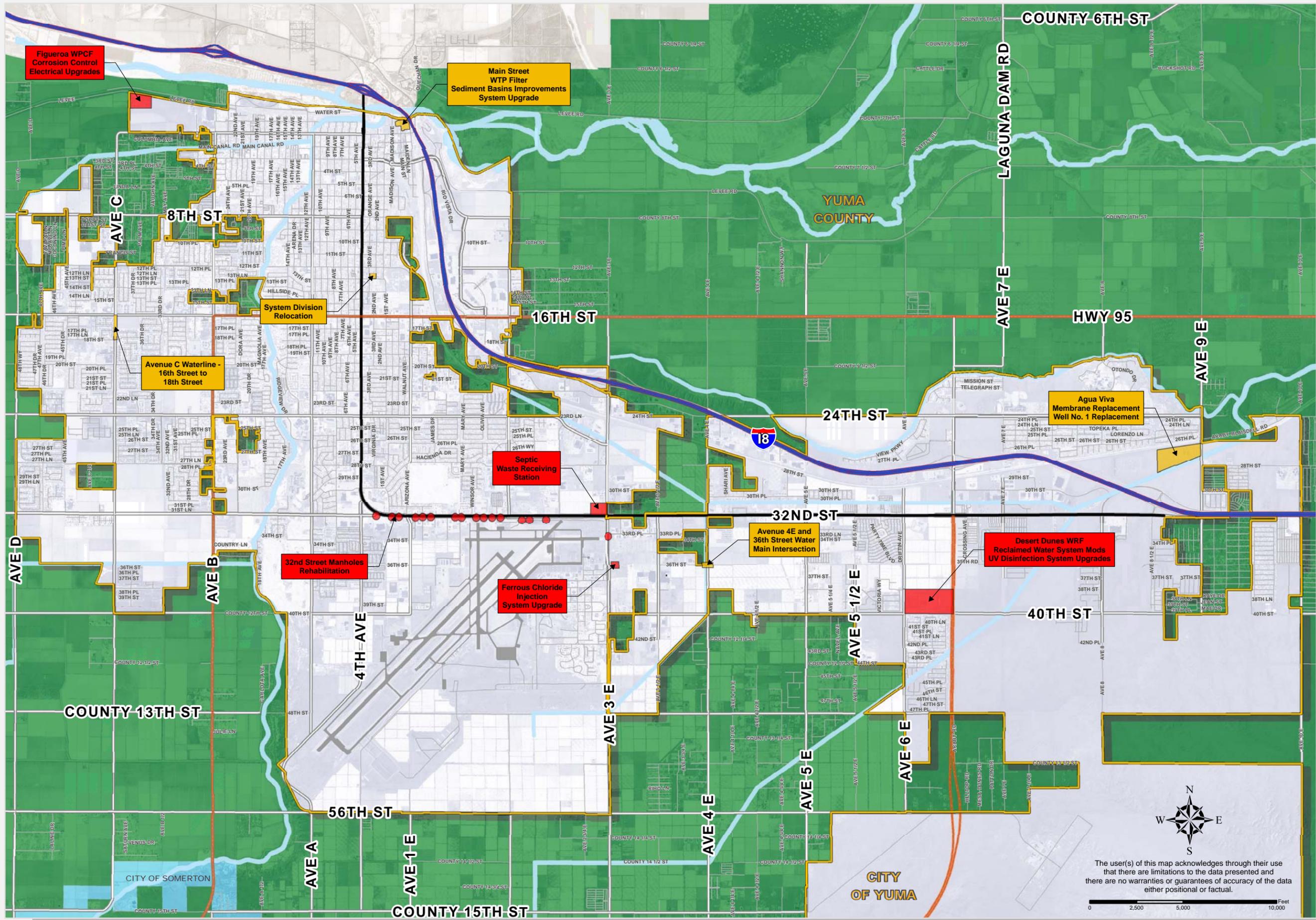
- Water Utility Projects
 - Wastewater Utility Projects
 - City of Yuma
 - Yuma County
- *NOTE: Citywide Projects
 New Water Services
 Waterline Rehabilitation/Annual Project
 Water Main Replacement/Annual Project
 Manhole Rehabilitation/Reconstruction
 New Water Services
 Wastewater Collection System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



The user(s) of this map acknowledges through their use that there are limitations to the data presented and there are no warranties or guarantees of accuracy of the data either positional or factual.



Capital Improvement Program Wastewater Utility/ Water-FY 2018-21

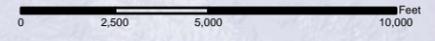


Water Utility Projects
 Water Utility Projects
Wastewater Utility Projects
 Wastewater Utility Projects
City of Yuma
 City of Yuma
Yuma County
 Yuma County

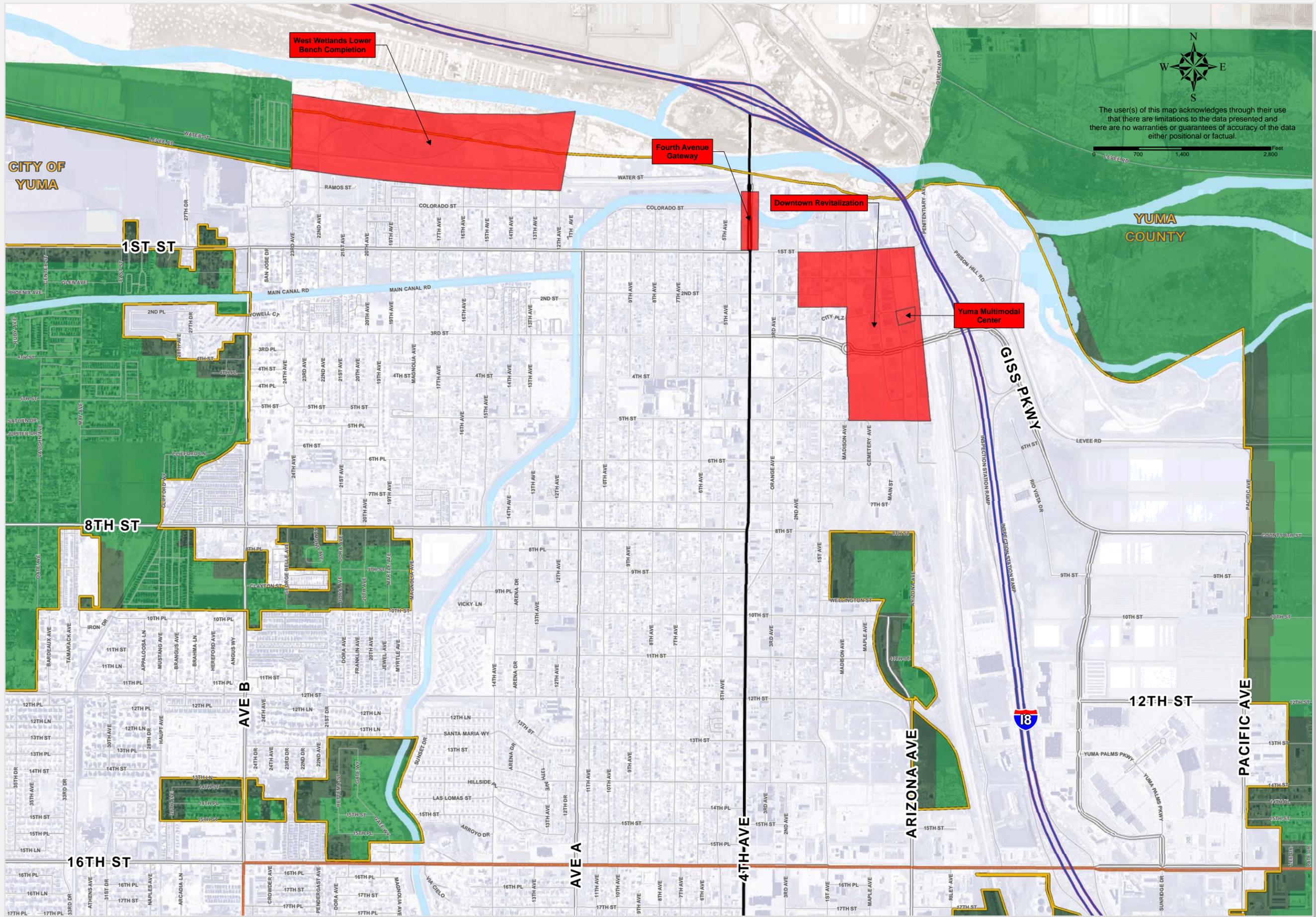
NOTE: Outside Projects
New Water Services
TTHM Air Stripping Tank System
Membrane Replacement/Improvements
Well Rehabilitation/Reconstruction
Manhole Rehabilitation/Reconstruction
Sewer Line Replacement/Improvements
Wastewater Collection System Lift Station Upgrades



The user(s) of this map acknowledges through their use that there are limitations to the data presented and there are no warranties or guarantees of accuracy of the data either positional or factual.



Map-4



West Wetlands Lower Bench Completion

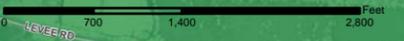
Fourth Avenue Gateway

Downtown Revitalization

Yuma Multimodal Center



The user(s) of this map acknowledges through their use that there are limitations to the data presented and there are no warranties or guarantees of accuracy of the data either positional or factual.



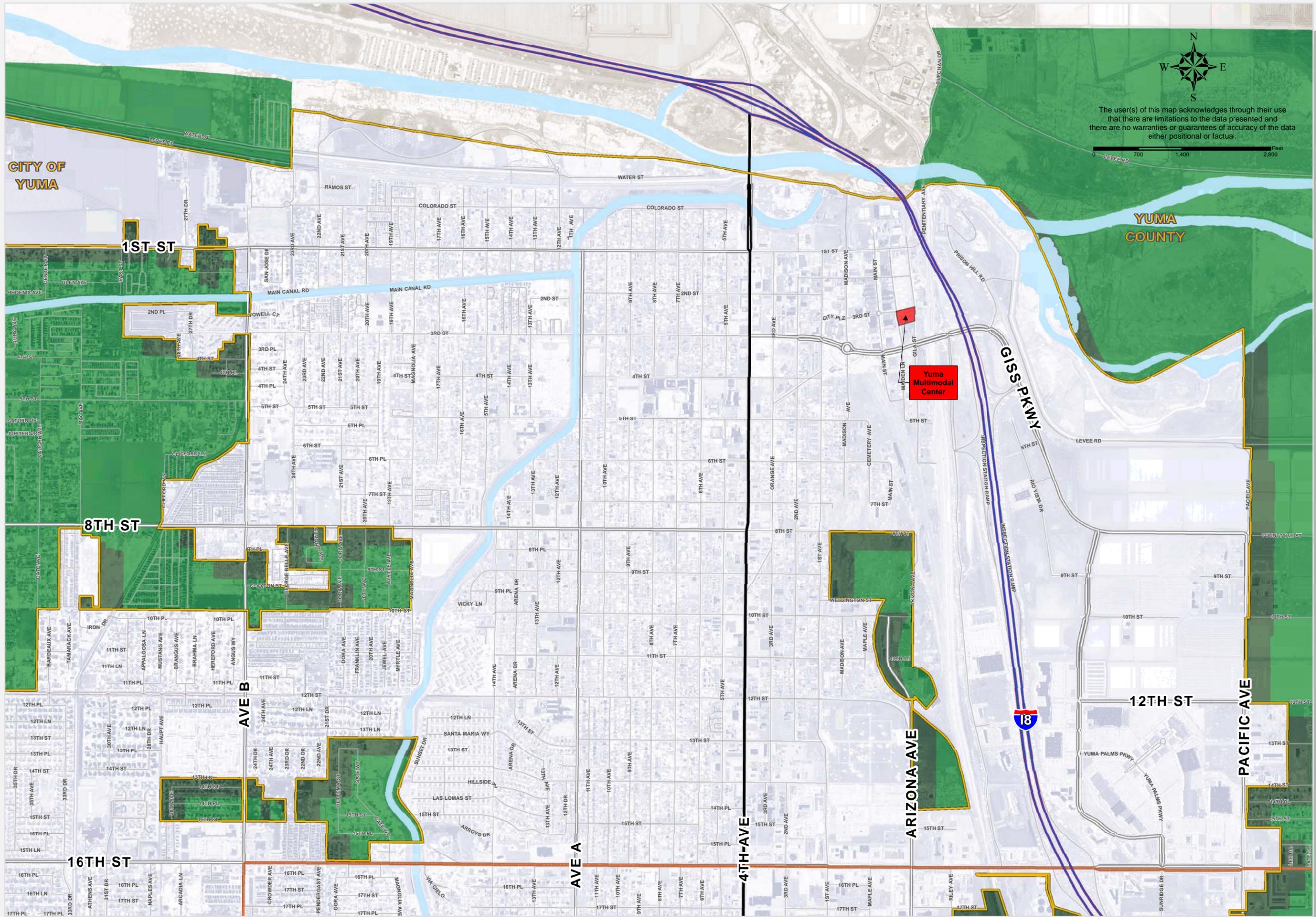
CITY OF YUMA

YUMA COUNTY

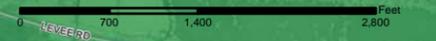
Capital Improvement Program Yuma Crossing Heritage (YCNHA)-FY 2017

- Heritage Area Projects
- City of Yuma
- Yuma County

Map-5



The user(s) of this map acknowledges through their use that there are limitations to the data presented and there are no warranties or guarantees of accuracy of the data either positional or factual.



Capital Improvement Program Yuma Crossing Heritage (YCNHA)-FY 2018-21

- Heritage Area Projects
- City of Yuma
- Yuma County

Map-5