



# Capital Improvement Program Fiscal Years 2015-2019

Budget for the City of Yuma as  
adopted by City Council



Cover Page:

The Saint Thomas Indian Mission is located on the California side of the Colorado River. In October 1780, Father Francisco Garces and companions began Mission La Purisima Concepcion. Unfortunately, the Mission was inadequately supported and destroyed. The existing Saint Thomas Indian Mission is a replica of that building and was dedicated in 1923.

In 1877, the Southern Pacific Railroad built the first bridge of any kind across the Colorado River. It was part of the second transcontinental rail line which crossed southern Arizona and ended in New Orleans, Louisiana. In 1922, the railroad crossing moved from Madison Avenue to higher ground, next to the Yuma Territorial Prison and the then recently built Ocean to Ocean bridge.

The Ocean to Ocean Bridge was constructed in 1915 and at the time it was the only highway bridge across the Colorado River for 1,200 miles. The bridge was later restored and reopened in February of 2002. The restoration efforts earned the City of Yuma the 2004 Biennial Award for Excellence in Highway Design by the Federal Highway Administration for outstanding Historic Preservation.

In February 2015, the Ocean to Ocean Bridge will celebrate its hundred year anniversary.

Photograph courtesy of John and Yvonne Peach.

**RESOLUTION NO. R2014-18**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF YUMA,  
ARIZONA, ADOPTING THE CAPITAL IMPROVEMENT PROGRAM  
FOR FISCAL YEARS 2015 THROUGH 2019**

WHEREAS, pursuant to Article XIII, Section 10 of the Yuma City Charter, City Council did compile a list of all capital improvements which are proposed to be undertaken during the next five fiscal years, with appropriate supporting information as to the necessity for such improvements; and,

WHEREAS, pursuant to Article XIII, Section 11 of the Yuma City Charter, City Council did publish a general summary of the Capital Improvement Program (CIP) and following due Public Notice, Public Hearings were held on April 28, 2014 and May 21, 2014; and

WHEREAS, the first year of the CIP utilizes committed funds, the second through the fifth years of the CIP are fiscally constrained to reasonably anticipated revenues, and a listing of the sixth through the tenth years of the program are projected CIP based upon anticipated demand and funding availability.

NOW THEREFORE, BE IT RESOLVED by the City Council of the City of Yuma, Arizona, as follows:

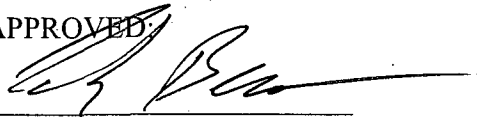
SECTION 1: The Capital Improvement Program for Fiscal Years 2015 through 2019 dated May 1, 2014, on file with the City Clerk, as increased, reduced or changed, is hereby adopted.

SECTION 2: The Capital Improvement Program Budget for Fiscal Year 2015 will be adopted as a part of the City of Yuma budget for Fiscal Year 2015.

SECTION 3: The Capital Improvement Program is subject to annual revision and authorization and is not binding on future legislative bodies.

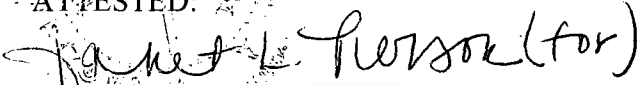
Adopted this 4th day of June, 2014.

APPROVED:



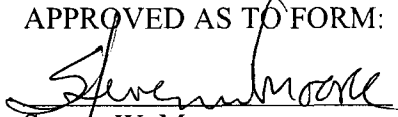
~~Douglas J. Nicholls~~ *Coby Beeson*  
Mayor

ATTESTED:



Lynda L. Bushong  
City Clerk

APPROVED AS TO FORM:

  
Steven W. Moore  
City Attorney

# Capital Improvement Program



**Douglas J. Nicholls**  
Mayor

**Cody Beeson**  
Deputy Mayor

**William Craft**  
Councilmember

**Gary Knight**  
Councilmember

**Leslie L. McClendon**  
Councilmember

**Edward C. Thomas**  
Councilmember

**Gary Wright**  
Councilmember

**Gregory K. Wilkinson**  
City Administrator

**Ricky Rinehart**  
Deputy City Administrator

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## City of Yuma Capital Improvement Program

The City of Yuma's Capital Improvement Program (CIP) is the City's financial plan for the improvement and/or construction of municipal infrastructure. The purpose of the City's CIP is to identify and address infrastructure needs while adopting the goals and policies set forth by City Council and the City of Yuma General Plan. 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 under City Bookshelf link: <http://www.yumaaz.gov/bookshelf>.

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 and the Municipal Property Corporation (MPC) 2007 Utility Series Bond.

**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.

**Other Proposed:** This is funding City staff is actively pursuing through Federal, State and private foundation grants. The portion of a project classified as “Other Proposed” is the amount staff believes may be eligible for 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 2015.

**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. 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). It is projected that in fiscal year 2015 the State will distribute HURF monies to Cities throughout the state, but we do not anticipate receiving enough revenues to fund any major capital projects. 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

<b>Department</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Information Technology Services	75,000					75,000
Parks and Recreation	2,560,000	12,000,000	1,500,000			16,060,000
Public Safety	1,200,000				3,000,000	4,200,000
Stormwater Control	1,000,000		165,000			1,165,000
Transportation	13,637,100	11,477,000	3,454,300	4,536,000	3,800,900	36,905,300
Wastewater Utility	3,841,500	11,500,000	2,925,000	2,000,000	2,300,000	22,566,500
Water Utility	4,097,100	3,380,000	22,715,000	1,545,000	3,050,000	34,787,100
Yuma Crossing National Heritage Area (YCNHA)	9,891,500	75,000				9,966,500
<b>TOTAL</b>	<b>36,302,200</b>	<b>38,432,000</b>	<b>30,759,300</b>	<b>8,081,000</b>	<b>12,150,900</b>	<b>125,725,400</b>



# PROJECTS & FUNDING SOURCES BY DEPARTMENT

## Capital Improvement Program

### City of Yuma, Arizona

Department	Priority	2015	2016	2017	2018	2019	Total
<b>Information Technology Services</b>							
Financial Administration Software	1	50,000					50,000
<i>Bond-General</i>		50,000					50,000
Software System Purchase	1	25,000					25,000
<i>Bond-General</i>		25,000					25,000
<b>Information Technology Total</b>		<b>75,000</b>					<b>75,000</b>
<b>Parks and Recreation</b>							
Pacific Avenue Athletic Complex	1	2,500,000	12,000,000	1,500,000			16,000,000
<i>Bond-General</i>			11,500,000	1,500,000			13,000,000
<i>Development Fee 321</i>		1,760,000	500,000				2,260,000
<i>Two Percent Tax</i>		740,000					740,000
Yuma Valley Area Park	1	60,000					60,000
<i>Two Percent Tax</i>		60,000					60,000
<b>Parks and Recreation Total</b>		<b>2,560,000</b>	<b>12,000,000</b>	<b>1,500,000</b>			<b>16,060,000</b>
<b>Public Safety</b>							
Police Station Cooling Towers and Chillers	1	1,200,000					1,200,000
<i>Bond-General</i>		1,200,000					1,200,000
Fire Station 4 Remodel	1				1,000,000		1,000,000
<i>Public Safety Tax Fund</i>					1,000,000		1,000,000
Police Storage Facility	2				2,000,000		2,000,000
<i>Public Safety Tax Fund</i>					2,000,000		2,000,000
<b>Public Safety Total</b>		<b>1,200,000</b>			<b>3,000,000</b>		<b>4,200,000</b>
<b>Stormwater Control</b>							
Smucker Regional Storm Drain Basin	1	1,000,000					1,000,000
<i>City Road Tax</i>		1,000,000					1,000,000
Arena Drive Storm Drain	3			165,000			165,000
<i>Other - Proposed</i>				165,000			165,000
<b>Stormwater Control Total</b>		<b>1,000,000</b>		<b>165,000</b>			<b>1,165,000</b>
<b>Transportation</b>							
16th Street & 4th Ave Intersection Improvements	1	4,694,000	4,236,000				8,930,000
<i>Bond-Transportation</i>		2,271,000	1,000,000				3,271,000
<i>Bond-Wastewater</i>		120,000					120,000
<i>Bond-Water</i>		1,303,000					1,303,000
<i>City Road Tax</i>				1,373,000			1,373,000
<i>Development Fee 328</i>		1,000,000	1,863,000				2,863,000
24th Street - Avenue B to Avenue C Improvements	1	2,230,000					2,230,000
<i>ProRata Fund</i>		2,230,000					2,230,000
56th Street Pavement Overlay	1	100,000					100,000

<b>Department</b>	<b>Priority</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
<i>City Road Tax</i>		100,000					100,000
Airport Loop Road Improvements	1	116,000					116,000
<i>City Road Tax</i>		116,000					116,000
Avenue 10E Improvements	1	205,000					205,000
<i>City Road Tax</i>		94,500					94,500
<i>Development Fee 328</i>		40,500					40,500
<i>Water Utility Fund</i>		70,000					70,000
Avenue 3E and 16th Street Improvements	1	265,000					265,000
<i>Bond-Transportation</i>		265,000					265,000
Catalina Drive - 32nd Street to 4th Avenue Paving	1	405,000					405,000
<i>City Road Tax</i>		405,000					405,000
Catalina Drive - 8th Avenue to 4th Avenue Paving	1	355,000					355,000
<i>City Road Tax</i>		355,000					355,000
Citywide Safety Study	1	100,000	140,000	140,000	160,000	160,000	700,000
<i>City Road Tax</i>		100,000	140,000	140,000	160,000	160,000	700,000
Fleet Services Maintenance Shop	1	2,000,000	5,500,000	2,500,000			10,000,000
<i>Bond-General</i>		1,500,000	5,500,000	2,500,000			9,500,000
<i>Development Fee 323</i>		359,000					359,000
<i>Development Fee 327</i>		141,000					141,000
Pacific Avenue - 32nd to 24th Street Paving	1	900,000					900,000
<i>City Road Tax</i>		900,000					900,000
Palo Verde St - Catalina Dr to Arizona Ave Paving	1	409,000					409,000
<i>City Road Tax</i>		409,000					409,000
1st Avenue - 24th to 26th Street Paving	1		97,000				97,000
<i>City Road Tax</i>			97,000				97,000
22nd Street - Avenue A to 4th Avenue Paving	1		789,000				789,000
<i>Bond-Water</i>			340,000				340,000
<i>City Road Tax</i>			449,000				449,000
32nd Street & Avenue B Intersection Improvements	1		400,000	400,000			800,000
<i>City Road Tax</i>			400,000	400,000			800,000
Arizona Ave - Palo Verde to Country Club Dr Paving	1		315,000				315,000
<i>City Road Tax</i>			315,000				315,000
14th Street - 1st Avenue to 4th Avenue Paving	1			213,500			213,500
<i>City Road Tax</i>				213,500			213,500
Gila Street - 1st Street to 3rd Street Paving	1			200,800			200,800
<i>City Road Tax</i>				200,800			200,800
1st Avenue - 12th Street to 16th Street Paving	1				1,420,000		1,420,000
<i>City Road Tax</i>					320,000		320,000
<i>Wastewater Utility Fund</i>					500,000		500,000
<i>Water Utility Fund</i>					600,000		600,000
1st Avenue - Orange Avenue to 9th Street Paving	1				490,000		490,000
<i>City Road Tax</i>					490,000		490,000
3rd Avenue - Orange Avenue to 14th Street Paving	1				706,000		706,000
<i>City Road Tax</i>					706,000		706,000
32nd Street & Pacific Avenue Improvements	1					930,000	930,000
<i>City Road Tax</i>						838,208	838,208
<i>Development Fee 328</i>						91,792	91,792
32nd Street and Avenue 7E Turn Lane	2	173,000					173,000
<i>Development Fee 328</i>		173,000					173,000
32nd Street and Avenue 8E Turn Lane	2	203,000					203,000
<i>Development Fee 328</i>		203,000					203,000

<b>Department</b>	<b>Priority</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
4th Avenue and Big Curve Turn Lane	2	178,200					178,200
<i>City Road Tax</i>		145,500					145,500
<i>Development Fee 328</i>		32,700					32,700
East Main Canal MSP - 32nd Street Underpass	2	35,000					35,000
<i>City Road Tax</i>		35,000					35,000
South Frontage Road - Avenue 9½E to Avenue 10E	2	395,000					395,000
<i>Bond-Transportation</i>		395,000					395,000
Villa Hermosa No. 2 Storm Basin	2	76,000					76,000
<i>Bond-Transportation</i>		76,000					76,000
West Main Canal Multi-use Path	2	797,900					797,900
<i>City Road Tax</i>		114,500					114,500
<i>Grant</i>		683,400					683,400
16th Street and Arizona Avenue Improvements	2				60,000		60,000
<i>City Road Tax</i>					60,000		60,000
16th Street Turn Lane - Maple to 1st Avenue	2				120,000		120,000
<i>City Road Tax</i>					120,000		120,000
28th Street - Avenue B to Avenue C Improvements	2				1,580,000		1,580,000
<i>City Road Tax</i>					202,000		202,000
<i>Development Fee 328</i>					1,378,000		1,378,000
18th Street and Avenue C Traffic Signal	2					371,700	371,700
<i>City Road Tax</i>						195,040	195,040
<i>Development Fee 328</i>						51,660	51,660
<i>Other - Proposed</i>						125,000	125,000
24th Street and 1st Avenue Turn Lane	2					728,000	728,000
<i>City Road Tax</i>						532,961	532,961
<i>Development Fee 328</i>						195,039	195,039
32nd Street and Avenue 5E Turn Lanes	2					400,200	400,200
<i>City Road Tax</i>						331,359	331,359
<i>Development Fee 328</i>						68,841	68,841
4th Avenue and 8th Street Turn Lane	2					351,000	351,000
<i>City Road Tax</i>						259,208	259,208
<i>Development Fee 328</i>						91,792	91,792
Avenue B and 16th Street Turn Lane	2					860,000	860,000
<i>City Road Tax</i>						618,320	618,320
<i>Development Fee 328</i>						241,680	241,680
<b>Transportation Total</b>		<b>13,637,100</b>	<b>11,477,000</b>	<b>3,454,300</b>	<b>4,536,000</b>	<b>3,800,900</b>	<b>36,905,300</b>

### **Wastewater Utility**

10th Avenue and Avenue A Alley Sanitary Sewer	1	325,000					325,000
<i>Wastewater Utility Fund</i>		325,000					325,000
4th Street & Avenue A Sewer Line Replacement	1	55,000					55,000
<i>Wastewater Utility Fund</i>		55,000					55,000
5th Street Sanitary Sewer Replacement	1	300,000					300,000
<i>Wastewater Utility Fund</i>		300,000					300,000
Downtown Sewer Line Replacement	1	235,000					235,000
<i>City Road Tax</i>		90,000					90,000
<i>Wastewater Utility Fund</i>		145,000					145,000
Figueroa WPCF Bar Screen Replacement	1	1,340,000					1,340,000
<i>Bond-Wastewater</i>		1,030,000					1,030,000
<i>Wastewater Utility Fund</i>		310,000					310,000
Figueroa WPCF Biosolids Dewatering Process	1	400,000	6,440,000				6,840,000

Department	Priority	2015	2016	2017	2018	2019	Total
<i>Other - Proposed</i>			6,440,000				6,440,000
<i>Wastewater Utility Fund</i>		400,000					400,000
Figueroa WPCF On-Site Manhole Replacement	1	275,000					275,000
<i>Wastewater Utility Fund</i>		275,000					275,000
Interceptor Sewer Flow Monitoring Upgrade	1	100,000					100,000
<i>Wastewater Utility Fund</i>		100,000					100,000
Wastewater Collection System Lift Station Upgrade	1	300,000	300,000	300,000	300,000	300,000	1,500,000
<i>Wastewater Utility Fund</i>		300,000	300,000	300,000	300,000	300,000	1,500,000
Desert Dunes Improvement Project	1		460,000				460,000
<i>Wastewater Utility Fund</i>			460,000				460,000
Figueroa WPCF Power Improvements	1		1,000,000				1,000,000
<i>Other - Proposed</i>			1,000,000				1,000,000
Ferrous Chloride Injection System Upgrade	1				1,500,000		1,500,000
<i>Wastewater Utility Fund</i>					1,500,000		1,500,000
Figueroa WPCF Corrosion Control	1					1,300,000	1,300,000
<i>Other - Proposed</i>						1,200,000	1,200,000
<i>Wastewater Utility Fund</i>						100,000	100,000
Desert Dunes WRF Solar Power Project	2	11,500					11,500
<i>Wastewater Utility Fund</i>		11,500					11,500
Figueroa WPCF Capacity Study	2	300,000					300,000
<i>Wastewater Utility Fund</i>		300,000					300,000
Manhole Rehabilitation/Reconstruction	2	100,000	100,000	100,000	100,000	100,000	500,000
<i>Wastewater Utility Fund</i>		100,000	100,000	100,000	100,000	100,000	500,000
Sewer Line Replacements/Improvements	2	100,000	100,000	100,000	100,000	100,000	500,000
<i>Wastewater Utility Fund</i>		100,000	100,000	100,000	100,000	100,000	500,000
Desert Dunes WRF Reclaimed Water System Mods	2			1,200,000			1,200,000
<i>Other - Proposed</i>				1,020,000			1,020,000
<i>Wastewater Utility Fund</i>				180,000			180,000
Figueroa WPCF AZPDES Renewal	2			200,000			200,000
<i>Wastewater Utility Fund</i>				200,000			200,000
Manhole 20, 54, 56, 58, 80 Rehabilitation	2			375,000			375,000
<i>Wastewater Utility Fund</i>				375,000			375,000
Manhole 69, 70, 79, 108, 109, 258 Rehabilitation	2			325,000			325,000
<i>Wastewater Utility Fund</i>				325,000			325,000
Manhole 96, 123, 190, 188, 197, 143 Rehabilitation	2			325,000			325,000
<i>Wastewater Utility Fund</i>				325,000			325,000
Desert Dunes WRF UV Disinfection System Upgrades	3		2,600,000				2,600,000
<i>Other - Proposed</i>			2,600,000				2,600,000
Wastewater Vac Truck Dump Station Upgrades	4		500,000			500,000	1,000,000
<i>Wastewater Utility Fund</i>			500,000			500,000	1,000,000
<b>Wastewater Utility Total</b>		<b>3,841,500</b>	<b>11,500,000</b>	<b>2,925,000</b>	<b>2,000,000</b>	<b>2,300,000</b>	<b>22,566,500</b>

### Water Utility

21st Street Waterline Extension	1	180,000					180,000
<i>Bond-Water</i>		180,000					180,000
Agua Viva Urban Lake	1	827,000		20,400,000			21,227,000
<i>Bond-Water</i>		530,000					530,000
<i>Other - Proposed</i>				20,400,000			20,400,000
<i>Two Percent Tax</i>		297,000					297,000

<b>Department</b>	<b>Priority</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Agua Viva WTP Solar Power	1	13,000					13,000
<i>Bond-Water</i>		13,000					13,000
Madison Avenue - 2nd to 3rd Street Waterline	1	320,000					320,000
<i>Bond-Wastewater</i>		97,500					97,500
<i>Bond-Water</i>		65,000					65,000
<i>City Road Tax</i>		157,500					157,500
Main Street WTP Roof Upgrade	1	37,900					37,900
<i>Bond-Water</i>		37,900					37,900
New Water Services	1	25,000	30,000	35,000	45,000	50,000	185,000
<i>Water Utility Fund</i>		25,000	30,000	35,000	45,000	50,000	185,000
Pecan Grove Neighborhood Waterline Replacement	1	638,000					638,000
<i>Bond-Water</i>		638,000					638,000
Water Main Replacement Annual Project	1	1,206,200	1,250,000	1,250,000	1,250,000	1,250,000	6,206,200
<i>Bond-Water</i>		1,206,200	1,250,000				2,456,200
<i>Water Utility Fund</i>				1,250,000	1,250,000	1,250,000	3,750,000
Waterline Replacement/Improvements	1	250,000	250,000	250,000	250,000	250,000	1,250,000
<i>Bond-Water</i>		250,000	250,000				500,000
<i>Water Utility Fund</i>				250,000	250,000	250,000	750,000
Main Street WTP Chlorine System Modification	1			780,000			780,000
<i>Water Utility Fund</i>				780,000			780,000
16th Street Tanks and Pump Station Improvements	2	600,000					600,000
<i>Water Utility Fund</i>		600,000					600,000
Main Street WTP Filter System Upgrade	2		1,850,000			1,500,000	3,350,000
<i>Water Utility Fund</i>			1,850,000			1,500,000	3,350,000
<b>Water Utility Total</b>		<b>4,097,100</b>	<b>3,380,000</b>	<b>22,715,000</b>	<b>1,545,000</b>	<b>3,050,000</b>	<b>34,787,100</b>
<b>Yuma Crossing National Heritage Area (YCNHA)</b>							
Fourth Avenue Gateway	1	681,500					681,500
<i>Grant</i>		644,000					644,000
<i>Two Percent Tax</i>		37,500					37,500
Redevelopment Proposed Grants	1	35,000	25,000				60,000
<i>Two Percent Tax</i>		35,000	25,000				60,000
West Wetlands Lower Bench Completion	1	50,000	50,000				100,000
<i>Two Percent Tax</i>		50,000	50,000				100,000
Downtown Revitalization	2	125,000					125,000
<i>Grant</i>		75,000					75,000
<i>Two Percent Tax</i>		50,000					50,000
Yuma Multimodal Center	2	9,000,000					9,000,000
<i>Other - Proposed</i>		8,320,000					8,320,000
<i>Two Percent Tax</i>		680,000					680,000
<b>Yuma Crossing National Heritage Area (YCNHA) Total</b>		<b>9,891,500</b>	<b>75,000</b>				<b>9,966,500</b>
<b>GRAND TOTAL</b>		<b>36,302,200</b>	<b>38,432,000</b>	<b>30,759,300</b>	<b>8,081,000</b>	<b>12,150,900</b>	<b>125,725,400</b>

# PROJECTS BY FUNDING SOURCE

## Capital Improvement Program

### City of Yuma, Arizona

Source	Priority	2015	2016	2017	2018	2019	Total
<b>Bond-General</b>							
Financial Administration Software	1	50,000					50,000
Fleet Services Maintenance Shop	1	1,500,000	5,500,000	2,500,000			9,500,000
Police Station Cooling Towers and Chillers	1	1,200,000					1,200,000
Software System Purchase	1	25,000					25,000
Pacific Avenue Athletic Complex	1		11,500,000	1,500,000			13,000,000
<b>Bond-General Total</b>		<b>2,775,000</b>	<b>17,000,000</b>	<b>4,000,000</b>			<b>23,775,000</b>
<b>Bond-Transportation</b>							
16th Street & 4th Ave Intersection Improvements	1	2,271,000	1,000,000				3,271,000
Avenue 3E and 16th Street Improvements	1	265,000					265,000
South Frontage Road - Avenue 9½E to Avenue 10E	2	395,000					395,000
Villa Hermosa No. 2 Storm Basin	2	76,000					76,000
<b>Bond-Transportation Total</b>		<b>3,007,000</b>	<b>1,000,000</b>				<b>4,007,000</b>
<b>Bond-Wastewater</b>							
16th Street & 4th Ave Intersection Improvements	1	120,000					120,000
Figueroa WPCF Bar Screen Replacement	1	1,030,000					1,030,000
Madison Avenue - 2nd to 3rd Street Waterline	1	97,500					97,500
<b>Bond-Wastewater Total</b>		<b>1,247,500</b>					<b>1,247,500</b>
<b>Bond-Water</b>							
16th Street & 4th Ave Intersection Improvements	1	1,303,000					1,303,000
21st Street Waterline Extension	1	180,000					180,000
Agua Viva Urban Lake	1	530,000					530,000
Agua Viva WTP Solar Power	1	13,000					13,000
Madison Avenue - 2nd to 3rd Street Waterline	1	65,000					65,000
Main Street WTP Roof Upgrade	1	37,900					37,900
Pecan Grove Neighborhood Waterline Replacement	1	638,000					638,000
Water Main Replacement Annual Project	1	1,206,200	1,250,000				2,456,200
Waterline Replacement/Improvements	1	250,000	250,000				500,000
22nd Street - Avenue A to 4th Avenue Paving	1		340,000				340,000
<b>Bond-Water Total</b>		<b>4,223,100</b>	<b>1,840,000</b>				<b>6,063,100</b>
<b>City Road Tax</b>							
56th Street Pavement Overlay	1	100,000					100,000
Airport Loop Road Improvements	1	116,000					116,000
Avenue 10E Improvements	1	94,500					94,500
Catalina Drive - 32nd Street to 4th Avenue Paving	1	405,000					405,000
Catalina Drive - 8th Avenue to 4th Avenue Paving	1	355,000					355,000
Citywide Safety Study	1	100,000	140,000	140,000	160,000	160,000	700,000
Downtown Sewer Line Replacement	1	90,000					90,000

Source	Priority	2015	2016	2017	2018	2019	Total
Madison Avenue - 2nd to 3rd Street Waterline	1	157,500					157,500
Pacific Avenue - 32nd to 24th Street Paving	1	900,000					900,000
Palo Verde St - Catalina Dr to Arizona Ave Paving	1	409,000					409,000
Smucker Regional Storm Drain Basin	1	1,000,000					1,000,000
16th Street & 4th Ave Intersection Improvements	1		1,373,000				1,373,000
1st Avenue - 24th to 26th Street Paving	1		97,000				97,000
22nd Street - Avenue A to 4th Avenue Paving	1		449,000				449,000
32nd Street & Avenue B Intersection Improvements	1		400,000	400,000			800,000
Arizona Ave - Palo Verde to Country Club Dr Paving	1		315,000				315,000
14th Street - 1st Avenue to 4th Avenue Paving	1			213,500			213,500
Gila Street - 1st Street to 3rd Street Paving	1			200,800			200,800
1st Avenue - 12th Street to 16th Street Paving	1				320,000		320,000
1st Avenue - Orange Avenue to 9th Street Paving	1				490,000		490,000
3rd Avenue - Orange Avenue to 14th Street Paving	1				706,000		706,000
32nd Street & Pacific Avenue Improvements	1					838,208	838,208
4th Avenue and Big Curve Turn Lane	2	145,500					145,500
East Main Canal MSP - 32nd Street Underpass	2	35,000					35,000
West Main Canal Multi-use Path	2	114,500					114,500
16th Street and Arizona Avenue Improvements	2				60,000		60,000
16th Street Turn Lane - Maple to 1st Avenue	2				120,000		120,000
28th Street - Avenue B to Avenue C Improvements	2				202,000		202,000
18th Street and Avenue C Traffic Signal	2					195,040	195,040
24th Street and 1st Avenue Turn Lane	2					532,961	532,961
32nd Street and Avenue 5E Turn Lanes	2					331,359	331,359
4th Avenue and 8th Street Turn Lane	2					259,208	259,208
Avenue B and 16th Street Turn Lane	2					618,320	618,320
<b>City Road Tax Total</b>		<b>4,022,000</b>	<b>2,774,000</b>	<b>954,300</b>	<b>2,058,000</b>	<b>2,935,096</b>	<b>12,743,396</b>

#### Development Fee 321

Pacific Avenue Athletic Complex	1	1,760,000	500,000				2,260,000
<b>Development Fee 321 Total</b>		<b>1,760,000</b>	<b>500,000</b>				<b>2,260,000</b>

#### Development Fee 323

Fleet Services Maintenance Shop	1	359,000					359,000
<b>Development Fee 323 Total</b>		<b>359,000</b>					<b>359,000</b>

#### Development Fee 327

Fleet Services Maintenance Shop	1	141,000					141,000
<b>Development Fee 327 Total</b>		<b>141,000</b>					<b>141,000</b>

#### Development Fee 328

16th Street & 4th Ave Intersection Improvements	1	1,000,000	1,863,000				2,863,000
Avenue 10E Improvements	1	40,500					40,500
32nd Street & Pacific Avenue Improvements	1					91,792	91,792
32nd Street and Avenue 7E Turn Lane	2	173,000					173,000
32nd Street and Avenue 8E Turn Lane	2	203,000					203,000
4th Avenue and Big Curve Turn Lane	2	32,700					32,700
28th Street - Avenue B to Avenue C Improvements	2				1,378,000		1,378,000
18th Street and Avenue C Traffic Signal	2					51,660	51,660

Source	Priority	2015	2016	2017	2018	2019	Total
24th Street and 1st Avenue Turn Lane	2					195,039	195,039
32nd Street and Avenue 5E Turn Lanes	2					68,841	68,841
4th Avenue and 8th Street Turn Lane	2					91,792	91,792
Avenue B and 16th Street Turn Lane	2					241,680	241,680
<b>Development Fee 328 Total</b>		<b>1,449,200</b>	<b>1,863,000</b>		<b>1,378,000</b>	<b>740,804</b>	<b>5,431,004</b>
<b>Grant</b>							
Fourth Avenue Gateway	1	644,000					644,000
Downtown Revitalization	2	75,000					75,000
West Main Canal Multi-use Path	2	683,400					683,400
<b>Grant Total</b>		<b>1,402,400</b>					<b>1,402,400</b>
<b>Other - Proposed</b>							
Figueroa WPCF Biosolids Dewatering Process	1		6,440,000				6,440,000
Figueroa WPCF Power Improvements	1		1,000,000				1,000,000
Agua Viva Urban Lake	1			20,400,000			20,400,000
Figueroa WPCF Corrosion Control	1				1,200,000		1,200,000
Yuma Multimodal Center	2	8,320,000					8,320,000
Desert Dunes WRF Reclaimed Water System Mods	2			1,020,000			1,020,000
18th Street and Avenue C Traffic Signal	2					125,000	125,000
Desert Dunes WRF UV Disinfection System Upgrades	3		2,600,000				2,600,000
Arena Drive Storm Drain	3			165,000			165,000
<b>Other - Proposed Total</b>		<b>8,320,000</b>	<b>10,040,000</b>	<b>21,585,000</b>		<b>1,325,000</b>	<b>41,270,000</b>
<b>ProRata Fund</b>							
24th Street - Avenue B to Avenue C Improvements	1	2,230,000					2,230,000
<b>ProRata Fund Total</b>		<b>2,230,000</b>					<b>2,230,000</b>
<b>Public Safety Tax Fund</b>							
Fire Station 4 Remodel	1				1,000,000		1,000,000
Police Storage Facility	2				2,000,000		2,000,000
<b>Public Safety Tax Fund Total</b>					<b>3,000,000</b>		<b>3,000,000</b>
<b>Two Percent Tax</b>							
Agua Viva Urban Lake	1	297,000					297,000
Fourth Avenue Gateway	1	37,500					37,500
Pacific Avenue Athletic Complex	1	740,000					740,000
Redevelopment Proposed Grants	1	35,000	25,000				60,000
West Wetlands Lower Bench Completion	1	50,000	50,000				100,000
Yuma Valley Area Park	1	60,000					60,000
Downtown Revitalization	2	50,000					50,000
Yuma Multimodal Center	2	680,000					680,000
<b>Two Percent Tax Total</b>		<b>1,949,500</b>	<b>75,000</b>				<b>2,024,500</b>
<b>Wastewater Utility Fund</b>							
10th Avenue and Avenue A Alley Sanitary Sewer	1	325,000					325,000



Source	Priority	2015	2016	2017	2018	2019	Total
4th Street & Avenue A Sewer Line Replacement	1	55,000					55,000
5th Street Sanitary Sewer Replacement	1	300,000					300,000
Downtown Sewer Line Replacement	1	145,000					145,000
Figueroa WPCF Bar Screen Replacement Figueroa	1	310,000					310,000
WPCF Biosolids Dewatering Process Figueroa	1	400,000					400,000
WPCF On-Site Manhole Replacement Interceptor	1	275,000					275,000
Sewer Flow Monitoring Upgrade Wastewater	1	100,000					100,000
Collection System Lift Station Upgrade Desert	1	300,000	300,000	300,000	300,000	300,000	1,500,000
Dunes Improvement Project	1		460,000				460,000
1st Avenue - 12th Street to 16th Street Paving	1				500,000		500,000
Ferrous Chloride Injection System Upgrade	1				1,500,000		1,500,000
Figueroa WPCF Corrosion Control	1					100,000	100,000
Desert Dunes WRF Solar Power Project	2	11,500					11,500
Figueroa WPCF Capacity Study	2	300,000					300,000
Manhole Rehabilitation/Reconstruction	2	100,000	100,000	100,000	100,000	100,000	500,000
Sewer Line Replacements/Improvements	2	100,000	100,000	100,000	100,000	100,000	500,000
Desert Dunes WRF Reclaimed Water System Mods	2			180,000			180,000
Figueroa WPCF AZPDES Renewal	2			200,000			200,000
Manhole 20, 54, 56, 58, 80 Rehabilitation	2			375,000			375,000
Manhole 69, 70, 79, 108, 109, 258 Rehabilitation	2			325,000			325,000
Manhole 96, 123, 190, 188, 197, 143 Rehabilitation	2			325,000			325,000
Wastewater Vac Truck Dump Station Upgrades	4		500,000			500,000	1,000,000
<b>Wastewater Utility Fund Total</b>		<b>2,721,500</b>	<b>1,460,000</b>	<b>1,905,000</b>	<b>2,500,000</b>	<b>1,100,000</b>	<b>9,686,500</b>
<b>Water Utility Fund</b>							
Avenue 10E Improvements	1	70,000					70,000
New Water Services	1	25,000	30,000	35,000	45,000	50,000	185,000
Main Street WTP Chlorine System Modification	1			780,000			780,000
Water Main Replacement Annual Project	1			1,250,000	1,250,000	1,250,000	3,750,000
Waterline Replacement/Improvements	1			250,000	250,000	250,000	750,000
1st Avenue - 12th Street to 16th Street Paving	1				600,000		600,000
16th Street Tanks and Pump Station Improvements	2	600,000					600,000
Main Street WTP Filter System Upgrade	2		1,850,000			1,500,000	3,350,000
<b>Water Utility Fund Total</b>		<b>695,000</b>	<b>1,880,000</b>	<b>2,315,000</b>	<b>2,145,000</b>	<b>3,050,000</b>	<b>10,085,000</b>
<b>GRAND TOTAL</b>		<b>36,302,200</b>	<b>38,432,000</b>	<b>30,759,300</b>	<b>8,081,000</b>	<b>12,150,900</b>	<b>125,725,400</b>

**INDEX BY FISCAL YEAR AND DEPARTMENT**  
**Capital Improvement Program**  
**City of Yuma, Arizona**

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**Software System Purchase**

**Total Cost** \$25,000  
**Type** Improvement  
**Progress** Under Construction  
**Category** Equipment: Computers  
**Priority** Type I  
**Location** City Hall - One City Plaza



**Justification**

The software has improved staff productivity, and once it is fully implemented, it will allow web access to citizens and customers. The project is in its final implementation phase and the \$25,000 represents final payment.

**Description**

New software system for Department of Community Development, Finance and Human Resources Departments to replace current HTE system.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Software/Hardware	25,000					25,000
<b>Total</b>	<b>25,000</b>					<b>25,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Bond-General	25,000					25,000
<b>Total</b>	<b>25,000</b>					<b>25,000</b>

**Financial Administration Software**

**Total Cost** \$50,000  
**Type** Equipment  
**Progress** Under Construction  
**Category** Equipment: Computers  
**Priority** Type I  
**Location** City Hall



**Justification**

Financial Administration Software was purchased in fiscal year 2010 and has been implemented. The City will add a Special Assessment Module to this software in order to manage the financial aspects of Improvement Districts.

**Description**

Costs include the application software, implementation, project management services and data file conversions.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Software/Hardware	50,000					50,000
<b>Total</b>	<b>50,000</b>					<b>50,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Bond-General	50,000					50,000
<b>Total</b>	<b>50,000</b>					<b>50,000</b>

**Pacific Avenue Athletic Complex**

<b>Total Cost</b>	\$16,000,000
<b>Type</b>	Construction
<b>Progress</b>	Planning
<b>Category</b>	Park
<b>Priority</b>	Type I
<b>Location</b>	Pacific Avenue and 8th Street



**Justification**

The location of this facility will enhance Yuma's historic downtown area, retail and hospitality.

**Description**

The Park will include lit ball fields, concessions, restrooms, ample parking, and connection to existing pathways. As funding becomes available the construction of passive green spaces such as playgrounds, picnic areas, open space, and ramadas are anticipated. The facility service area is approximately 49 acres.

- Phase I - Land Acquisition (2014)
- Phase II - Planning and design (2015)
- Phase III - Construction Phase I (2016)

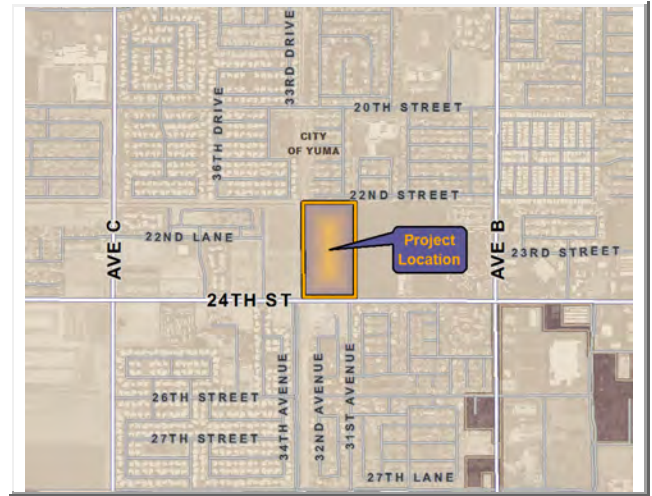
<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	1,600,000					1,600,000
Construction	900,000	12,000,000				12,900,000
Inspection			1,500,000			1,500,000
<b>Total</b>	<b>2,500,000</b>	<b>12,000,000</b>	<b>1,500,000</b>			<b>16,000,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Bond-General		11,500,000	1,500,000			13,000,000
Development Fee 321	1,760,000	500,000				2,260,000
Two Percent Tax	740,000					740,000
<b>Total</b>	<b>2,500,000</b>	<b>12,000,000</b>	<b>1,500,000</b>			<b>16,000,000</b>

<b>Operational Effect</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Capital Outlay			250,000			250,000
Other (Insurance, Utilities)			116,250	139,500	155,000	410,750
Staff Cost			267,371	341,339	437,373	1,046,083
Supplies/Materials			75,000	100,000	130,000	305,000
<b>Total</b>			<b>708,621</b>	<b>580,839</b>	<b>722,373</b>	<b>2,011,833</b>

**Yuma Valley Area Park**

<b>Total Cost</b>	\$60,000
<b>Type</b>	Construction
<b>Progress</b>	Under Construction
<b>Category</b>	Park
<b>Priority</b>	Type I
<b>Location</b>	24th Street - between Avenue B and Avenue C



**Justification**

This facility has been identified in the Parks, Recreation and Open Space Element of the General Plan. The park will accommodate housing developments within Yuma Valley.

**Description**

The project includes a playground, restrooms, passive green space, a parking lot and a wastewater lift station. Additional features include two regulation-size soccer fields with lighting and two temporary regulation-size soccer fields. The two temporary fields will be removed when the 24th Street Water Tanks are needed. The \$60,000 is dedicated to turf seeding as construction is nearly complete.

As funding becomes available, additional features may include playground areas, picnic areas, ramadas and a possible location for a future skate park.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction	60,000					60,000
<b>Total</b>	<b>60,000</b>					<b>60,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Two Percent Tax	60,000					60,000
<b>Total</b>	<b>60,000</b>					<b>60,000</b>

<b>Operational Effect</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Other (Insurance, Utilities)	40,000	42,000	44,000	46,500	48,500	221,000
Staff Cost	99,500	102,000	104,500	107,000	110,000	523,000
Supplies/Materials	41,500	40,500	42,500	44,500	47,000	216,000
<b>Total</b>	<b>181,000</b>	<b>184,500</b>	<b>191,000</b>	<b>198,000</b>	<b>205,500</b>	<b>960,000</b>

**Police Station Cooling Towers and Chillers**

<b>Total Cost</b>	\$1,200,000
<b>Type</b>	Equipment
<b>Progress</b>	Design Complete
<b>Category</b>	Other
<b>Priority</b>	Type I
<b>Location</b>	Police Department



**Justification**

The current HVAC system is at the end of its lifecycle. The cooling system is old, inefficient, and repair costs are rising as a result. Parts are becoming more difficult to find resulting in longer down time and additional indirect costs.

**Description**

It is necessary to replace the towers and chillers along with the outdated system components in order to effectively and efficiently run the system.

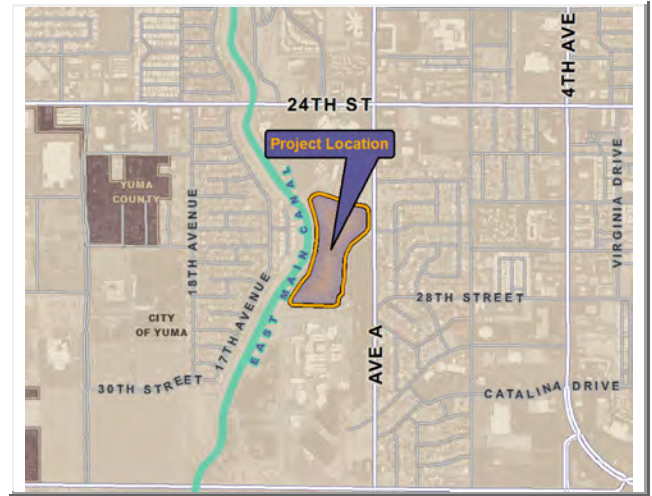
<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Equipment	950,000					950,000
Installation	250,000					250,000
<b>Total</b>	<b>1,200,000</b>					<b>1,200,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Bond-General	1,200,000					1,200,000
<b>Total</b>	<b>1,200,000</b>					<b>1,200,000</b>



**Smucker Regional Storm Drain Basin**

<b>Total Cost</b>	\$1,000,000
<b>Type</b>	Improvement
<b>Progress</b>	Design Complete
<b>Category</b>	Storm Sewer/Drainage
<b>Priority</b>	Type I
<b>Location</b>	Area Surrounding Smucker Park



**Justification**

The basin was first purposed to the Yuma County Flood Control District (Y.C.F.C.D.) 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 Y.C.F.C.D. The project cost has risen from approximately \$2,250,000 to \$6,490,000. The increases are due to inflation and additional design requirements. The Basin construction will be primarily funded by the Y.C.F.C.D. with the City’s share being \$1,000,000.

**Description**

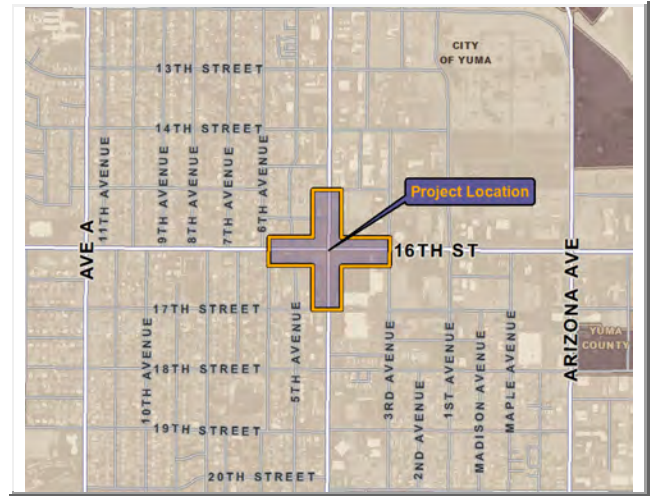
A 96 inch diameter pipe will be installed at the intersections of 28th Street and Westridge Drive at Avenue A. A storm water collection basin will be built east of the East Main Canal and on the northwest corner of Smucker Park.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction	1,000,000					1,000,000
<b>Total</b>	<b>1,000,000</b>					<b>1,000,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax	1,000,000					1,000,000
<b>Total</b>	<b>1,000,000</b>					<b>1,000,000</b>

**16th Street & 4th Ave Intersection Improvements**

<b>Total Cost</b>	\$8,930,000
<b>Type</b>	Improvement
<b>Progress</b>	Under Design
<b>Category</b>	Street Reconstruction
<b>Priority</b>	Type I
<b>Location</b>	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.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Land Acquisition/Right-of-Way	1,297,000					1,297,000
Construction	3,332,000	4,020,000				7,352,000
Inspection	65,000	216,000				281,000
<b>Total</b>	<b>4,694,000</b>	<b>4,236,000</b>				<b>8,930,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Bond-Transportation	2,271,000	1,000,000				3,271,000
Bond-Wastewater	120,000					120,000
Bond-Water	1,303,000					1,303,000
City Road Tax		1,373,000				1,373,000
Development Fee 328	1,000,000	1,863,000				2,863,000
<b>Total</b>	<b>4,694,000</b>	<b>4,236,000</b>				<b>8,930,000</b>

**24th Street - Avenue B to Avenue C Improvements**

**Total Cost** \$2,230,000  
**Type** Improvement  
**Progress** Design Complete  
**Category** Street Reconstruction  
**Priority** Type I  
**Location** 24th Street - Avenue B to Avenue 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 surrounding urban development.

**Description**

Reconstruct road to minor arterial with curb, gutter, sidewalk, setbacks and parkways, and storm drainage facilities. This street is to include bike lanes as identified in the bicycle element of the General Plan. Project design will include right-turn lanes, utility undergrounding, and landscaped setbacks where appropriate.

Phase I - Relocation of Edenwood Subdivision walls (complete)

Phase II - Relocation of APS facilities, construct storm water basin (2014 and 2015)

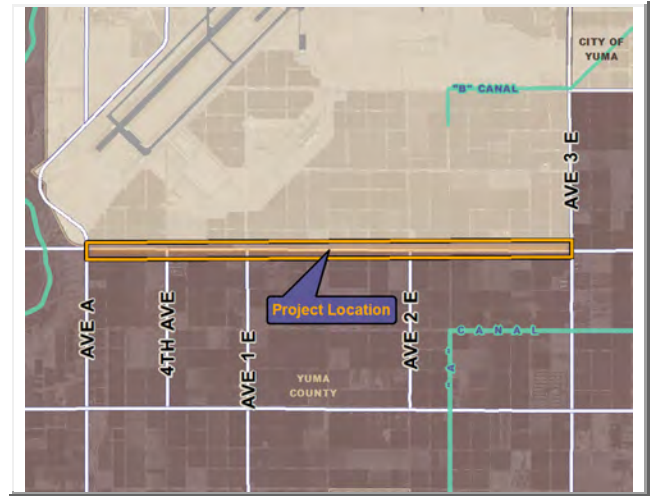
Phase III - Remainder of street widening and improvements estimated cost \$2,647,000 (TBD)

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction	1,930,000					1,930,000
Inspection	300,000					300,000
<b>Total</b>	<b>2,230,000</b>					<b>2,230,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
ProRata Fund	2,230,000					2,230,000
<b>Total</b>	<b>2,230,000</b>					<b>2,230,000</b>

**56th Street Pavement Overlay**

<b>Total Cost</b>	\$100,000
<b>Type</b>	Improvement
<b>Progress</b>	Under Design
<b>Category</b>	Street Reconstruction
<b>Priority</b>	Type I
<b>Location</b>	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.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction	100,000					100,000
<b>Total</b>	<b>100,000</b>					<b>100,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax	100,000					100,000
<b>Total</b>	<b>100,000</b>					<b>100,000</b>

**Airport Loop Road Improvements**

**Total Cost** \$116,000  
**Type** Improvement  
**Progress** Under Design  
**Category** Street Improvement  
**Priority** Type I  
**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.

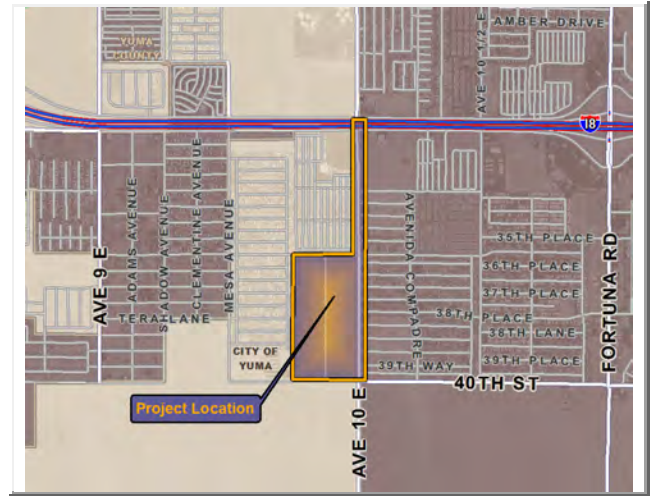
<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	10,000					10,000
Construction	100,000					100,000
Inspection	6,000					6,000
<b>Total</b>	<b>116,000</b>					<b>116,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax	116,000					116,000
<b>Total</b>	<b>116,000</b>					<b>116,000</b>

**Avenue 10E Improvements**

**Total Cost** \$205,000  
**Type** Improvement  
**Progress** Planning  
**Category** Street Improvement  
**Priority** Type I  
**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**

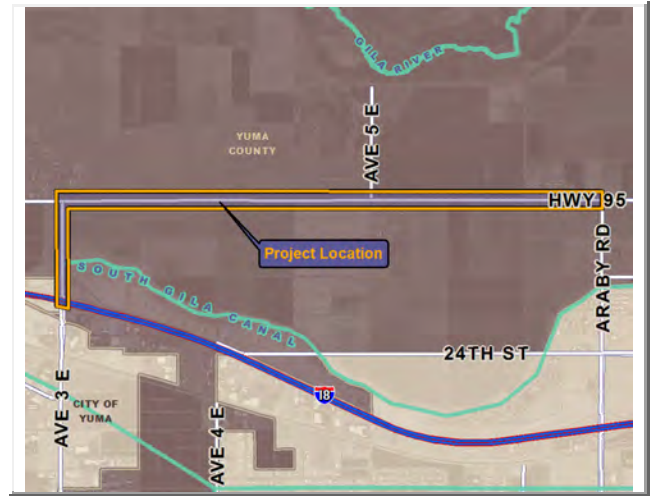
Agreement requires property owners to design and construct certain roadway improvements on Avenue 10E with the City reimbursing the owners a portion of costs.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	18,000					18,000
Construction	177,000					177,000
Inspection	10,000					10,000
<b>Total</b>	<b>205,000</b>					<b>205,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax	94,500					94,500
Development Fee 328	40,500					40,500
Water Utility Fund	70,000					70,000
<b>Total</b>	<b>205,000</b>					<b>205,000</b>

**Avenue 3E and 16th Street Improvements**

<b>Total Cost</b>	\$265,000
<b>Type</b>	Improvement
<b>Progress</b>	Under Design
<b>Category</b>	Street Improvement
<b>Priority</b>	Type I
<b>Location</b>	Avenue 3E, 16th St to I-8 and 16th St to Araby Road



**Justification**

The improvements that are a result of Avenue 3E purposed as an alternative route to provide connectivity from the northern end of Area Service Highway SR 195 and US Highway 95, at the intersection of 16th Street and Araby Road, as addressed in the Second Addendum to Joint Project Agreement (JPA) 98-175, the Area Service Highway Agreement and approved by adoption of Yuma City Council Resolution No. R2012-54.

**Description**

This project will involve the reconstruction and widening of Avenue 3E between Interstate-8 and 16th Street to a five-lane arterial roadway, signal upgrades at the Avenue 3E and 16th Street intersection and a pavement overlay of 16th Street, between Avenue 3E and Araby Road. Also included in the project will be the addition of turn lanes, where appropriate, and incidental pavement reconfigurations necessary to transition the new roadway sections to the existing streets. Yuma County has committed the local federal fund match for design and the City the construction match.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction	265,000					265,000
<b>Total</b>	<b>265,000</b>					<b>265,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Bond-Transportation	265,000					265,000
<b>Total</b>	<b>265,000</b>					<b>265,000</b>

**Catalina Drive - 32nd Street to 4th Avenue Paving**

<b>Total Cost</b>	\$405,000
<b>Type</b>	Improvement
<b>Progress</b>	Under Design
<b>Category</b>	Street Reconstruction
<b>Priority</b>	Type I
<b>Location</b>	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.

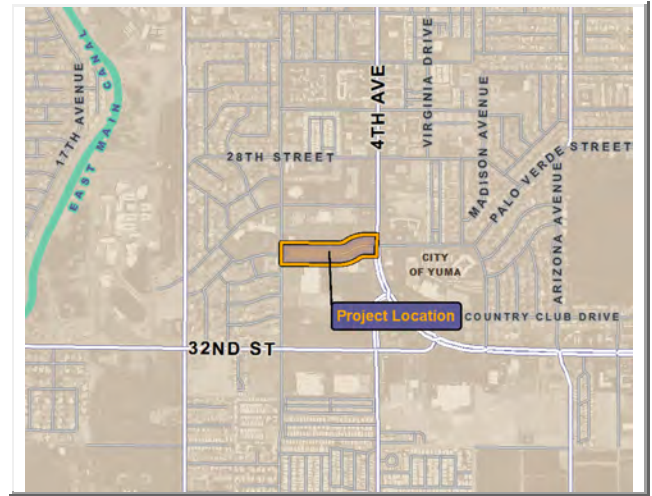
<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction	375,000					375,000
Inspection	30,000					30,000
<b>Total</b>	<b>405,000</b>					<b>405,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax	405,000					405,000
<b>Total</b>	<b>405,000</b>					<b>405,000</b>



**Catalina Drive - 8th Avenue to 4th Avenue Paving**

<b>Total Cost</b>	\$355,000
<b>Type</b>	Improvement
<b>Progress</b>	Under Construction
<b>Category</b>	Street Reconstruction
<b>Priority</b>	Type I
<b>Location</b>	Catalina Drive - 8th Avenue to 4th Avenue



**Justification**

Inspection of this roadway section revealed alligator cracking at over 30% of the streets surface and distortion up to two inches in depth.

**Description**

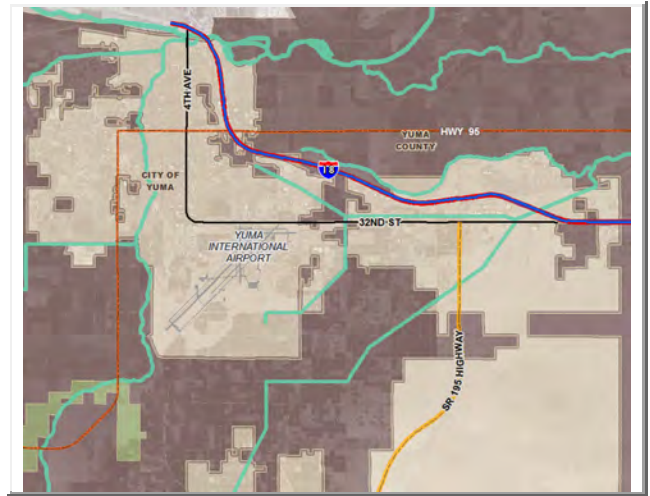
This 5-lane road requires pavement replacement from curb to curb. The project will replace existing pavement, worn/broken curb, sidewalk, and driveways as needed.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction	325,000					325,000
Inspection	30,000					30,000
<b>Total</b>	<b>355,000</b>					<b>355,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax	355,000					355,000
<b>Total</b>	<b>355,000</b>					<b>355,000</b>

**Citywide Safety Study**

**Total Cost** \$700,000  
**Type** Improvement  
**Progress** Planning  
**Category** Other  
**Priority** Type I  
**Location** Citywide



**Justification**

There are several intersections and roadway segments in the City that have been noted as areas of safety concern. This study will evaluate these areas and identify candidate projects. This study will complement the City of Yuma 2014 Transportation Master Plan and the Yuma Metropolitan Planning Organization Regional Strategic Transportation Safety Plan (STSP).

**Description**

Prepare and submit grant applications through the Move Ahead for Progress in the 21st Century Act (MAP-21) to the Arizona Department of Transportation (ADOT) for available statewide funds. Grant funds awarded can be up to \$10,000,000 on a competitive basis. MAP-21 is scheduled for reauthorization in 2017. Funding classified as construction is the projected City match for applications submitted. Project scope:

- Review citywide data and evaluate to determine priority projects that are eligible for United States federal surface transportation spending through MAP-21.
- Develop concept plans, project cost estimates, manage agency review, address comments, and prepare grant applications for submission to ADOT.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	100,000	100,000	100,000			300,000
Construction		40,000	40,000	160,000	160,000	400,000
<b>Total</b>	<b>100,000</b>	<b>140,000</b>	<b>140,000</b>	<b>160,000</b>	<b>160,000</b>	<b>700,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax	100,000	140,000	140,000	160,000	160,000	700,000
<b>Total</b>	<b>100,000</b>	<b>140,000</b>	<b>140,000</b>	<b>160,000</b>	<b>160,000</b>	<b>700,000</b>

**Fleet Services Maintenance Shop**

**Total Cost** \$10,000,000  
**Type** Building  
**Progress** Design Complete  
**Category** Buildings  
**Priority** Type I  
**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. Public Safety share of this facility will be substantial due to the size of their fleet.

**Description**

Construction of a new Fleet Maintenance complex for the relocation of maintenance and operating functions with storage for streets, solid waste, fire, parks, police and utilities vehicles, equipment and materials.

- Phase I: Update phases to current building code (2008)
- Phase II: Utility relocation and site preparation (2015)
- Phase III: Facility construction (2016-2017)

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	210,000					210,000
Construction	1,790,000	5,500,000	2,000,000			9,290,000
Inspection			500,000			500,000
<b>Total</b>	<b>2,000,000</b>	<b>5,500,000</b>	<b>2,500,000</b>			<b>10,000,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Bond-General	1,500,000	5,500,000	2,500,000			9,500,000
Development Fee 323	359,000					359,000
Development Fee 327	141,000					141,000
<b>Total</b>	<b>2,000,000</b>	<b>5,500,000</b>	<b>2,500,000</b>			<b>10,000,000</b>

**Pacific Avenue - 32nd to 24th Street Paving**

<b>Total Cost</b>	\$900,000
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Street Paving
<b>Priority</b>	Type I
<b>Location</b>	Pacific Avenue - 32nd Street to 24th Street



**Justification**

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

**Description**

Asphalt pavement reconstruction on Pacific Avenue from 32nd Street to 24th Street.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction	900,000					900,000
<b>Total</b>	<b>900,000</b>					<b>900,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax	900,000					900,000
<b>Total</b>	<b>900,000</b>					<b>900,000</b>

**Palo Verde St - Catalina Dr to Arizona Ave Paving**

<b>Total Cost</b>	\$409,000
<b>Type</b>	Improvement
<b>Progress</b>	Under Design
<b>Category</b>	Street Paving
<b>Priority</b>	Type I
<b>Location</b>	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**

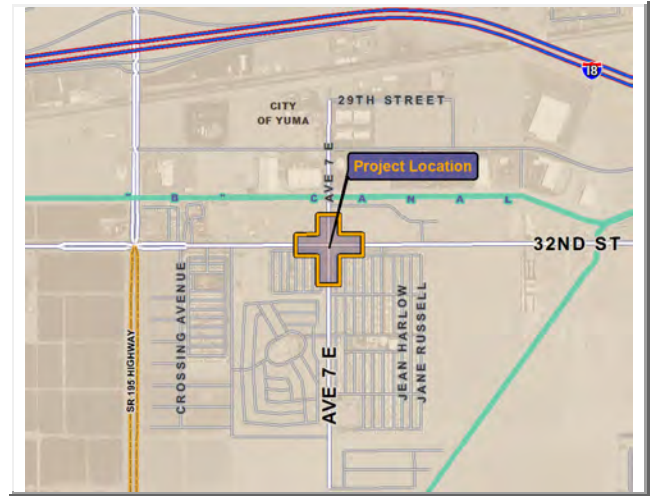
Remove and replace existing pavement.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction	379,000					379,000
Inspection	30,000					30,000
<b>Total</b>	<b>409,000</b>					<b>409,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax	409,000					409,000
<b>Total</b>	<b>409,000</b>					<b>409,000</b>

**32nd Street and Avenue 7E Turn Lane**

<b>Total Cost</b>	\$173,000
<b>Type</b>	Improvement
<b>Progress</b>	Under Design
<b>Category</b>	Street Improvement
<b>Priority</b>	Type II
<b>Location</b>	32nd Street and Avenue 7E Intersection



**Justification**

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

**Description**

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

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	10,000					10,000
Construction	150,000					150,000
Inspection	13,000					13,000
<b>Total</b>	<b>173,000</b>					<b>173,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Development Fee 328	173,000					173,000
<b>Total</b>	<b>173,000</b>					<b>173,000</b>

**32nd Street and Avenue 8E Turn Lane**

<b>Total Cost</b>	\$203,000
<b>Type</b>	Improvement
<b>Progress</b>	Under Design
<b>Category</b>	Street Improvement
<b>Priority</b>	Type II
<b>Location</b>	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.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	14,000					14,000
Construction	175,000					175,000
Inspection	14,000					14,000
<b>Total</b>	<b>203,000</b>					<b>203,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Development Fee 328	203,000					203,000
<b>Total</b>	<b>203,000</b>					<b>203,000</b>

**4th Avenue and Big Curve Turn Lane**

<b>Total Cost</b>	\$178,200
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Street Improvement
<b>Priority</b>	Type II
<b>Location</b>	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.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	17,800					17,800
Construction	148,500					148,500
Inspection	11,900					11,900
<b>Total</b>	<b>178,200</b>					<b>178,200</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax	145,500					145,500
Development Fee 328	32,700					32,700
<b>Total</b>	<b>178,200</b>					<b>178,200</b>



**East Main Canal MSP - 32nd Street Underpass**

<b>Total Cost</b>	\$35,000
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Street Reconstruction
<b>Priority</b>	Type II
<b>Location</b>	32nd Street - Between Avenue A and Avenue B



**Justification**

Provide safe pedestrian and bicycle access across 32nd Street.

**Description**

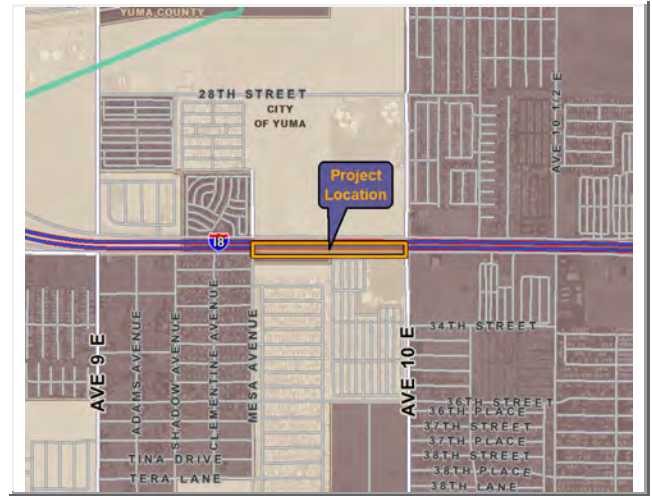
Research and apply for grants which will facilitate the design and construction of an underpass to connect the East Main Canal Multi-use path across 32nd Street.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	35,000					35,000
<b>Total</b>	<b>35,000</b>					<b>35,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax	35,000					35,000
<b>Total</b>	<b>35,000</b>					<b>35,000</b>

**South Frontage Road - Avenue 9½E to Avenue 10E**

<b>Total Cost</b>	\$395,000
<b>Type</b>	Construction
<b>Progress</b>	Under Construction
<b>Category</b>	Street Reconstruction
<b>Priority</b>	Type II
<b>Location</b>	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.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction	370,000					370,000
Inspection	25,000					25,000
<b>Total</b>	<b>395,000</b>					<b>395,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Bond-Transportation	395,000					395,000
<b>Total</b>	<b>395,000</b>					<b>395,000</b>

**Villa Hermosa No. 2 Storm Basin**

<b>Total Cost</b>	\$76,000
<b>Type</b>	Improvement
<b>Progress</b>	Design Complete
<b>Category</b>	Storm Basin
<b>Priority</b>	Type II
<b>Location</b>	Storm Drain between 33rd Drive and 29th Avenue



**Justification**

Storm basin improvements are necessary in this area in order to increase storm water capacity and improve water distribution.

**Description**

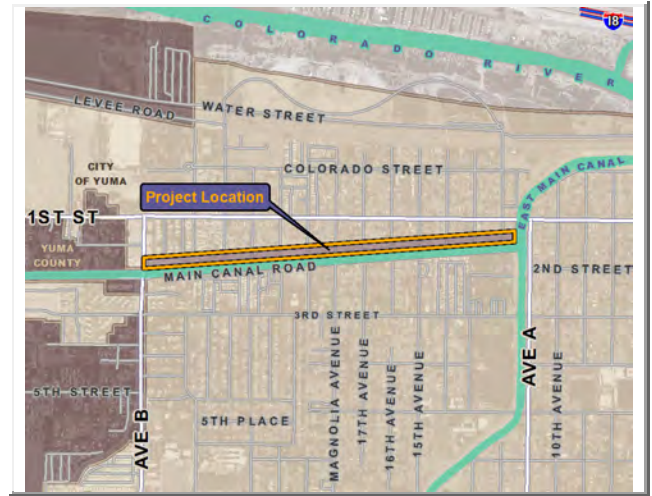
Reconstruct existing residential streets and storm basin west of Villa Hermosa Subdivision. Replace roll curb and gutter, streetlights, and storm drainage, except for 22nd Street. This project will be built in conjunction with the 24th Street Avenue B to Avenue C improvements.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction	70,000					70,000
Inspection	6,000					6,000
<b>Total</b>	<b>76,000</b>					<b>76,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Bond-Transportation	76,000					76,000
<b>Total</b>	<b>76,000</b>					<b>76,000</b>

**West Main Canal Multi-Use Path**

**Total Cost** \$797,900  
**Type** Improvement  
**Progress** Under Design  
**Category** Street Construction  
**Priority** Type II  
**Location** West Main Canal between Main Canal (Avenue A) and Thacker Canal (Avenue B)



**Justification**

The West Main Canal Multi-Use Path is identified as a path in need of improvement 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 sought and awarded for this project.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	152,500					152,500
Construction	543,800					543,800
Inspection	101,600					101,600
<b>Total</b>	<b>797,900</b>					<b>797,900</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax	114,500					114,500
Grant	683,400					683,400
<b>Total</b>	<b>797,900</b>					<b>797,900</b>

**10th Avenue and Avenue A Alley Sanitary Sewer**

<b>Total Cost</b>	\$325,000
<b>Type</b>	Improvement
<b>Progress</b>	Under Design
<b>Category</b>	Wastewater
<b>Priority</b>	Type I
<b>Location</b>	10th Avenue / Avenue A, alley 5th Street to 8th Street



**Justification**

The tar-sealed vitrified clay pipe has been damaged. The damage allows roots to breach the pipe and causes system disruptions. Replacing this sewer line will improve service levels by minimizing service disruptions.

**Description**

Replace 1,900 feet of 8 inch vitrified clay pipe with 8 inch pipe and reconnect service laterals.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction	312,000					312,000
Inspection	13,000					13,000
<b>Total</b>	<b>325,000</b>					<b>325,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Wastewater Utility Fund	325,000					325,000
<b>Total</b>	<b>325,000</b>					<b>325,000</b>

**4th Street & Avenue A Sewer Line Replacement**

<b>Total Cost</b>	\$55,000
<b>Type</b>	Improvement
<b>Progress</b>	Under Design
<b>Category</b>	Wastewater
<b>Priority</b>	Type I
<b>Location</b>	4th Street - Avenue A to 9th Avenue Alley



**Justification**

Line is very shallow with an extremely high possibility of sanitary sewer overflows.

**Description**

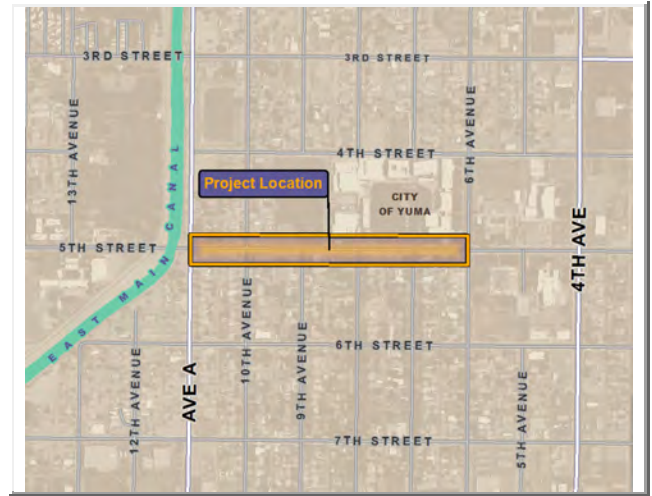
Replace approximately 200 feet of 8 inch vitrified clay sanitary sewer line and two manholes from the 4th Street and Avenue A intersection east to the 9th/10th Avenue alley.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	1,500					1,500
Construction	52,000					52,000
Inspection	1,500					1,500
<b>Total</b>	<b>55,000</b>					<b>55,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Wastewater Utility Fund	55,000					55,000
<b>Total</b>	<b>55,000</b>					<b>55,000</b>

**5th Street Sanitary Sewer Replacement**

<b>Total Cost</b>	\$300,000
<b>Type</b>	Improvement
<b>Progress</b>	Design Complete
<b>Category</b>	Wastewater
<b>Priority</b>	Type I
<b>Location</b>	5th Street at 6th/7th Ave alley to Ave. A



**Justification**

The sewer mainline has been damaged. The damage allows roots to breach the pipe joints and causes system disruptions. Replacing this mainline will improve service levels and minimize system disruptions.

**Description**

Replace 1,600 linear feet of 8 inch and 10 inch sanitary sewer mainline, manholes and reconnect existing service lines. This project has been designed.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction	290,000					290,000
Inspection	10,000					10,000
<b>Total</b>	<b>300,000</b>					<b>300,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Wastewater Utility Fund	300,000					300,000
<b>Total</b>	<b>300,000</b>					<b>300,000</b>

**Downtown Sewer Line Replacement**

**Total Cost** \$235,000  
**Type** Improvement  
**Progress** Under Design  
**Category** Wastewater  
**Priority** Type I  
**Location** 3rd Street and Madison Avenue



**Justification**

Sewer lines in the downtown area are some of the oldest sewer lines in the City. Many of these pipes are broken due to root intrusion or age and must be replaced.

**Description**

Replace 380 linear feet of 8 inch Vitrified Clay Pipe (VCP) on 3rd Street from Madison Avenue to Main Street and 510 linear feet of 8 inch VCP on Madison Avenue from Giss Parkway to 5th Street.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	10,000					10,000
Construction	215,000					215,000
Inspection	10,000					10,000
<b>Total</b>	<b>235,000</b>					<b>235,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax	90,000					90,000
Wastewater Utility Fund	145,000					145,000
<b>Total</b>	<b>235,000</b>					<b>235,000</b>



**Figueroa WPCF Bar Screen Replacement**

<b>Total Cost</b>	\$1,340,000
<b>Type</b>	Maintenance
<b>Progress</b>	Planning
<b>Category</b>	Wastewater
<b>Priority</b>	Type I
<b>Location</b>	Figueroa Water Pollution Control Facility



**Justification**

The bar screens are the first phase of the water treatment process. They 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.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	50,000					50,000
Inspection	50,000					50,000
Equipment	840,000					840,000
Installation	400,000					400,000
<b>Total</b>	<b>1,340,000</b>					<b>1,340,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Bond-Wastewater	1,030,000					1,030,000
Wastewater Utility Fund	310,000					310,000
<b>Total</b>	<b>1,340,000</b>					<b>1,340,000</b>

**Figueroa WPCF Biosolids Dewatering Process**

<b>Total Cost</b>	\$6,840,000
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Wastewater
<b>Priority</b>	Type I
<b>Location</b>	Figueroa Avenue - Water Pollution Control Facility



**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 \$1,000,000. Solar dry technology would enable the production of Class A biosolids, eliminate over \$1,000,000 in operating expenditures and produce an environmentally friendly product. Other funding is actively being pursued.

**Description**

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

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	400,000					400,000
Construction		6,240,000				6,240,000
Inspection		200,000				200,000
<b>Total</b>	<b>400,000</b>	<b>6,440,000</b>				<b>6,840,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Other - Proposed		6,440,000				6,440,000
Wastewater Utility Fund	400,000					400,000
<b>Total</b>	<b>400,000</b>	<b>6,440,000</b>				<b>6,840,000</b>

**Figueroa WPCF On-Site Manhole Replacement**

<b>Total Cost</b>	\$275,000
<b>Type</b>	Improvement
<b>Progress</b>	Design Complete
<b>Category</b>	Wastewater
<b>Priority</b>	Type I
<b>Location</b>	Figueroa Avenue - Water Pollution Control Facility



**Justification**

The existing manholes at Figueroa Avenue Water Pollution Control Facility 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 Figueroa Avenue Water Pollution Control Facility.

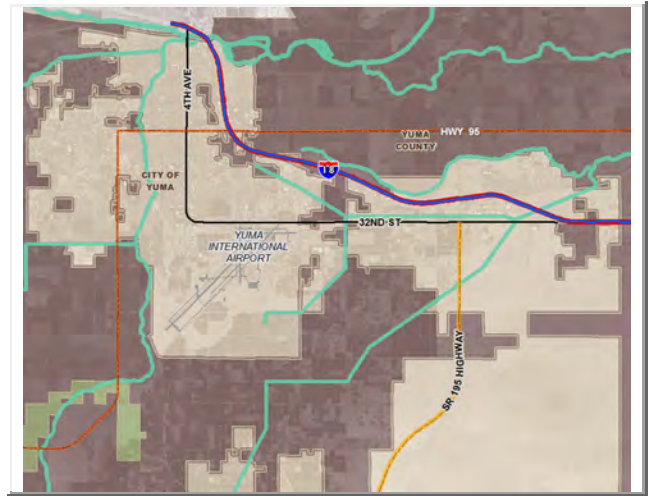
<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	15,000					15,000
Construction	250,000					250,000
Inspection	10,000					10,000
<b>Total</b>	<b>275,000</b>					<b>275,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Wastewater Utility Fund	275,000					275,000
<b>Total</b>	<b>275,000</b>					<b>275,000</b>

**Interceptor Sewer Flow Monitoring Upgrade**

<b>Total Cost</b>	\$100,000
<b>Type</b>	Construction
<b>Progress</b>	Planning
<b>Category</b>	Wastewater
<b>Priority</b>	Type I
<b>Location</b>	Citywide



**Justification**

To ensure accuracy of the department's computer flow model, real-time flow data is needed on a regular basis. The installation of "in manhole" flow monitoring equipment will allow wastewater operators to monitor and alter pumping schedules to maximize the use of existing facilities and avoid possible sanitary sewer overflows.

**Description**

Install flow monitoring stations at strategic locations within the large diameter sanitary sewer interceptors throughout the collection system.

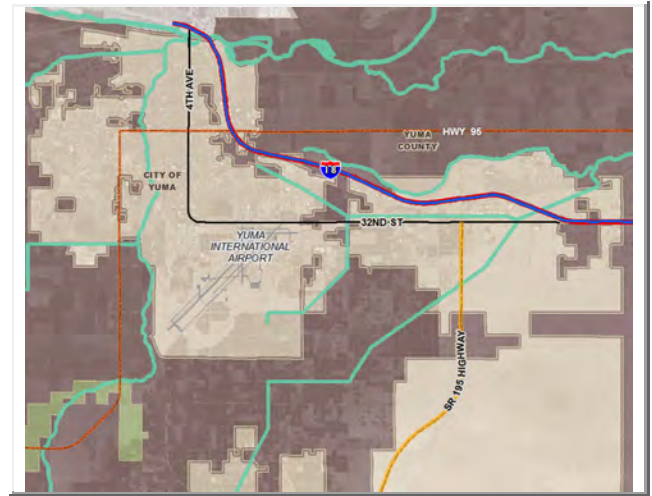
<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	5,000					5,000
Construction	90,000					90,000
Inspection	5,000					5,000
<b>Total</b>	<b>100,000</b>					<b>100,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Wastewater Utility Fund	100,000					100,000
<b>Total</b>	<b>100,000</b>					<b>100,000</b>

**Wastewater Collection System Lift Station Upgrade**

<b>Total Cost</b>	\$1,500,000
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Wastewater
<b>Priority</b>	Type I
<b>Location</b>	Citywide



**Justification**

The waste water collection system currently has twenty-five 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 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.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
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
<b>Total</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>1,500,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Wastewater Utility Fund	300,000	300,000	300,000	300,000	300,000	1,500,000
<b>Total</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>1,500,000</b>

**Desert Dunes WRF Solar Power Project**

<b>Total Cost</b>	\$11,500
<b>Type</b>	Construction
<b>Progress</b>	Under Design
<b>Category</b>	Wastewater
<b>Priority</b>	Type II
<b>Location</b>	Desert Dunes Water Reclamation Facility (WRF)



**Justification**

The single largest operating cost at the Desert Dunes Facility, excluding labor costs, is power. As solar technology improves government tax credits have become available to solar power providers, electrical costs can be substantially reduced over a long term power purchase agreement. As energy produced by fossil fuels continues to increase the need for long term stable energy solutions are needed in order to minimize operating expenses and subsequent rate increases to customers. A power provider would install, own and operate the solar facility to minimize the capital impact. The intent would be to have provisions in the contract to give the City of Yuma the option to purchase the system in time.

**Description**

Project involves completing a Solar Energy Feasibility Study for the Desert Dunes Water Reclamation Facility, issuance of RFP to solar power providers, and if reasonable, enter into a long term power-purchase agreement. The Desert Dunes Water Reclamation Facility has the land available to make this project feasible.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	11,500					11,500
<b>Total</b>	<b>11,500</b>					<b>11,500</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Wastewater Utility Fund	11,500					11,500
<b>Total</b>	<b>11,500</b>					<b>11,500</b>

**Figueroa WPCF Capacity Study**

<b>Total Cost</b>	\$300,000
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Wastewater
<b>Priority</b>	Type II
<b>Location</b>	Figueroa Water Pollution Control Facility (WPCF)



**Justification**

The Figueroa WPCF was constructed in the early 1970's and expanded in the 1980's. The facility currently meets or exceeds all permitted discharge water quality requirements. However, there is a push by the Environmental Protection Agency through the Clean Water Act for States to place more stringent parameters on nutrient removal. The facility does not have the ability to meet these more stringent limits. The Utilities Department needs a comprehensive engineering study to effectively plan for and implement new treatment technology in order to meet these expected water quality requirements.

**Description**

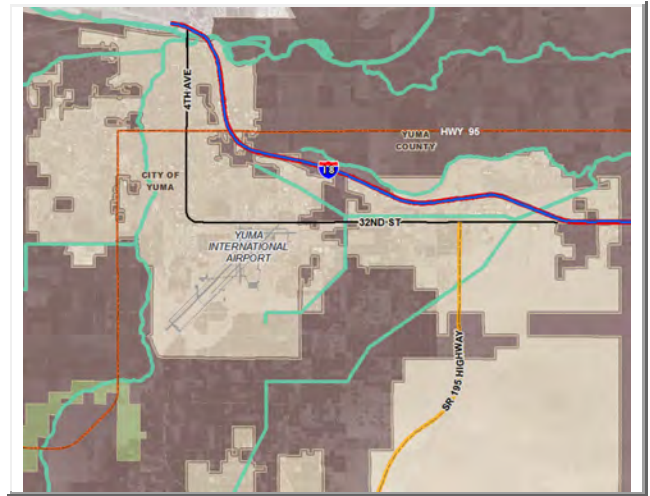
The Capacity Study is a three phase study. Phase 1 is a comprehensive examination the facility's current treatment system. The examination will provide operating recommendations and costs associated with long term facility operation. Phase 2 will examine treatment alternatives that will meet any potential permit requirements. Phase 3 is a cost benefit analysis of each treatment alternative. Recommendation will be provided that meet current and future capacity needs and/or discharge parameters. The recommendation will be used to plan for future capital expenditures at the Figueroa WPCF.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	300,000					300,000
<b>Total</b>	<b>300,000</b>					<b>300,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Wastewater Utility Fund	300,000					300,000
<b>Total</b>	<b>300,000</b>					<b>300,000</b>

**Manhole Rehabilitation/Reconstruction**

**Total Cost** \$500,000  
**Type** Improvement  
**Progress** Cascading Project  
**Category** Wastewater  
**Priority** Type II  
**Location** Citywide



**Justification**

Hydrogen sulfide is corrosive to concrete and cementitious materials and damages manholes. Sewer manholes in the Yuma Valley Interceptor Sewer line have been inspected and findings support the replacement of manholes as needed.

**Description**

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

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	10,000	10,000	10,000	10,000	10,000	50,000
Construction	80,000	80,000	80,000	80,000	80,000	400,000
Inspection	10,000	10,000	10,000	10,000	10,000	50,000
<b>Total</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>500,000</b>

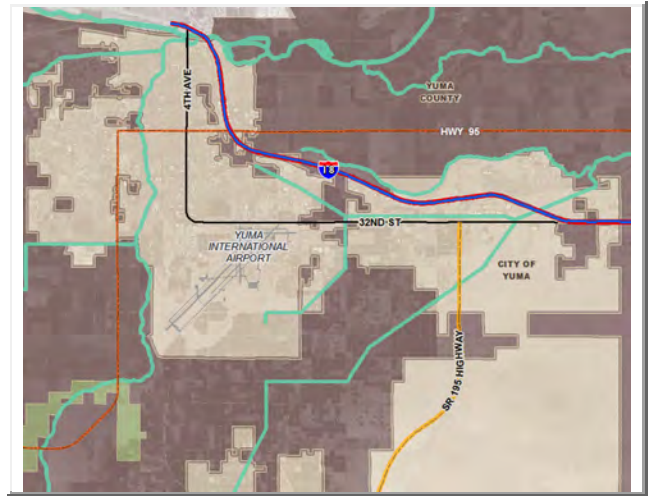
  

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Wastewater Utility Fund	100,000	100,000	100,000	100,000	100,000	500,000
<b>Total</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>500,000</b>



**Sewer Line Replacements/Improvements**

**Total Cost** \$500,000  
**Type** Improvement  
**Progress** Cascading Project  
**Category** Wastewater  
**Priority** Type II  
**Location** Citywide



**Justification**

Replace/repair sewer utility lines as needed in order to maintain uninterrupted service.

**Description**

Provide sanitary sewer extensions and modifications to the sewer collection system as needed.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
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
<b>Total</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>500,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Wastewater Utility Fund	100,000	100,000	100,000	100,000	100,000	500,000
<b>Total</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>500,000</b>

**21st Street Waterline Extension**

<b>Total Cost</b>	\$180,000
<b>Type</b>	Construction
<b>Progress</b>	Under Construction
<b>Category</b>	Water
<b>Priority</b>	Type I
<b>Location</b>	21st Street, East of Kennedy Lane



**Justification**

Connection will improve water quality in the area of 21st Street, Factor Avenue and the 20th Street light industrial area. New Stage 2 disinfection by-product rules drive the elimination of dead end waterlines.

**Description**

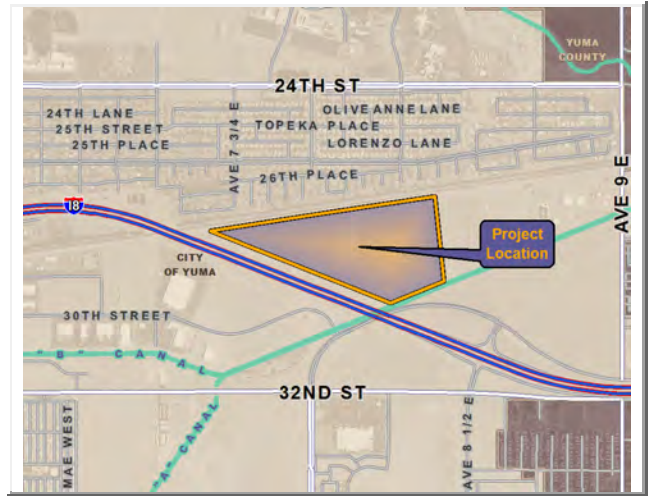
Install a 10 inch waterline at 21st Street dead end east of Kennedy Lane through Assessor Parcel Number (APN) 665-55-006 to connect the west boundary of APN 197-06-030 Property.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction	165,000					165,000
Inspection	15,000					15,000
<b>Total</b>	<b>180,000</b>					<b>180,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Bond-Water	180,000					180,000
<b>Total</b>	<b>180,000</b>					<b>180,000</b>

**Agua Viva Urban Lake**

<b>Total Cost</b>	\$21,227,000
<b>Type</b>	Construction
<b>Progress</b>	Planning
<b>Category</b>	Other
<b>Priority</b>	Type I
<b>Location</b>	West of Agua Viva Water Treatment Plant



**Justification**

The City of Yuma's water system needs to develop a reliable supply of raw water. The raw water is delivered via canal system. Periodic routine maintenance is performed on the canal taking it out of service. The City of Yuma's water allocation would allow the City to store water. Other funding sources are actively being pursued. This project will not proceed in the scheduled year unless funding is established.

**Description**

Develop the area west of the Agua Viva Water Treatment Plant into an Urban Lake providing raw water storage for the treatment facility. The storage will allow the City of Yuma to maintain water production when the irrigation canal is down. The area will be developed as an Urban Lake to provide recreational opportunities for residents such as fishing or canoeing.

Phase I - Feasibility Study (2014 and 2015)

Phase II - Design

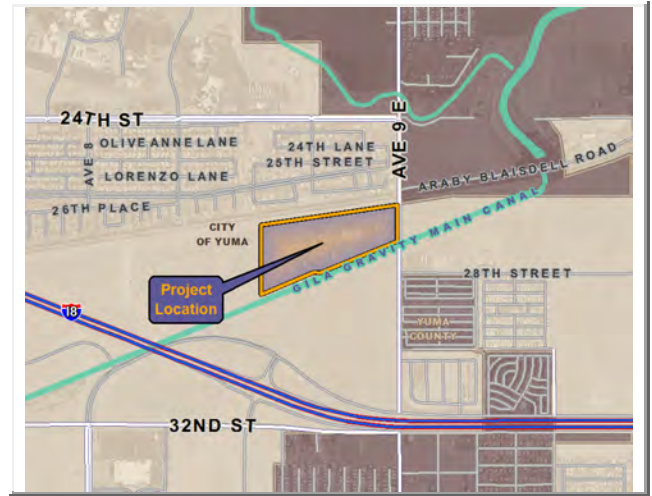
Phase III - Construction

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	530,000					530,000
Land Acquisition/Right-of-Way	297,000					297,000
Construction			20,000,000			20,000,000
Inspection			400,000			400,000
<b>Total</b>	<b>827,000</b>		<b>20,400,000</b>			<b>21,227,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Bond-Water	530,000					530,000
Other - Proposed			20,400,000			20,400,000
Two Percent Tax	297,000					297,000
<b>Total</b>	<b>827,000</b>		<b>20,400,000</b>			<b>21,227,000</b>

**Agua Viva WTP Solar Power**

<b>Total Cost</b>	\$13,000
<b>Type</b>	Improvement
<b>Progress</b>	Under Design
<b>Category</b>	Water
<b>Priority</b>	Type I
<b>Location</b>	Agua Viva Water Treatment Plant (WTP)



**Justification**

Power to operate Agua Viva Water Treatment Plant approaches labor costs. As solar technology has improved and with the availability of government tax credits to solar power providers, the electrical costs can be substantially reduced using a long term power purchase agreement. As energy produced by fossil fuels continues to increase the need for long term stable energy solutions are needed to minimize operating expenses and subsequent rate increases to City of Yuma customers. Operation and installation will be the responsibility of the provider to minimize capital impact. Provision to be included in the contract to give the City the option to purchase the system.

**Description**

Project involves completing a Solar Energy Feasibility Study for the Agua Viva Water Treatment Plant, issue RFP to solar power providers, and if reasonable, enter into a long term power-purchase agreement. Agua Viva Water Treatment Plant has the land available to make the project feasible.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	13,000					13,000
<b>Total</b>	<b>13,000</b>					<b>13,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Bond-Water	13,000					13,000
<b>Total</b>	<b>13,000</b>					<b>13,000</b>

**Madison Avenue - 2nd to 3rd Street Waterline**

<b>Total Cost</b>	\$320,000
<b>Type</b>	Improvement
<b>Progress</b>	Under Construction
<b>Category</b>	Water
<b>Priority</b>	Type I
<b>Location</b>	Madison Avenue - 2nd Street to 3rd Street



**Justification**

Connect existing system which will result in the improvement of water service and quality.

**Description**

Connect existing waterline system along with sidewalk rehabilitation, curb & gutter, and sewer line loop system.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	5,000					5,000
Construction	300,000					300,000
Inspection	15,000					15,000
<b>Total</b>	<b>320,000</b>					<b>320,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Bond-Wastewater	97,500					97,500
Bond-Water	65,000					65,000
City Road Tax	157,500					157,500
<b>Total</b>	<b>320,000</b>					<b>320,000</b>

**Main Street WTP Roof Upgrade**

<b>Total Cost</b>	\$37,900
<b>Type</b>	Construction
<b>Progress</b>	Under Construction
<b>Category</b>	Water
<b>Priority</b>	Type I
<b>Location</b>	Main Street Treatment Plant



**Justification**

Existing roof is aged and likely to cause significant damage to the electrical system and equipment if not upgraded.

**Description**

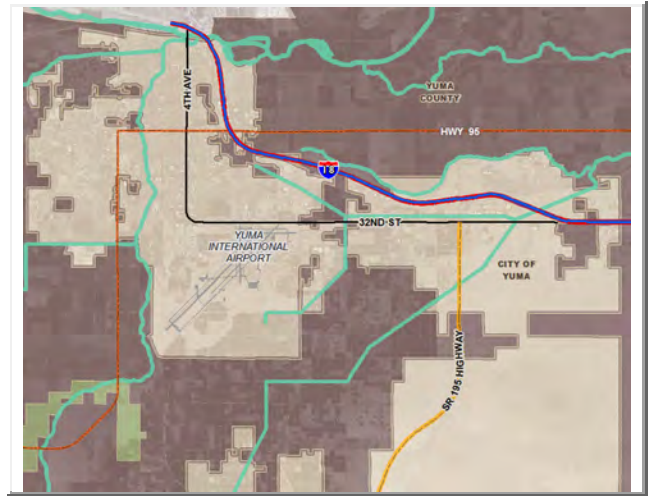
Upgrade roof at Main Street Water Treatment Plant generator building.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction	32,900					32,900
Inspection	5,000					5,000
<b>Total</b>	<b>37,900</b>					<b>37,900</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Bond-Water	37,900					37,900
<b>Total</b>	<b>37,900</b>					<b>37,900</b>

**New Water Services**

**Total Cost** \$185,000  
**Type** Improvement  
**Progress** Cascading Project  
**Category** Water  
**Priority** Type I  
**Location** Citywide



**Justification**

This project finances water service line capital improvements to the water system during the course of the fiscal year.

**Description**

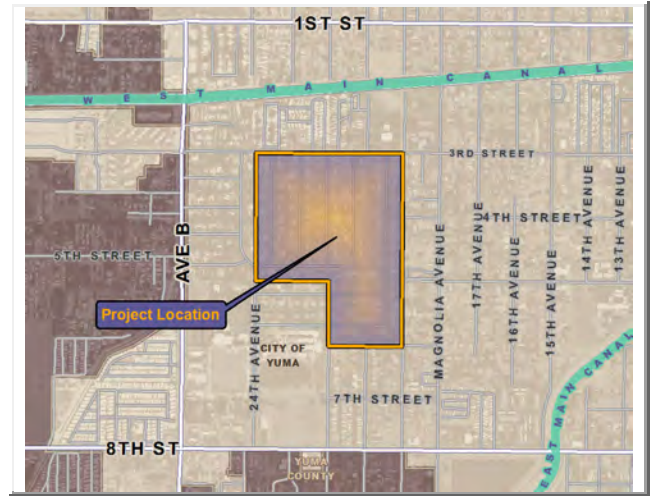
New service installations including water meter boxes, polyvinylchloride pipe and fittings.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction	25,000	30,000	35,000	45,000	50,000	185,000
<b>Total</b>	<b>25,000</b>	<b>30,000</b>	<b>35,000</b>	<b>45,000</b>	<b>50,000</b>	<b>185,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Water Utility Fund	25,000	30,000	35,000	45,000	50,000	185,000
<b>Total</b>	<b>25,000</b>	<b>30,000</b>	<b>35,000</b>	<b>45,000</b>	<b>50,000</b>	<b>185,000</b>

**Pecan Grove Neighborhood Waterline Replacement**

<b>Total Cost</b>	\$638,000
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Water
<b>Priority</b>	Type I
<b>Location</b>	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.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	50,000					50,000
Construction	575,000					575,000
Inspection	13,000					13,000
<b>Total</b>	<b>638,000</b>					<b>638,000</b>

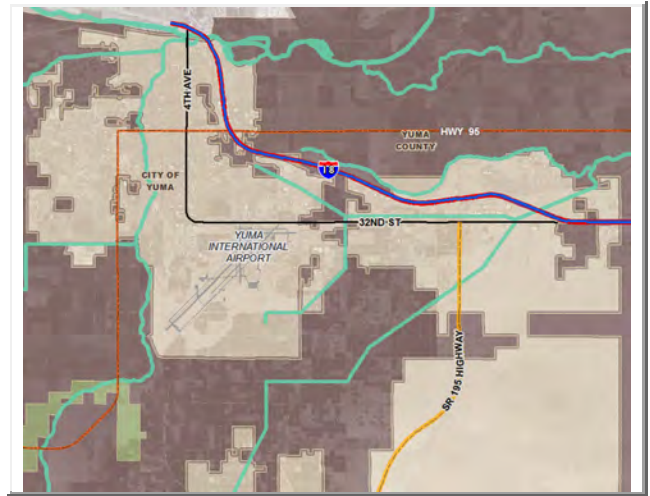
  

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Bond-Water	638,000					638,000
<b>Total</b>	<b>638,000</b>					<b>638,000</b>



**Water Main Replacement Annual Project**

**Total Cost** \$6,206,200  
**Type** Improvement  
**Progress** Cascading Project  
**Category** Water  
**Priority** Type I  
**Location** Citywide



**Justification**

Replace existing aging infrastructure to meet current fire protection levels in the distribution system. Replacing these lines will reduce maintenance costs and improve service levels. Fiscal years 2017 through 2019 of this project are currently an unfunded requirement and will not go forward in the scheduled years unless funding is established.

**Description**

Approximately 2 to 4 miles of undersized or aging water distribution mains throughout the water distribution system will be replaced. No dig pipe bursting technology will be utilized.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	105,000	105,000	105,000	105,000	105,000	525,000
Construction	1,026,200	1,070,000	1,070,000	1,070,000	1,070,000	5,306,200
Inspection	75,000	75,000	75,000	75,000	75,000	375,000
<b>Total</b>	<b>1,206,200</b>	<b>1,250,000</b>	<b>1,250,000</b>	<b>1,250,000</b>	<b>1,250,000</b>	<b>6,206,200</b>

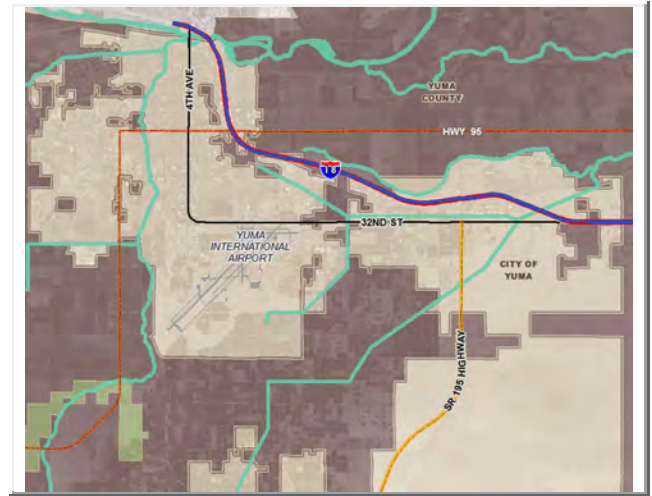
  

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Bond-Water	1,206,200	1,250,000				2,456,200
Water Utility Fund			1,250,000	1,250,000	1,250,000	3,750,000
<b>Total</b>	<b>1,206,200</b>	<b>1,250,000</b>	<b>1,250,000</b>	<b>1,250,000</b>	<b>1,250,000</b>	<b>6,206,200</b>

*Denote project is unfunded*

**Waterline Replacement/Improvements**

**Total Cost** \$1,250,000  
**Type** Improvement  
**Progress** Cascading Project  
**Category** Water  
**Priority** Type I  
**Location** Citywide



**Justification**

Provide water line replacements and/or improvements to prevent costly repairs or damages to the system. Fiscal years 2017 through 2019 of this project are currently an unfunded requirement and will not go forward in the scheduled years unless funding is established.

**Description**

Replace miscellaneous cast iron and asbestos cement or undersized waterline extensions.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
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
<b>Total</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>1,250,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Bond-Water	250,000	250,000				500,000
Water Utility Fund			250,000	250,000	250,000	750,000
<b>Total</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>1,250,000</b>

*Denote project is unfunded*

**16th Street Tanks and Pump Station Improvements**

<b>Total Cost</b>	\$600,000
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Water
<b>Priority</b>	Type II
<b>Location</b>	16th Street Water Tanks



**Justification**

Recoating of Tank No. 2 revealed extreme floor wear with a remaining life of 2-5 years. Same conditions exist for Tank No. 1. Exterior coating on the three tanks has reached its useful life which provides a necessary level of protection from UV light in the Desert Southwest. Upgrades to the pump station are necessary to provide efficient and adequate service. The addition of larger pumps at three other locations will increase the pumping flexibility of the system while providing energy cost savings.

**Description**

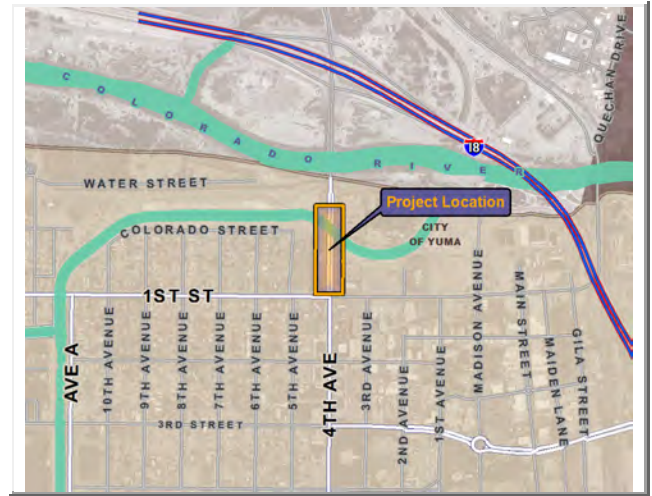
Replace or repair steel floors in Tanks No. 1 and No. 2, recoat interior and exterior of tanks 1, 2 and 3. New artwork to be included. Upgrade pump station by replacing smaller booster pumps with larger high capacity pumps. Optional roof top solar panel installation on tanks to reduce station's long term energy costs.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction	600,000					600,000
<b>Total</b>	<b>600,000</b>					<b>600,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Water Utility Fund	600,000					600,000
<b>Total</b>	<b>600,000</b>					<b>600,000</b>

**Fourth Avenue Gateway**

**Total Cost** \$681,500  
**Type** Building  
**Progress** Under Design  
**Category** Street Improvement  
**Priority** Type I  
**Location** 4th Avenue - Business 8 to 1st Street



**Justification**

This project funded by the Arizona Department of Transportation (ADOT) and Federal Highway Administration (FHWA) as it is important to improve the Gateway to Arizona and the Yuma Community. The project will also address the 4th Avenue right-of-way abandonment from ADOT to the City and the underlying ownership of a 50 foot strip of land that was acquired from the U.S. Bureau of Reclamation as authorized by the US Congress in 2006.

**Description**

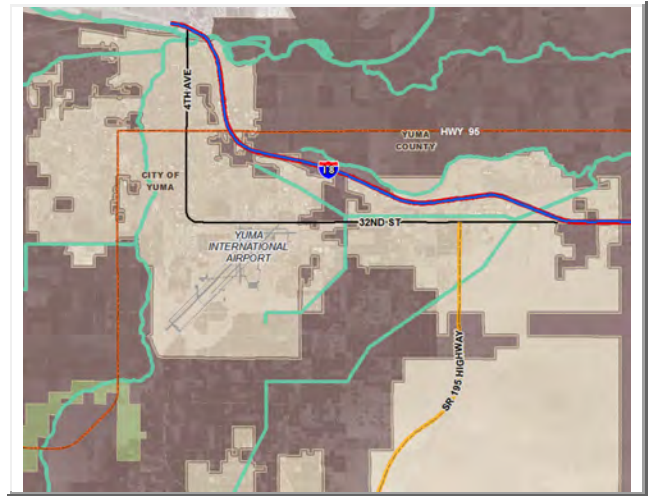
The Fourth Avenue Gateway project will rehabilitate the 1956 ADOT Port of Entry building (Façade Improvements); construct a 10 foot wide multi-use pathway with pedestrian lighting; add welcome and way finding signage; and beautify the entry gateway with landscape and hardscape features. The 10 foot wide multi-use pathway on the east side of the project will connect to the Yuma Canal Pathway (a completed transportation enhancement project) at its northern terminus to the existing sidewalk at its southern terminus. Pedestrian lighting will be added to enhance safety. Landscaping and decorative planter walls in the median will greatly enhance the historic Port of Entry and create a sense of arrival for visitors. The project limits will begin at the Stateline on Business 8 and extend south for 0.28 miles, terminating at 1st Street.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	125,000					125,000
Construction	528,500					528,500
Inspection	28,000					28,000
<b>Total</b>	<b>681,500</b>					<b>681,500</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Grant	644,000					644,000
Two Percent Tax	37,500					37,500
<b>Total</b>	<b>681,500</b>					<b>681,500</b>

**Redevelopment Proposed Grants**

**Total Cost** \$60,000  
**Type** Improvement  
**Progress** Planning  
**Category** Redevelopment  
**Priority** Type I  
**Location** Citywide



**Justification**

This project will provide the necessary funding to seek funding for projects in need of funding.

**Description**

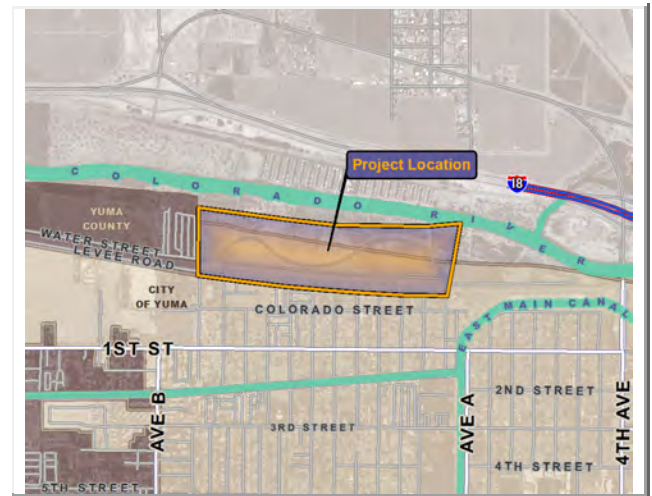
This project will provide funding for grant opportunities that may become available.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	35,000	25,000				60,000
<b>Total</b>	<b>35,000</b>	<b>25,000</b>				<b>60,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Two Percent Tax	35,000	25,000				60,000
<b>Total</b>	<b>35,000</b>	<b>25,000</b>				<b>60,000</b>

**West Wetlands Lower Bench Completion**

<b>Total Cost</b>	\$100,000
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Improvement
<b>Priority</b>	Type I
<b>Location</b>	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**

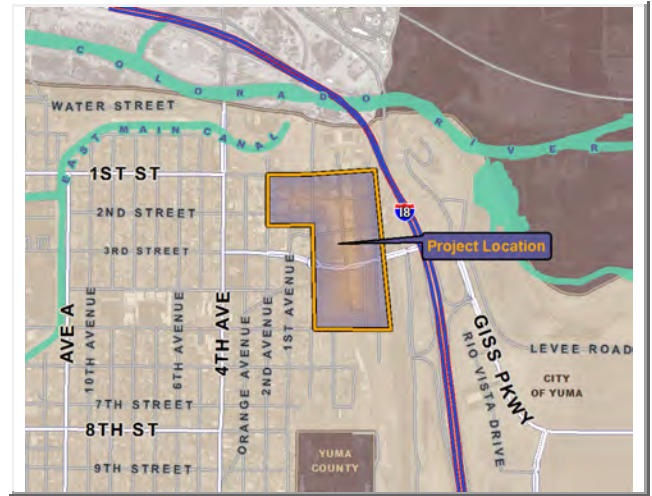
Lower Bench improvements will include two beaches, bank line restoration, trails, interpretive signs and pond restoration.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	5,000	5,000				10,000
Construction	45,000	45,000				90,000
<b>Total</b>	<b>50,000</b>	<b>50,000</b>				<b>100,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Two Percent Tax	50,000	50,000				100,000
<b>Total</b>	<b>50,000</b>	<b>50,000</b>				<b>100,000</b>

**Downtown Revitalization**

**Total Cost** \$125,000  
**Type** Improvement  
**Progress** Planning  
**Category** Redevelopment  
**Priority** Type II  
**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 Heritage Area 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.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	50,000					50,000
Inspection	75,000					75,000
<b>Total</b>	<b>125,000</b>					<b>125,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Grant	75,000					75,000
Two Percent Tax	50,000					50,000
<b>Total</b>	<b>125,000</b>					<b>125,000</b>

**Yuma Multimodal Center**

<b>Total Cost</b>	\$9,000,000
<b>Type</b>	Building
<b>Progress</b>	Planning
<b>Category</b>	Buildings
<b>Priority</b>	Type II
<b>Location</b>	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 with federal 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.

**Description**

The environmental analysis and remediation is underway. Once remediation is complete, determining the full cost of restoration will be plausible as rehabilitation costs are projected to be considerable. Consequently, several grant sources are being pursued, including Federal Transit Administration and Community Development Block Grant (C.D.B.G.) funds.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design	1,700,000					1,700,000
Construction	6,900,000					6,900,000
Inspection	400,000					400,000
<b>Total</b>	<b>9,000,000</b>					<b>9,000,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Other - Proposed	8,320,000					8,320,000
Two Percent Tax	680,000					680,000
<b>Total</b>	<b>9,000,000</b>					<b>9,000,000</b>



**Fire Station 4 Remodel**

<b>Total Cost</b>	\$1,000,000
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Buildings
<b>Priority</b>	Type I
<b>Location</b>	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 (O.S.H.A.) and National Fire Protection Association (N.F.P.A.) 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.

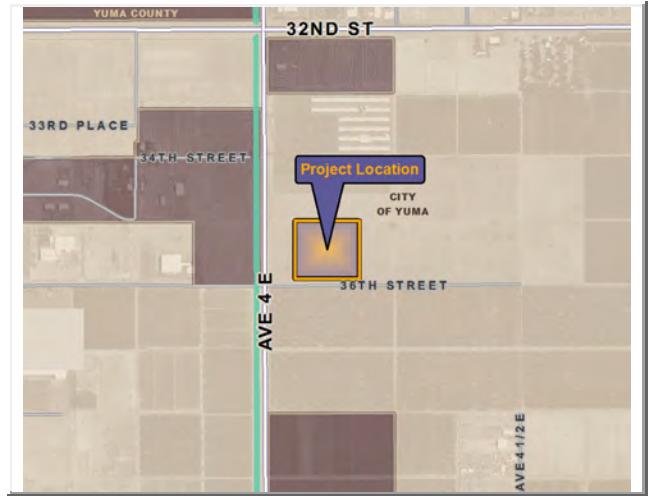
<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design					100,000	100,000
Construction					860,000	860,000
Inspection					40,000	40,000
<b>Total</b>					<b>1,000,000</b>	<b>1,000,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Public Safety Tax Fund					1,000,000	1,000,000
<b>Total</b>					<b>1,000,000</b>	<b>1,000,000</b>

**Police Storage Facility**

<b>Total Cost</b>	\$2,000,000
<b>Type</b>	Building
<b>Progress</b>	Planning
<b>Category</b>	Buildings
<b>Priority</b>	Type II
<b>Location</b>	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.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design					100,000	100,000
Construction					1,800,000	1,800,000
Inspection					100,000	100,000
<b>Total</b>					<b>2,000,000</b>	<b>2,000,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Public Safety Tax Fund					2,000,000	2,000,000
<b>Total</b>					<b>2,000,000</b>	<b>2,000,000</b>

**Arena Drive Storm Drain**

**Total Cost** \$165,000  
**Type** Improvement  
**Progress** Design Complete  
**Category** Storm Sewer/Drainage  
**Priority** Type III  
**Location** Arena Drive, 9th St to 10th St, East to 10th St and 13th Ave



**Justification**

Storm water from 13th Avenue is to be channeled in 10th Street, 9th Place and Arena Drive then conveyed by surface flow to the existing inlets at 9th Street and Arena Drive. However, moderately small storms create overland flows that quickly jump the curbs and create erosion problems across private property.

**Description**

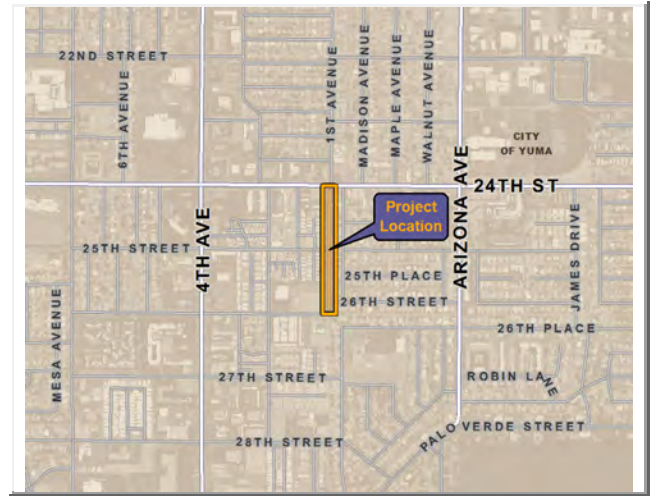
Extend existing storm sewer from Arena Drive and 9th Street south along Arena Drive to 10th Street then east to the intersection of 10th Street and 13th Avenue. Include inlet structures.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction			165,000			165,000
<b>Total</b>			<b>165,000</b>			<b>165,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Other - Proposed			165,000			165,000
<b>Total</b>			<b>165,000</b>			<b>165,000</b>

**1st Avenue - 24th to 26th Street Paving**

<b>Total Cost</b>	\$97,000
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Street Paving
<b>Priority</b>	Type I
<b>Location</b>	1st Avenue - 24th to 26th Street



**Justification**

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

**Description**

Asphalt pavement reconstruction on 1st Avenue from 24th to 26th Street.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction		89,000				89,000
Inspection		8,000				8,000
<b>Total</b>		<b>97,000</b>				<b>97,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax		97,000				97,000
<b>Total</b>		<b>97,000</b>				<b>97,000</b>

**22nd Street - Avenue A to 4th Avenue Paving**

**Total Cost** \$789,000  
**Type** Improvement  
**Progress** Planning  
**Category** Street Paving  
**Priority** Type I  
**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.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design		30,000				30,000
Construction		731,000				731,000
Inspection		28,000				28,000
<b>Total</b>		<b>789,000</b>				<b>789,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Bond-Water		340,000				340,000
City Road Tax		449,000				449,000
<b>Total</b>		<b>789,000</b>				<b>789,000</b>

**32nd Street & Avenue B Intersection Improvements**

<b>Total Cost</b>	\$800,000
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Street Reconstruction
<b>Priority</b>	Type I
<b>Location</b>	32nd Street - Avenue A to Avenue B



**Justification**

Left turns at this intersection have become difficult due to increases in traffic volume as reflected in the 2012 Average Daily Traffic counts.

**Description**

Expand intersection at 32nd Street and Avenue B to accommodate future commercial growth in the area in accordance with the Major Roadways Plan of 2005.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design		70,000				70,000
Construction		330,000	350,000			680,000
Inspection			50,000			50,000
<b>Total</b>		<b>400,000</b>	<b>400,000</b>			<b>800,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax		400,000	400,000			800,000
<b>Total</b>		<b>400,000</b>	<b>400,000</b>			<b>800,000</b>

**Arizona Ave - Palo Verde to Country Club Dr Paving**

<b>Total Cost</b>	\$315,000
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Street Paving
<b>Priority</b>	Type I
<b>Location</b>	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.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction		305,000				305,000
Inspection		10,000				10,000
<b>Total</b>		<b>315,000</b>				<b>315,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax		315,000				315,000
<b>Total</b>		<b>315,000</b>				<b>315,000</b>

**14th Street - 1st Avenue to 4th Avenue Paving**

**Total Cost** \$213,500  
**Type** Improvement  
**Progress** Planning  
**Category** Street Reconstruction  
**Priority** Type I  
**Location** 14th Street - 1st Avenue to 4th Avenue



**Justification**

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

**Description**

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

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction			205,000			205,000
Inspection			8,500			8,500
<b>Total</b>			<b>213,500</b>			<b>213,500</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax			213,500			213,500
<b>Total</b>			<b>213,500</b>			<b>213,500</b>



**1st Avenue - 12th Street to 16th Street Paving**

<b>Total Cost</b>	\$1,420,000
<b>Type</b>	Improvement
<b>Progress</b>	Design Complete
<b>Category</b>	Street Paving
<b>Priority</b>	Type I
<b>Location</b>	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 Street to 16th Street. Replace 2,700 linear 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 Street to 16th Street, then east to sewer manhole #2218, between Madison Avenue and Maple Avenue.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Land Acquisition/Right-of-Way				45,000		45,000
Construction				1,324,350		1,324,350
Inspection				50,650		50,650
<b>Total</b>				<b>1,420,000</b>		<b>1,420,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax				320,000		320,000
Wastewater Utility Fund				500,000		500,000
Water Utility Fund				600,000		600,000
<b>Total</b>				<b>1,420,000</b>		<b>1,420,000</b>

**Gila Street - 1st Street to 3rd Street Paving**

<b>Total Cost</b>	\$200,800
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Street Paving
<b>Priority</b>	Type I
<b>Location</b>	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.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction			182,600			182,600
Inspection			18,200			18,200
<b>Total</b>			<b>200,800</b>			<b>200,800</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax			200,800			200,800
<b>Total</b>			<b>200,800</b>			<b>200,800</b>

**1st Avenue - Orange Avenue to 9th Street Paving**

<b>Total Cost</b>	\$490,000
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Street Reconstruction
<b>Priority</b>	Type I
<b>Location</b>	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 and Orange Avenue to 9th Street.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design				40,000		40,000
Construction				432,000		432,000
Inspection				18,000		18,000
<b>Total</b>				<b>490,000</b>		<b>490,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax				490,000		490,000
<b>Total</b>				<b>490,000</b>		<b>490,000</b>

**3rd Avenue - Orange Avenue to 14th Street Paving**

<b>Total Cost</b>	\$706,000
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Street Paving
<b>Priority</b>	Type I
<b>Location</b>	3rd Avenue - Orange Avenue to 14th Street



**Justification**

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

**Description**

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

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction				662,000		662,000
Inspection				44,000		44,000
<b>Total</b>				<b>706,000</b>		<b>706,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax				706,000		706,000
<b>Total</b>				<b>706,000</b>		<b>706,000</b>

**16th Street and Arizona Avenue Improvements**

<b>Total Cost</b>	\$60,000
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Street Improvement
<b>Priority</b>	Type II
<b>Location</b>	16th Street and Arizona Avenue Intersection



**Justification**

Install pedestrian refuge areas in order to improve pedestrian traffic.

**Description**

Design and construct additional pedestrian refuge areas and pedestrian signals, push buttons and controls.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design				6,000		6,000
Construction				50,000		50,000
Inspection				4,000		4,000
<b>Total</b>				<b>60,000</b>		<b>60,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax				60,000		60,000
<b>Total</b>				<b>60,000</b>		<b>60,000</b>

**16th Street Turn Lane - Maple to 1st Avenue**

<b>Total Cost</b>	\$120,000
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Street Improvement
<b>Priority</b>	Type II
<b>Location</b>	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.

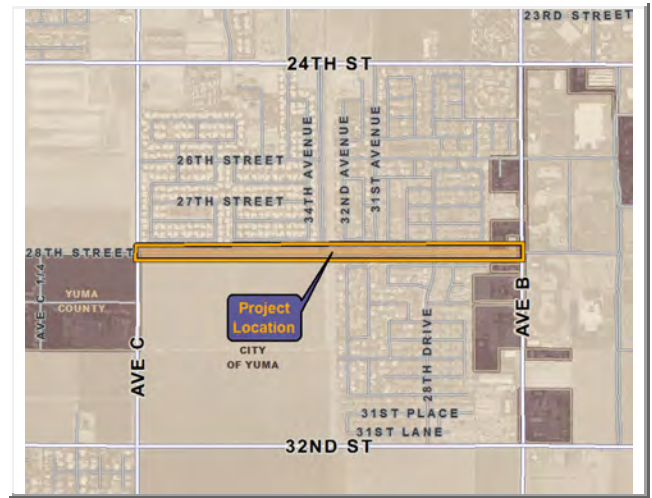
<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design				12,000		12,000
Construction				100,000		100,000
Inspection				8,000		8,000
<b>Total</b>				<b>120,000</b>		<b>120,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax				120,000		120,000
<b>Total</b>				<b>120,000</b>		<b>120,000</b>

**28th Street - Avenue B to Avenue C Improvements**

<b>Total Cost</b>	\$1,580,000
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Street Construction
<b>Priority</b>	Type II
<b>Location</b>	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.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
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
<b>Total</b>				<b>1,580,000</b>		<b>1,580,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax				202,000		202,000
Development Fee 328				1,378,000		1,378,000
<b>Total</b>				<b>1,580,000</b>		<b>1,580,000</b>

**32nd Street & Pacific Avenue Improvements**

<b>Total Cost</b>	\$930,000
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Street Reconstruction
<b>Priority</b>	Type I
<b>Location</b>	32nd Street & Pacific Avenue



**Justification**

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

**Description**

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

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design					30,000	30,000
Construction					880,000	880,000
Inspection					20,000	20,000
<b>Total</b>					<b>930,000</b>	<b>930,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax					838,208	838,208
Development Fee 328					91,792	91,792
<b>Total</b>					<b>930,000</b>	<b>930,000</b>



**18th Street and Avenue C Traffic Signal**

<b>Total Cost</b>	\$371,700
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Street Improvement
<b>Priority</b>	Type II
<b>Location</b>	18th Street and Avenue C Intersection



**Justification**

Traffic restrictions at 20th Street shifts additional traffic onto 18th Street causing congestion at peak hours.

**Description**

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

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design					37,200	37,200
Construction					310,500	310,500
Inspection					24,000	24,000
<b>Total</b>					<b>371,700</b>	<b>371,700</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax					195,040	195,040
Development Fee 328					51,660	51,660
Other - Proposed					125,000	125,000
<b>Total</b>					<b>371,700</b>	<b>371,700</b>

**24th Street and 1st Avenue Turn Lane**

<b>Total Cost</b>	\$728,000
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Street Improvement
<b>Priority</b>	Type II
<b>Location</b>	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**

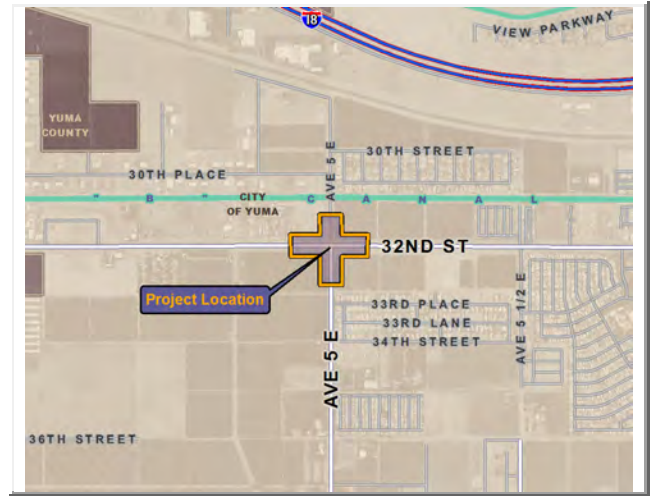
Design and construct a westbound right-turn lane on 24th Street approaching 1st Avenue and replace traffic signal mast arm and controller.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
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
<b>Total</b>					<b>728,000</b>	<b>728,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax					532,961	532,961
Development Fee 328					195,039	195,039
<b>Total</b>					<b>728,000</b>	<b>728,000</b>

**32nd Street and Avenue 5E Turn Lanes**

<b>Total Cost</b>	\$400,200
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Street Improvement
<b>Priority</b>	Type II
<b>Location</b>	32nd Street and Avenue 5E Intersection



**Justification**

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

**Description**

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

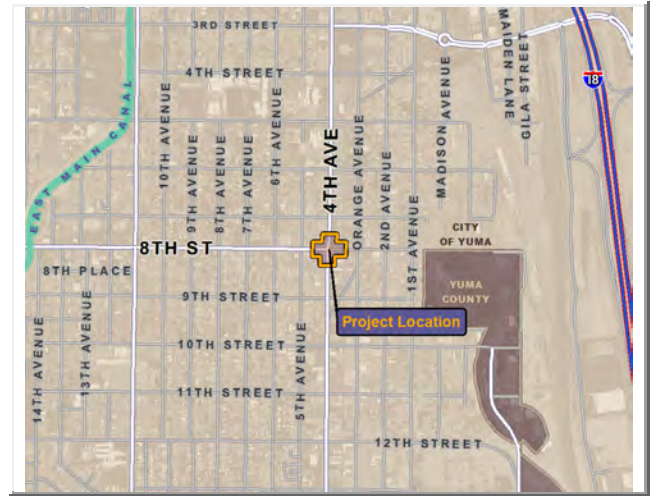
<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design					40,000	40,000
Construction					333,500	333,500
Inspection					26,700	26,700
<b>Total</b>					<b>400,200</b>	<b>400,200</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax					331,359	331,359
Development Fee 328					68,841	68,841
<b>Total</b>					<b>400,200</b>	<b>400,200</b>

**4th Avenue and 8th Street Turn Lane**

<b>Total Cost</b>	\$351,000
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Street Improvement
<b>Priority</b>	Type II
<b>Location</b>	4th Avenue and 8th Street Intersection



**Justification**

Southbound traffic at the intersection of 4th Avenue and 8th Street is experiencing congestion from traffic turning westbound onto 8th Street. A southbound right-turn lane on 4th Avenue would mitigate congestion at this intersection and improve traffic flow on 4th Avenue.

**Description**

Design and construct a right-turn lane on southbound 4th Avenue approaching 8th Street and replace traffic signal mast arm and controller.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design					11,000	11,000
Land Acquisition/Right-of-Way					200,300	200,300
Construction					133,000	133,000
Inspection					6,700	6,700
<b>Total</b>					<b>351,000</b>	<b>351,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax					259,208	259,208
Development Fee 328					91,792	91,792
<b>Total</b>					<b>351,000</b>	<b>351,000</b>

**Avenue B and 16th Street Turn Lane**

<b>Total Cost</b>	\$860,000
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Street Improvement
<b>Priority</b>	Type II
<b>Location</b>	18th Avenue and 24th Street Intersection



**Justification**

Northbound traffic at the intersection of Avenue B and 16th Street is experiencing congestion from traffic turning eastbound onto 16th Street. A northbound right-turn lane on Avenue B would mitigate congestion at this intersection and improve traffic flow on Avenue B.

**Description**

Design and construct a northbound right-turn lane on Avenue B approaching 16th Street and replace traffic signal mast arm and controller.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design					23,000	23,000
Land Acquisition/Right-of-Way					680,000	680,000
Construction					147,000	147,000
Inspection					10,000	10,000
<b>Total</b>					<b>860,000</b>	<b>860,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
City Road Tax					618,320	618,320
Development Fee 328					241,680	241,680
<b>Total</b>					<b>860,000</b>	<b>860,000</b>

**Desert Dunes Improvement Project**

<b>Total Cost</b>	\$460,000
<b>Type</b>	Construction
<b>Progress</b>	Planning
<b>Category</b>	Wastewater
<b>Priority</b>	Type I
<b>Location</b>	Desert Dunes Water Reclamation Facility



**Justification**

The existing skimmers on the two final clarifiers have corroded, are no longer functional and must be replaced. Staff currently has no mechanism to effectively remove/replace the large in-line grinders within the headwork building due to the lack of an overhead hoist and lifting system. Also, in order to verify the plant's effluent meets Arizona Department of Environmental Quality (ADEQ) permit limits, a 3rd monitoring well must be installed.

**Description**

Replace final clarifier skimmers, install hoist/crane lifting system inside headwork building. Install monitoring well No. 3.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction		460,000				460,000
<b>Total</b>		<b>460,000</b>				<b>460,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Wastewater Utility Fund		460,000				460,000
<b>Total</b>		<b>460,000</b>				<b>460,000</b>

**Figueroa WPCF Power Improvements**

<b>Total Cost</b>	\$1,000,000
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Wastewater
<b>Priority</b>	Type I
<b>Location</b>	Figueroa Water Pollution Control Facility



**Justification**

Upgrading the existing generators will supply more adequate power to the facility as State and Federal environmental regulations require auxiliary power. Other funding sources are actively being pursued. This project will not proceed in the scheduled year unless funding is established.

**Description**

Evaluate critical auxiliary power requirements at the Figueroa Water Pollution Control Facility. Augment/expand/upgrade existing auxiliary power capacity to meet plant power needs.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design		35,000				35,000
Construction		965,000				965,000
<b>Total</b>		<b>1,000,000</b>				<b>1,000,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Other - Proposed		1,000,000				1,000,000
<b>Total</b>		<b>1,000,000</b>				<b>1,000,000</b>

**Desert Dunes WRF UV Disinfection System Upgrades**

<b>Total Cost</b>	\$2,600,000
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Wastewater
<b>Priority</b>	Type III
<b>Location</b>	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.

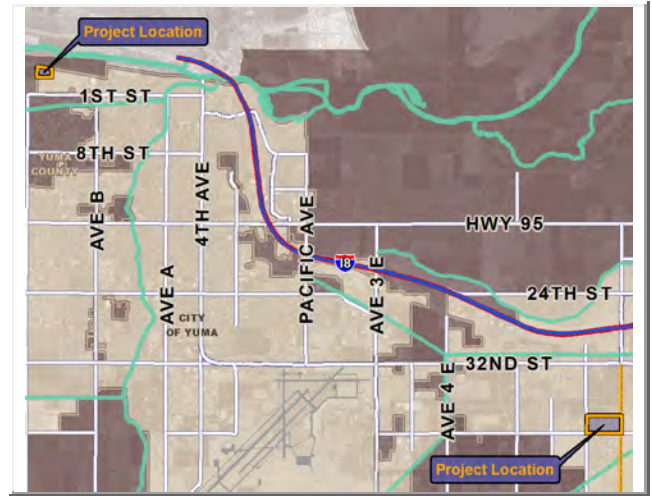
<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design		600,000				600,000
Construction		2,000,000				2,000,000
<b>Total</b>		<b>2,600,000</b>				<b>2,600,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Other - Proposed		2,600,000				2,600,000
<b>Total</b>		<b>2,600,000</b>				<b>2,600,000</b>



**Wastewater Vac Truck Dump Station Upgrades**

<b>Total Cost</b>	\$1,000,000
<b>Type</b>	Equipment
<b>Progress</b>	Planning
<b>Category</b>	Wastewater
<b>Priority</b>	Type IV
<b>Location</b>	Figueroa Water Pollution Control Facility and Desert Dunes Water Reclamation Facility



**Justification**

Improve existing or purchase two new vacuum truck disposal stations in order to improve operations and reduce residential odor complaints adjacent to dump stations.

**Description**

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

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design		50,000			50,000	100,000
Construction		440,000			440,000	880,000
Inspection		10,000			10,000	20,000
<b>Total</b>		<b>500,000</b>			<b>500,000</b>	<b>1,000,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Wastewater Utility Fund		500,000			500,000	1,000,000
<b>Total</b>		<b>500,000</b>			<b>500,000</b>	<b>1,000,000</b>

**Desert Dunes WRF Reclaimed Water System Mods**

<b>Total Cost</b>	\$1,200,000
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Wastewater
<b>Priority</b>	Type II
<b>Location</b>	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. This project will not proceed in the scheduled year unless funding is established.

**Description**

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

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design			200,000			200,000
Construction			960,000			960,000
Inspection			40,000			40,000
<b>Total</b>			<b>1,200,000</b>			<b>1,200,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Other - Proposed			1,020,000			1,020,000
Wastewater Utility Fund			180,000			180,000
<b>Total</b>			<b>1,200,000</b>			<b>1,200,000</b>

**Figueroa WPCF AZPDES Renewal**

<b>Total Cost</b>	\$200,000
<b>Type</b>	Maintenance
<b>Progress</b>	Cascading Project
<b>Category</b>	Wastewater
<b>Priority</b>	Type II
<b>Location</b>	Figueroa Water Pollution Control Facility



**Justification**

On Dec. 5, 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 Figueroa Water Pollution Control Facility will not be permitted to discharge its treated effluent to the Colorado River.

**Description**

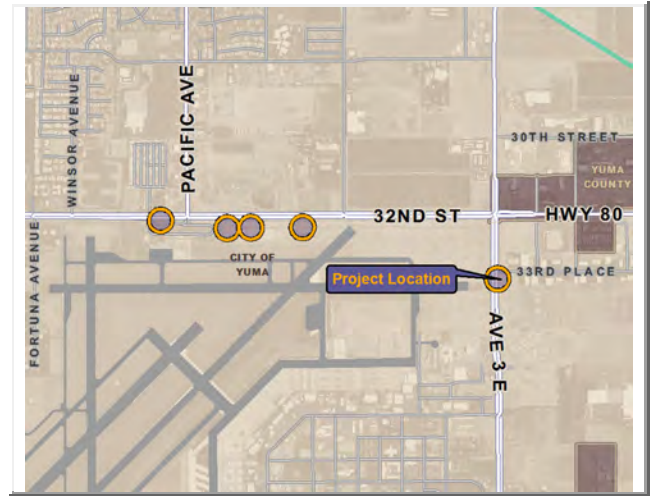
The project includes testing, modeling and document submittal to the AZPDES Permit Program for permit renewal.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design			200,000			200,000
<b>Total</b>			<b>200,000</b>			<b>200,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Wastewater Utility Fund			200,000			200,000
<b>Total</b>			<b>200,000</b>			<b>200,000</b>

**Manhole 20, 54, 56, 58, 80 Rehabilitation**

**Total Cost** \$375,000  
**Type** Improvement  
**Progress** Planning  
**Category** Wastewater  
**Priority** Type II  
**Location** Citywide



**Justification**

Hydrogen sulfide is corrosive to concrete and cementitious materials and has damaged manholes. Sewer manholes in the Yuma Valley Interceptor Sewer line have been inspected and findings support the rehabilitations as scheduled.

**Description**

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

MH #20 - Avenue 3E & south of 33rd Place, MH #58, #54, #56 - MCAS  
 MH #80 - South side of 32nd Street & Yuma International Airport

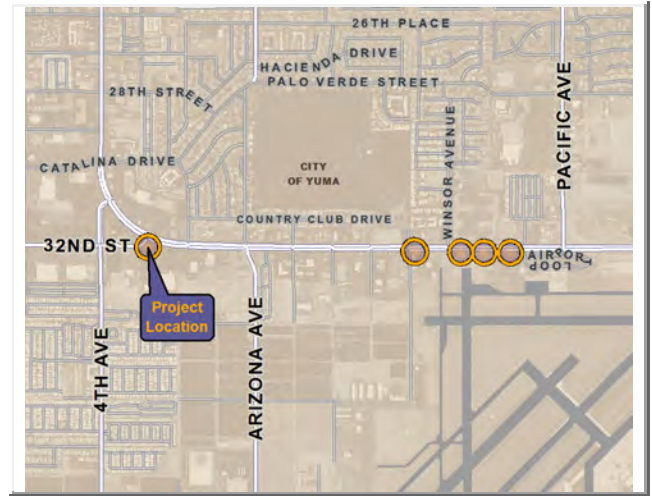
<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design			40,000			40,000
Construction			300,000			300,000
Inspection			35,000			35,000
<b>Total</b>			<b>375,000</b>			<b>375,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Wastewater Utility Fund			375,000			375,000
<b>Total</b>			<b>375,000</b>			<b>375,000</b>

**Manhole 69, 70, 79, 108, 109, 258 Rehabilitation**

<b>Total Cost</b>	\$325,000
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Wastewater
<b>Priority</b>	Type II
<b>Location</b>	Citywide



**Justification**

Hydrogen sulfide is corrosive to concrete and cementitious materials and has damaged manholes. Sewer manholes in the Yuma Valley Interceptor Sewer line have been inspected and findings support the rehabilitations as scheduled.

**Description**

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

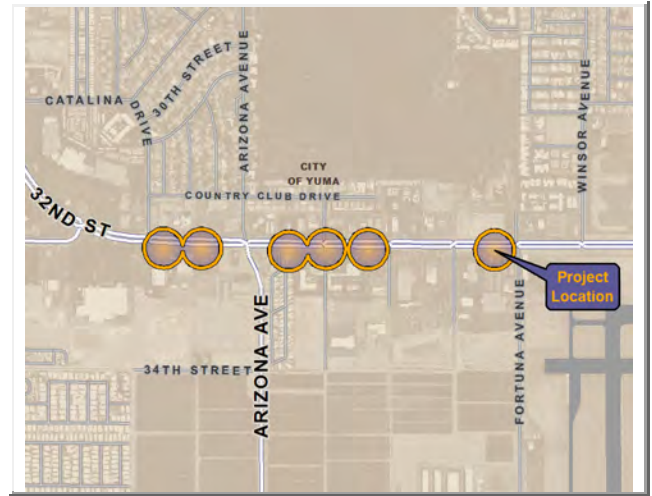
- MH #69, #70, #79 - South side of 32nd Street at Yuma International Airport,
- MH #108, #109 - South side of 32nd Street & Fortuna Avenue,
- MH #258 - South side of 32nd Street East of 4th Avenue

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design			40,000			40,000
Construction			250,000			250,000
Inspection			35,000			35,000
<b>Total</b>			<b>325,000</b>			<b>325,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Wastewater Utility Fund			325,000			325,000
<b>Total</b>			<b>325,000</b>			<b>325,000</b>

**Manhole 96, 123, 190, 188, 197, 143 Rehabilitation**

**Total Cost** \$325,000  
**Type** Improvement  
**Progress** Planning  
**Category** Wastewater  
**Priority** Type II  
**Location** Citywide



**Justification**

Hydrogen sulfide is corrosive to concrete and cementitious materials and has damaged manholes. Sewer manholes in the Yuma Valley Interceptor Sewer line have been inspected and findings support replacing as scheduled.

**Description**

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

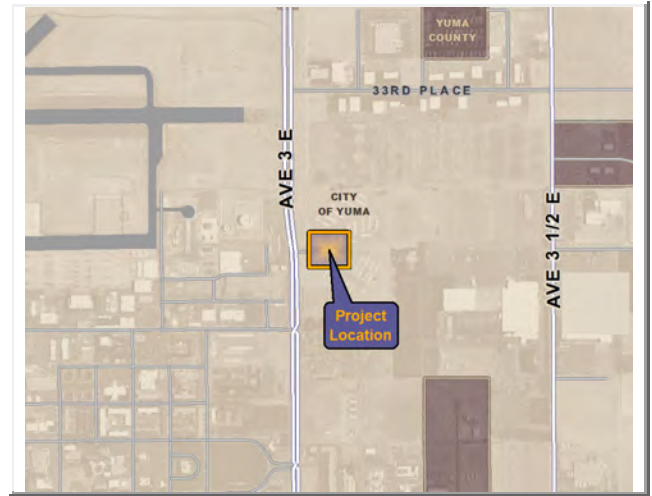
- MH # 096 - South side of 32nd Street West of Crest Drive
- MH # 123 - South side of 32nd Street West of Fortuna Avenue
- MH # 143 - South side of 32nd Street West of Arizona Avenue
- MH # 188 - South side of 32nd Street West of Chevy Lane
- MH # 190 - 32nd Street & Chevy Lane
- MH # 197 - South side of 32nd Street West of Arizona Avenue

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design			40,000			40,000
Construction			250,000			250,000
Inspection			35,000			35,000
<b>Total</b>			<b>325,000</b>			<b>325,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Wastewater Utility Fund			325,000			325,000
<b>Total</b>			<b>325,000</b>			<b>325,000</b>

**Ferrous Chloride Injection System Upgrade**

<b>Total Cost</b>	\$1,500,000
<b>Type</b>	Improvement
<b>Progress</b>	Design Complete
<b>Category</b>	Wastewater
<b>Priority</b>	Type I
<b>Location</b>	Avenue 3E and 36th Street



**Justification**

Ferrous chloride tanks and pumping systems are currently located inside of building at the Avenue 3E and 36th Street lift station. This causes a very corrosive atmosphere which is degrading to all metal equipment located inside. Relocating the tanks and pumping systems outside will save money by not having to replace equipment inside of the building prematurely.

**Description**

Upgrade ferrous chloride system by moving tanks and pumping system outside of building.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction				1,425,000		1,425,000
Inspection				75,000		75,000
<b>Total</b>				<b>1,500,000</b>		<b>1,500,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Wastewater Utility Fund				1,500,000		1,500,000
<b>Total</b>				<b>1,500,000</b>		<b>1,500,000</b>

**Figueroa WPCF Corrosion Control**

<b>Total Cost</b>	\$1,300,000
<b>Type</b>	Improvement
<b>Progress</b>	Planning
<b>Category</b>	Wastewater
<b>Priority</b>	Type I
<b>Location</b>	Figueroa Avenue Water Pollution Control Facility



**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 Water Pollution Control Facility is experiencing accelerated deterioration due to corrosion. Other funding sources will be pursued. This project will not proceed in the scheduled year unless funding is established.

**Description**

This project will consist of the research, design, and construction of a corrosion control system for the Figueroa Avenue Water Pollution Control Facility. The project implementation is proposed in three parts.

- Phase I - Corrosion Study
- Phase II - Design
- Phase III - Construction/Inspection

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction					1,300,000	1,300,000
<b>Total</b>					<b>1,300,000</b>	<b>1,300,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Other - Proposed					1,200,000	1,200,000
Wastewater Utility Fund					100,000	100,000
<b>Total</b>					<b>1,300,000</b>	<b>1,300,000</b>



**Main Street WTP Filter System Upgrade**

<b>Total Cost</b>	\$3,350,000
<b>Type</b>	Improvement
<b>Progress</b>	-
<b>Category</b>	Water
<b>Priority</b>	Type II
<b>Location</b>	Main Street Water Treatment Plant



**Justification**

Existing filter and backwash system is over 20 years old. Failure will occur if system is not upgraded resulting in lengthy service interruption for the majority of water customers. This project is currently an unfunded requirement and will not go forward in the scheduled year unless funding is established. Phase III of this project is currently an unfunded requirement and will not go forward in the scheduled year unless funding is established.

**Description**

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

- Phase I - FY2013 Replace filter gallery valves & repair piping (Complete)
- Phase II - FY2016 Refurbish/Repair under drain and replace media in filters 1-4
- Phase III - FY2019 Refurbish/Repair under drain and replace media in filters 5-8
- Phase IV - TBD Refurbish/Repair under drain and replace media in filters 9-12

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Construction		1,850,000			1,500,000	3,350,000
<b>Total</b>		<b>1,850,000</b>			<b>1,500,000</b>	<b>3,350,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Water Utility Fund		1,850,000			1,500,000	3,350,000
<b>Total</b>		<b>1,850,000</b>			<b>1,500,000</b>	<b>3,350,000</b>

*Denote project is unfunded*

**Main Street WTP Chlorine System Modification**

**Total Cost** \$780,000  
**Type** Improvement  
**Progress** Planning  
**Category** Water  
**Priority** Type I  
**Location** Main Street Water Treatment Plant



**Justification**

Use of gaseous chlorine at this facility requires storage of 8 to 10 1-ton gas cylinders on site. Additionally, delivery of these cylinders requires trucking 1-ton cylinders through populated parts of the City. This places residents of the north end at risk of injury or fatality should an uncontrolled leak occur. Changing disinfection to sodium hypochlorite eliminates this risk and reduces other regulatory requirements associated with the use of these quantities of gaseous chloride. This project is currently an unfunded requirement and will not go forward on the scheduled year unless funding is established.

**Description**

Modification of the chlorine disinfection system at the Main Street Water Treatment Plant to replace gaseous chlorine system with a bulk Sodium Hypochlorite system.

<b>Expenditures</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Planning/Design			100,000			100,000
Construction			650,000			650,000
Inspection			30,000			30,000
<b>Total</b>			<b>780,000</b>			<b>780,000</b>

<b>Funding Sources</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total</b>
Water Utility Fund			780,000			780,000
<b>Total</b>			<b>780,000</b>			<b>780,000</b>

*Denote project is unfunded*

# FISCAL YEARS 2020 THROUGH 2024

## Capital Improvement Program

### City of Yuma, Arizona

#### Project Name

#### Department

#### 2020

47th Avenue Drainage Improvements	Stormwater Control
28th Street - 45th Ave to Avenue C	Transportation
4th Avenue - 32nd Street to 40th Street	Transportation
1st to Colorado Street-Avenue A to 23rd Ave Paving	Transportation
8th Street and Pacific Avenue Improvements	Transportation
Arizona Avenue - 32nd to 40th Street	Transportation
Avenue A - 32nd Street to 36th Street	Transportation
28th Street - Avenue C to Avenue D	Transportation
24th Street - North Frontage Road Widening	Transportation
Avenue 7E - Telegraph Street to U.S. Highway 95	Transportation
3rd Street - 4th Avenue to Avenue A	Transportation
3rd Street - Magnolia Avenue to Avenue B	Transportation
24th Street Right-Turn Lanes at Arizona Avenue	Transportation
16th Street and Pacific Avenue Turn Lane	Transportation
4th Avenue and Giss Parkway Turn Lane	Transportation
18th Avenue and 24th Street Realignment	Transportation
20th Street and 45th Avenue Signal	Transportation
24th Street and Pacific Avenue Turn Lane	Transportation
20th Street and Avenue C Improvements	Transportation
24th Street and Kennedy Lane Turn Lane	Transportation
32nd Street and Arizona Avenue Turn Lane	Transportation
Figueroa WPCF Co-Gen Project	Wastewater Utility
Figueroa WPCF Primary Clarifier Improvements	Wastewater Utility
Figueroa WPCF Study/Capacity Improvements	Wastewater Utility
Desert Dunes WRF Solids Handling Upgrades	Wastewater Utility
Avenue B & 16th Street Lift Station & Force main	Wastewater Utility
Avenue 4E and 36th Street Water Main Intersection	Water Utility
Agua Viva Well No. 1 Replacement	Water Utility
Avenue C Waterline - 16th Street to 18th Street	Water Utility
Strategic Groundwater Wells and Filtration System	Water Utility
TTHM Air Stripping Tank System	Water Utility
Chlorine Booster Pump Stations	Water Utility

#### 2021

Fire Station 7(D) - Avenue 8½E & 34th Street	Public Safety
Storm Water Drainage - Del Oro Estates	Stormwater Control
56th Street - ASH to Ave 13E	Transportation
Septic Waste Receiving Station	Wastewater Utility
36th Street Waterline - 4th Avenue to 8th Avenue	Water Utility
Agua Viva Well No. 1 Replacement	Water Utility
Loma Vista Subdivision Water Service Line Repl.	Water Utility
Chlorine Booster Pump Stations	Water Utility

#### 2022

TRT Building Collapse/Confined Space Prop	Public Safety
PS Training Facility Vehicle Shade Cover	Public Safety
16th Street - 45th Avenue to Avenue D	Transportation
40th Street - Arizona Avenue to Avenue A	Transportation

**Project Name****Department**

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Del Oro Reconstruction	Transportation
Strategic Groundwater Wells and Filtration System	Water Utility

**2023**

PSTF Police Tactical Training Village	Public Safety
West Mesa Drainage Improvements	Stormwater Control
Augusta Drive - Waterline Replacement	Water Utility
Strategic Groundwater Wells and Filtration System	Water Utility

**2024**

Yuma East Athletic Park	Parks and Recreation
West Wetlands Loop Road & Utility Build-Out	Parks and Recreation
Yuma Civic Center Parking Lot Paving	Parks and Recreation
PSTF Educational Building	Public Safety
Fire Station 8 (A) - 36th Street & Avenue 4E	Public Safety
Figueroa WPCF Administrative Building Expansion	Wastewater Utility
Desert Dunes Water Reclamation Facility Expansion	Wastewater Utility
Main Street WTP Backwash Recovery Clarifier	Water Utility
30th Street Water Main - Avenue 6¼E to Avenue 7E	Water Utility

# POTENTIAL INFRASTRUCTURE PROJECTS (P.I.P)

## Capital Improvement Program

### City of Yuma, Arizona

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#### General Government

<u>Status</u>	<u>Project Name</u>
P.I.P.	City Hall Modification
P.I.P.	East Mesa Facilities
P.I.P.	Right-of-Way Improvements-Target Area 1

#### Information Technology

<u>Status</u>	<u>Project Name</u>
P.I.P.	Photogrammetric Services

#### Parks and Recreation

<u>Status</u>	<u>Project Name</u>
P.I.P.	Smucker Park Improvements
P.I.P.	East Mesa Area Park
P.I.P.	Performing Arts Center
P.I.P.	Kennedy/McGraw Multi-Sports Complex
P.I.P.	Readiness Center Entry Way Beautification
P.I.P.	Lighting of A.W.C. Soccer Fields
P.I.P.	Historic Yuma Theatre Phase II Plans
P.I.P.	Parks Maintenance Building Sewer Improvements
P.I.P.	Sunrise Optimist Park Extension
P.I.P.	32nd Street Multi Use Complex
P.I.P.	Central Drain Linear Park - Avenue C to C $\frac{3}{4}$
P.I.P.	Avenue C $\frac{3}{4}$ Alignment Park - 16th to 22nd Street
P.I.P.	45th Avenue & Central Drain Stub No. 1 Linear Park
P.I.P.	Black Hill Specialized Facility
P.I.P.	South Valley Recreation Center
P.I.P.	Central Canal Park - Ave. B to E. Main Canal
P.I.P.	Central Canal Linear Park - Ave B to Ave C
P.I.P.	Central Canal Linear Park - Ave. C to Ave. D
P.I.P.	Thacker Lateral Park - 24th to 32nd St.
P.I.P.	33rd Drive Linear Park - 32nd to 36th Street
P.I.P.	45th Avenue & 28th Street Linear Park
P.I.P.	Civic Center Roof Replacement
P.I.P.	Deyo Complex Adaptive Re-use
P.I.P.	Yuma Civic Center - Main Hall Bleacher Upgrade

#### Public Safety

<u>Status</u>	<u>Project Name</u>
P.I.P.	Fire Station 9 - Avenue 6E & 36th Street
P.I.P.	Land Acquisition for Public Safety Projects
P.I.P.	Municipal Court Room A & B Remodel
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

#### Solid Waste

<u>Status</u>	<u>Project Name</u>
P.I.P.	Refuse Station Feas. Study and Construct
P.I.P.	City Landfill Contingency

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**Stormwater Control**

<b>Status</b>	<b>Project Name</b>
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**

<b>Status</b>	<b>Project Name</b>
P.I.P.	Yuma Expressway
P.I.P.	1st Street - Gila Street to Avenue C
P.I.P.	36th Street - 4th Avenue to 8th Avenue
P.I.P.	Subdivisions Street Resurfacing
P.I.P.	Avenue A - 8th Street to 16th Street
P.I.P.	Giss Parkway Extension - I-8 to 16th Street
P.I.P.	24th Street - Avenue C to Avenue D
P.I.P.	32nd Street - Avenue B to Avenue C
P.I.P.	40th Street - Avenue A to Avenue B
P.I.P.	32nd Street - Avenue C to Avenue D
P.I.P.	33rd Drive (Ave. B½) - 28th Street to 32nd Street
P.I.P.	Avenue C - 24th Street to 32nd Street
P.I.P.	Avenue A - 40th Street to Airport Loop Road
P.I.P.	Avenue C - 32nd Street to 40th Street
P.I.P.	Avenue B - 24th Street to 32nd Street
P.I.P.	33rd Drive - 32nd Street to 40th Street
P.I.P.	12th Street - Avenue A to Avenue B
P.I.P.	Avenue 3½E - Avenue 3E to 56th Street
P.I.P.	Avenue 6E Widening - 32nd Street to 40th Street
P.I.P.	32nd Street Widening - Avenue 3E to Avenue 5E
P.I.P.	44th Street - Ave 3½E to 4½E & Ave 7E to 8½E
P.I.P.	36th Street - Ave 3½E to 6E & Ave 7E to 10E
P.I.P.	40th Street - Ave 3½E to Ave 10E
P.I.P.	Avenue 8½E - 32nd St Expressway to 48th St
P.I.P.	Avenue 8E - 32nd St Expressway to 56th St
P.I.P.	16th Street Expressway - Avenue 2E to Avenue 10E
P.I.P.	Avenue 7E - 32nd St Expressway to 56th Street
P.I.P.	Avenue 10E - 16th Street Expressway to 56th Street
P.I.P.	Avenue 4½E - 32nd St Expressway to 44th Street
P.I.P.	Avenue 4E - 28th Street to Yuma Expressway
P.I.P.	Avenue 5½E - 32nd Street to 40th Street
P.I.P.	Avenue 5E - 16th St Expressway to Yuma Expressway
P.I.P.	Avenue 7½E - 32nd St Expressway to 56th St
P.I.P.	East Yuma Freeway
P.I.P.	40th Street - Avenue B to Avenue D
P.I.P.	45th Avenue - 5th Street to 28th Street
P.I.P.	52nd Street - Avenue 5E to Avenue 6E
P.I.P.	16th Street Widening - 6th Avenue to 14th Avenue
P.I.P.	Yuma Townsite & Yuma North Subdivision
P.I.P.	Yuma Townsite Subdivision
P.I.P.	28th St. - 4th Ave. to Alley West of Madison Ave.
P.I.P.	Maiden Lane & Gila Street - 1st St to Giss Pkwy

P.I.P.	36th Street - Arizona Avenue to 4th Avenue
P.I.P.	Elks Lane - 24th Street to 14th Avenue
P.I.P.	Thacker Lateral Multi-Use Path (North)
P.I.P.	Thacker Lateral Multi-Use Path (South)
P.I.P.	Pacific Avenue Sidewalks
P.I.P.	Avenue A - 24th Street to 32nd Street
P.I.P.	East Palo Verde Street - Pacific Avenue to Ave 2½E
P.I.P.	Engler Avenue - 24th St. & E. Palo Verde St.
P.I.P.	Avenue D Bike Path
P.I.P.	Avenue C½ - 36th Street to 40th Street
P.I.P.	Traffic Signal Install - Avenue C and 28th Street
P.I.P.	45th Avenue Bike Path
P.I.P.	El Paseo Real Construction
P.I.P.	Meadowbrook Subdivision Streets Reconstruction
P.I.P.	Rancho Verde Subdivision Street Reconstruction
P.I.P.	Magnolia Village Units 1-3 Street Reconstruction
P.I.P.	28th Street Reconstruction - 8th Ave to 4th Ave
P.I.P.	Avenue B Turn Lanes
P.I.P.	Palo Verde Street Construction
P.I.P.	Pacific Avenue Access Study & Implementation
P.I.P.	Automated Traffic Counting Addition
P.I.P.	38th Ave. Crossing of U.S.B.R. Central Drain
P.I.P.	34th Drive Crossing of U.S.B.R. Central Drain
P.I.P.	Orange Avenue Improvements and Beautification
P.I.P.	32nd Street Expressway Construction
P.I.P.	Avenue 9½E Construction
P.I.P.	Avenue 9E Construction
P.I.P.	Pacific Avenue - 16th Street to 32nd Street
P.I.P.	Avenue 6E Construction
P.I.P.	20th Street - Avenue B to Avenue D
P.I.P.	24th Street - Avenue 3E to Avenue D
P.I.P.	Avenue B - I-8 to 80th Street
P.I.P.	Avenue C - 1st Street to 24th Street
P.I.P.	24th Street / Avenue B Corridor Studies
P.I.P.	4th Avenue - 1st and 8th Streets Intersections
P.I.P.	1st Avenue - 1st Street to Court Street
P.I.P.	28th Street - Avenue 9E to Avenue 9¾E
P.I.P.	Traffic Signals Maintenance Facility
P.I.P.	16th Street - Avenue B to Avenue C
P.I.P.	16th Street - Avenue C to 47th Avenue
P.I.P.	18th Avenue - Camino Alameda Connection
P.I.P.	4th Avenue & 24th Street Improvement
P.I.P.	McPhauls Subdivision
P.I.P.	First Street Estates Subdivision
P.I.P.	36th Street - Arizona Avenue to Burch Way
P.I.P.	8th Avenue - 24th Street to 32nd Street
P.I.P.	Villa Cordova Units 3 and 4
P.I.P.	Villa Cordova Units 1 and 2
P.I.P.	Hazelwood Estates Units 1 and 2
P.I.P.	Trigg Subdivision and Sunset Heights Unit 2
P.I.P.	Mesa Heights Subdivision Unit 3
P.I.P.	Mesa Heights Units 2 and 3
P.I.P.	Traffic Signal System Implementation
P.I.P.	Major Intersection and Location Studies

**Wastewater Utility**

**Status**

**Project Name**

P.I.P.	Wastewater Utility Security
P.I.P.	Upgrade Figueroa Service Area
P.I.P.	Diffused Air Flotation Unit Replacement
P.I.P.	Lift Station Flow Meter Retrofit
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**

<b><u>Status</u></b>	<b><u>Project Name</u></b>
P.I.P.	Agua Viva Water Treatment Plant Expansion
P.I.P.	24th Street 16" Waterline - 8th to Arizona Avenue
P.I.P.	Main St. WTF Safe Drinking Water Act Upgrades
P.I.P.	Environmental Laboratory Equipment
P.I.P.	Main Street WTF Operator Control Center
P.I.P.	Main Street WTF Sedimentation Basin Covers
P.I.P.	Main Street Water Treatment Fac. AZPDES Permit
P.I.P.	Water Distribution System Monitoring (EWS)
P.I.P.	1st Ave. Waterline - Giss Pkwy to 12th Street
P.I.P.	2nd Avenue Waterline - 12th Street to 16th Street
P.I.P.	3rd Street Watermain - Magnolia Ave. to Ave. B
P.I.P.	Arizona Ave. Waterline - 5th Street to 24th Street
P.I.P.	Fire Hydrants
P.I.P.	12th Street Waterline - 14th Ave. to 21st Dr.
P.I.P.	40th Street Waterline - E.M.C. to Avenue B
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.	Pecan Grove Waterline Improvements
P.I.P.	5th Street 10" Watermain - Avenue B to Avenue C
P.I.P.	24th St. Ground Storage Tank & Transmission Line
P.I.P.	Orange Avenue Waterline - 4th St to 8th St
P.I.P.	Carbon Feeder Improvements
P.I.P.	Main Street WTF Yard Paving Improvements



**PROJECT INDEX**  
**Capital Improvement Program**  
**City of Yuma, Arizona**

<b>Projects</b>	<b>Priority</b>	<b>Year</b>	<b>Department</b>	<b>Page</b>
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16th Street and 4th Avenue Intersection Improvements	I	2015	Transportation	19
16th Street and Arizona Avenue Improvements	II	2018	Transportation	78
16th Street Tanks and Pump Station Improvements	II	2015	Water Utility	60
16th Street Turn Lane - Maple to 1st Avenue	II	2018	Transportation	79
18th Street and Avenue C Traffic Signal	II	2019	Transportation	82
1st Avenue - 12th Street to 16th Street Paving	I	2017	Transportation	74
1st Avenue - 24th to 26th Street Paving	I	2016	Transportation	69
1st Avenue - Orange Avenue to 9th Street Paving	I	2018	Transportation	76
21st Street Waterline Extension	I	2015	Water Utility	51
22nd Street - Avenue A to 4th Avenue Paving	I	2016	Transportation	70
24th Street - Avenue B to Avenue C Improvements	I	2015	Transportation	20
24th Street and 1st Avenue Turn Lane	II	2019	Transportation	83
28th Street - Avenue B to Avenue C Improvements	II	2018	Transportation	80
32nd Street & Avenue B Intersection Improvements	I	2016	Transportation	71
32nd Street & Pacific Avenue Improvements	I	2019	Transportation	81
32nd Street and Avenue 5E Turn Lanes	II	2019	Transportation	84
32nd Street and Avenue 7E Turn Lane	II	2015	Transportation	31
32nd Street and Avenue 8E Turn Lane	II	2015	Transportation	32
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5th Street Sanitary Sewer Replacement	I	2015	Wastewater Utility	40
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Airport Loop Road Improvements	I	2015	Transportation	22
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Downtown Revitalization	II	2015	Yuma Crossing Heritage Area	64
Downtown Sewer Line Replacement	I	2015	Wastewater Utility	41
East Main Canal MSP - 32nd Street Underpass	II	2015	Transportation	34

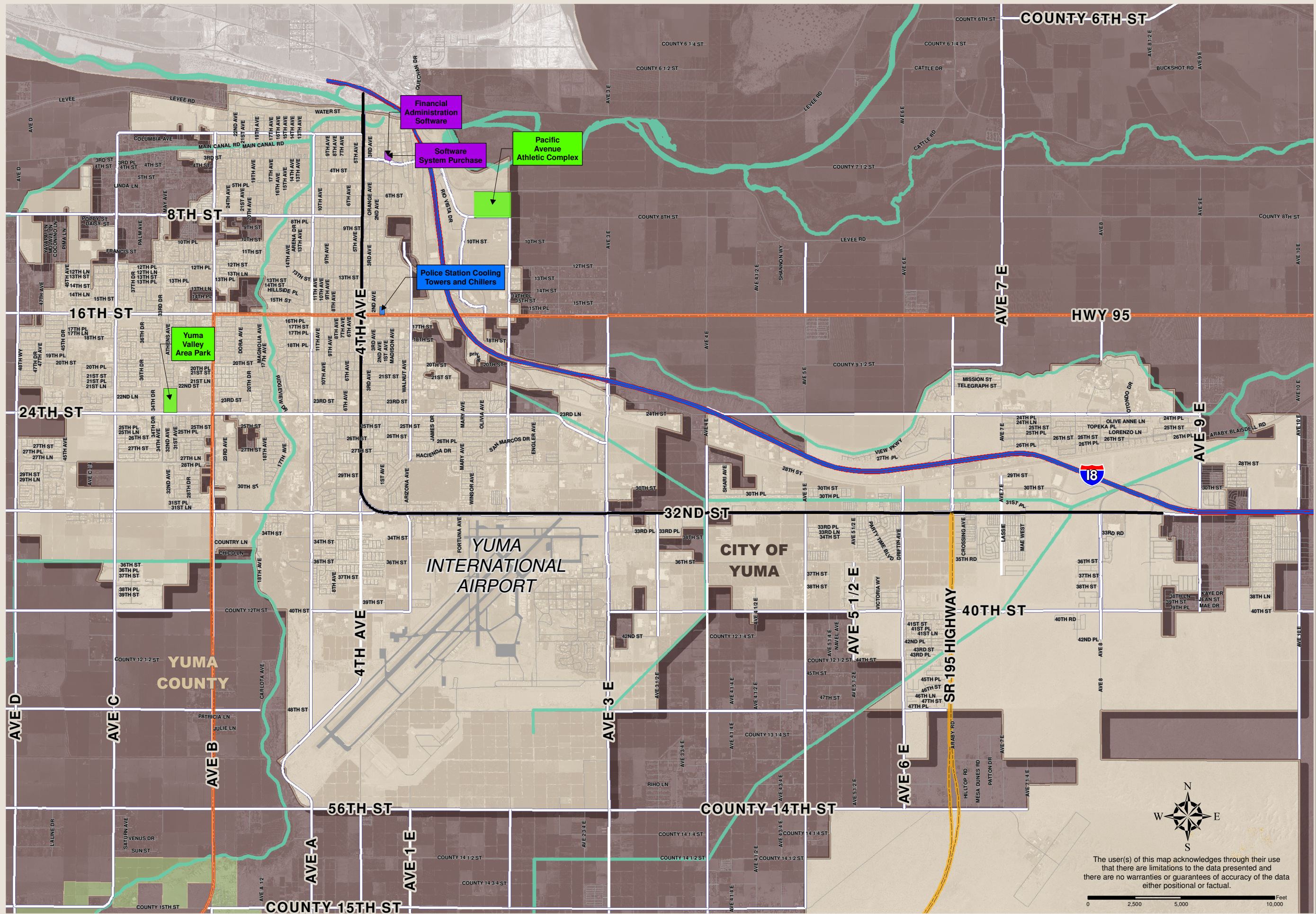
<b>Projects</b>	<b>Priority</b>	<b>Year</b>	<b>Department</b>	<b>Page</b>
Ferrous Chloride Injection System Upgrade	I	2018	Wastewater Utility	96
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Figueroa WPCF Bar Screen Replacement	I	2015	Wastewater Utility	42
Figueroa WPCF Biosolids Dewatering Process	I	2015	Wastewater Utility	43
Figueroa WPCF Capacity Study	II	2015	Wastewater Utility	48
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Palo Verde St - Catalina Dr to Arizona Ave Paving	I	2015	Transportation	30
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Software System Purchase	I	2015	Information Technology	13
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West Wetlands Lower Bench Completion	I	2015	Yuma Crossing Heritage Area	63
Yuma Multimodal Center	II	2015	Yuma Crossing Heritage Area	65
Yuma Valley Area Park	I	2015	Parks and Recreation	16



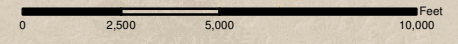
# Capital Improvement Program ITS/Parks and Recreation/ Public Safety-FY 2015

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

## Map-1

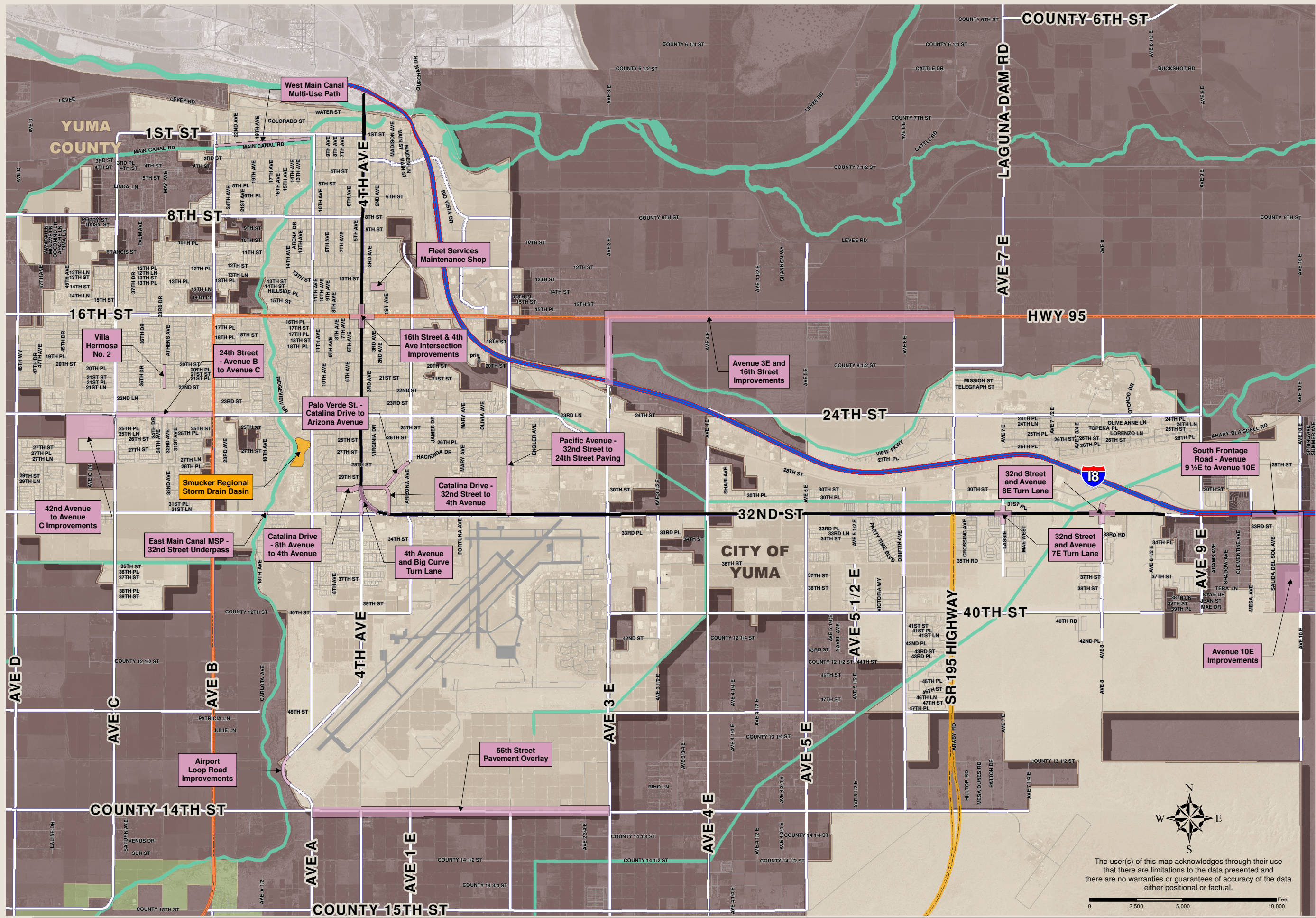


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# Capital Improvement Program Transportation/ Stormwater Control-FY 2015



Transportation Projects  
 Stormwater Control Projects  
 City of Yuma  
 Yuma County

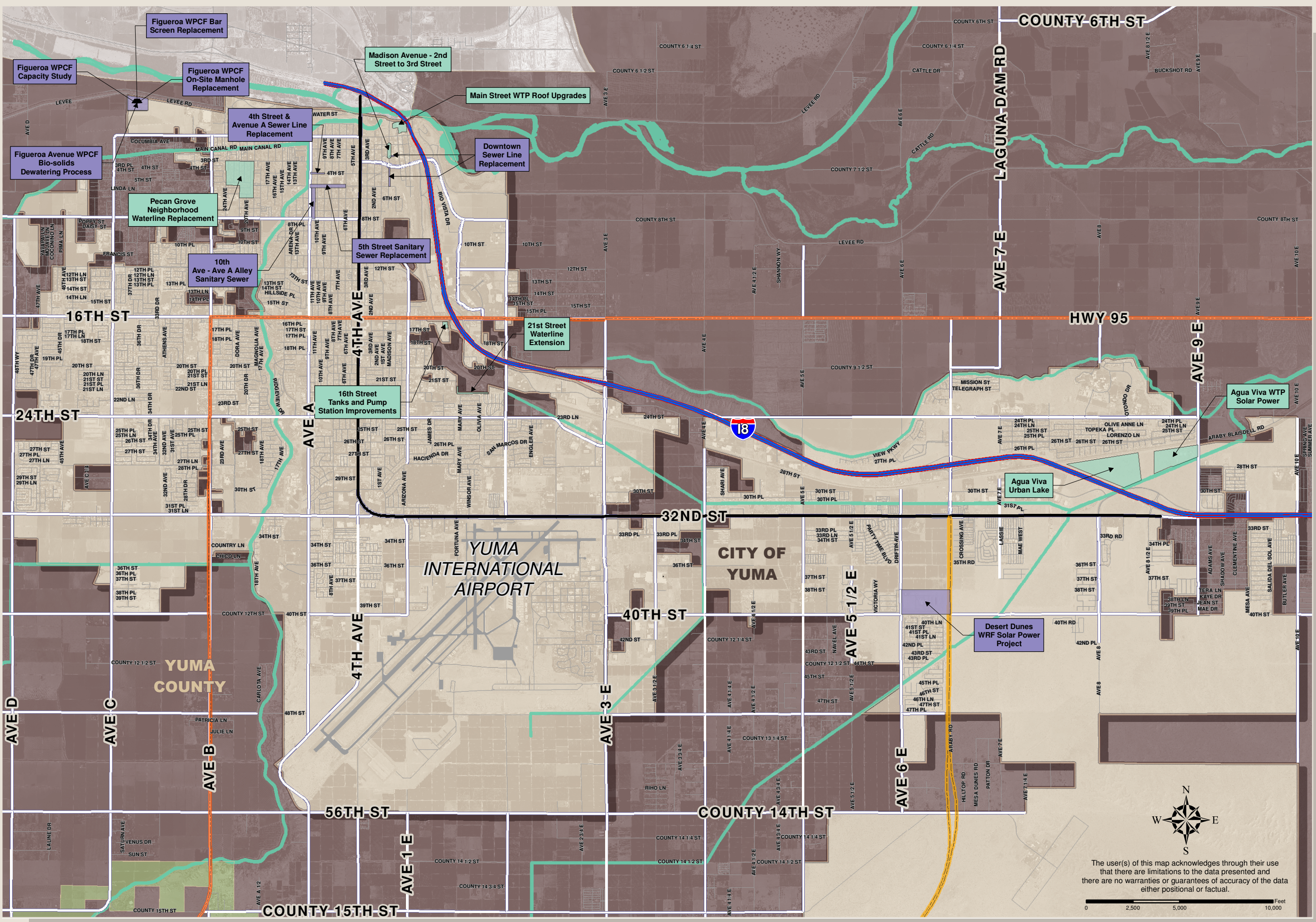
\*NOTE: Citywide Projects  
Citywide Safety Study

## Map-2

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# Capital Improvement Program Water/ Wastewater Utility-FY 2015



**Water Utility Projects** (Green line)

**Wastewater Utility Projects** (Blue line)

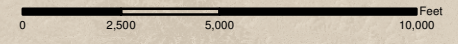
**City of Yuma** (Purple box)

**Yuma County** (Grey box)

\*NOTE: Citywide Projects  
Waterline Replacement/Improvements  
Water Main Replacement/Annual Project  
Sewer Line Replacement/Improvements  
Interceptor Sewer Flow Monitoring Upgrades  
Wastewater Collection System Lift Station Upgrades  
Manhole Rehabilitation/Reconstruction



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## Map-3

West Wetlands Lower Bench Completion

Fourth Avenue Gateway

Downtown Revitalization

Yuma Multimodal Center



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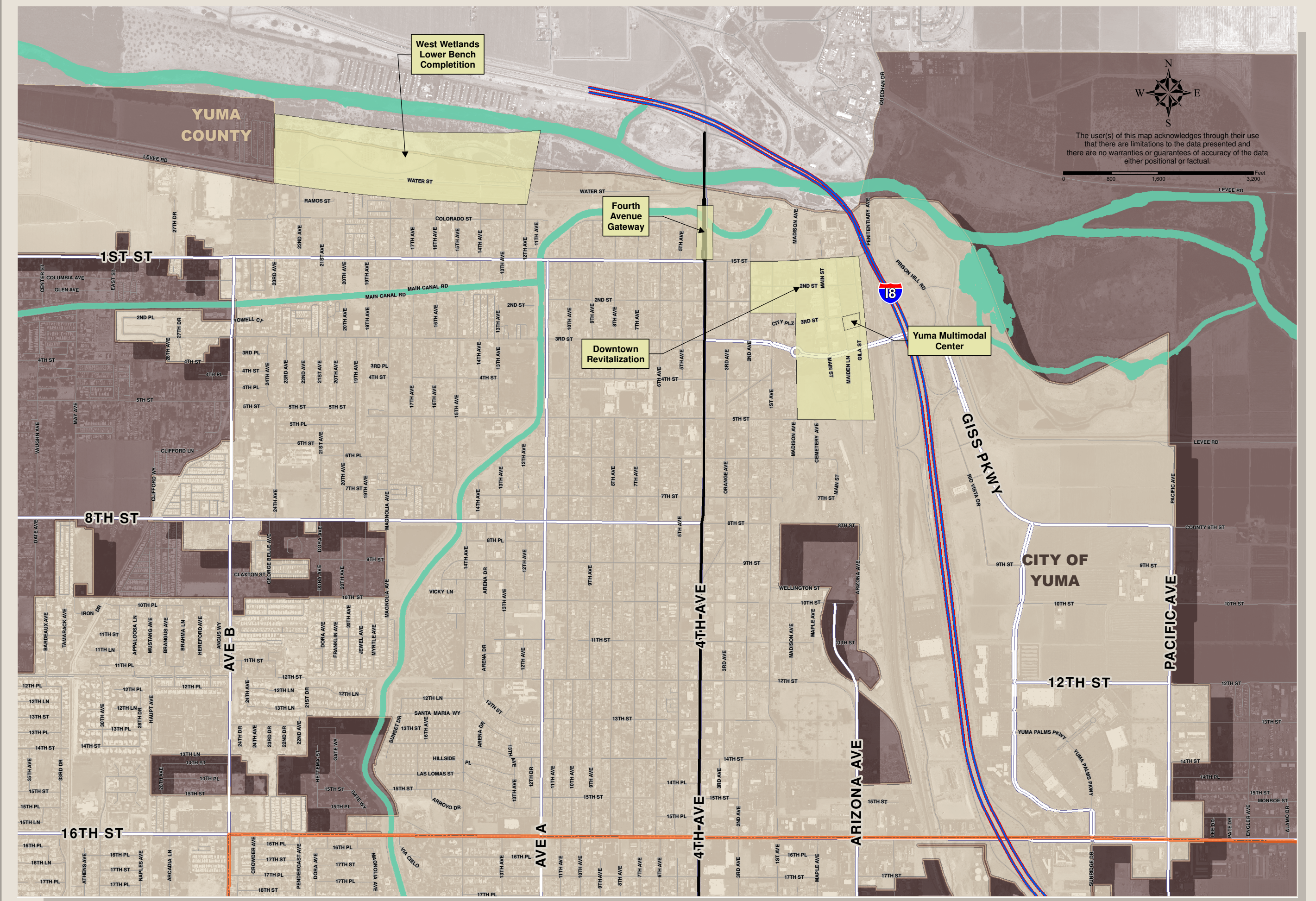


# Capital Improvement Program Yuma Crossing Heritage (YCNHA)-FY 2015

- Heritage Area Projects
- City of Yuma
- Yuma County

\*NOTE: Citywide Projects Redevelopment Proposed Grants

## Map-4

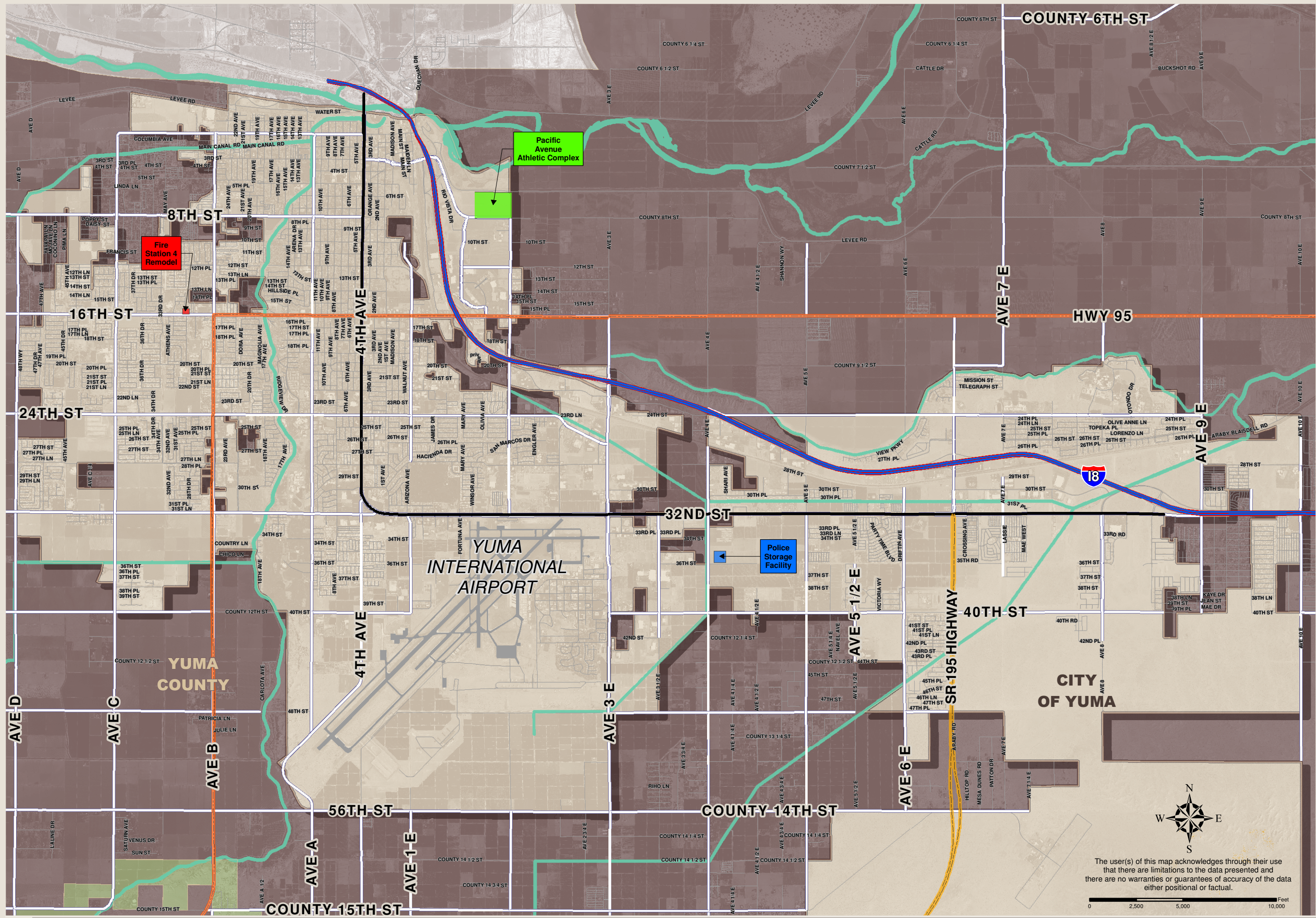




# Capital Improvement Program Parks and Recreation/ Public Safety-FY 2016-19

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

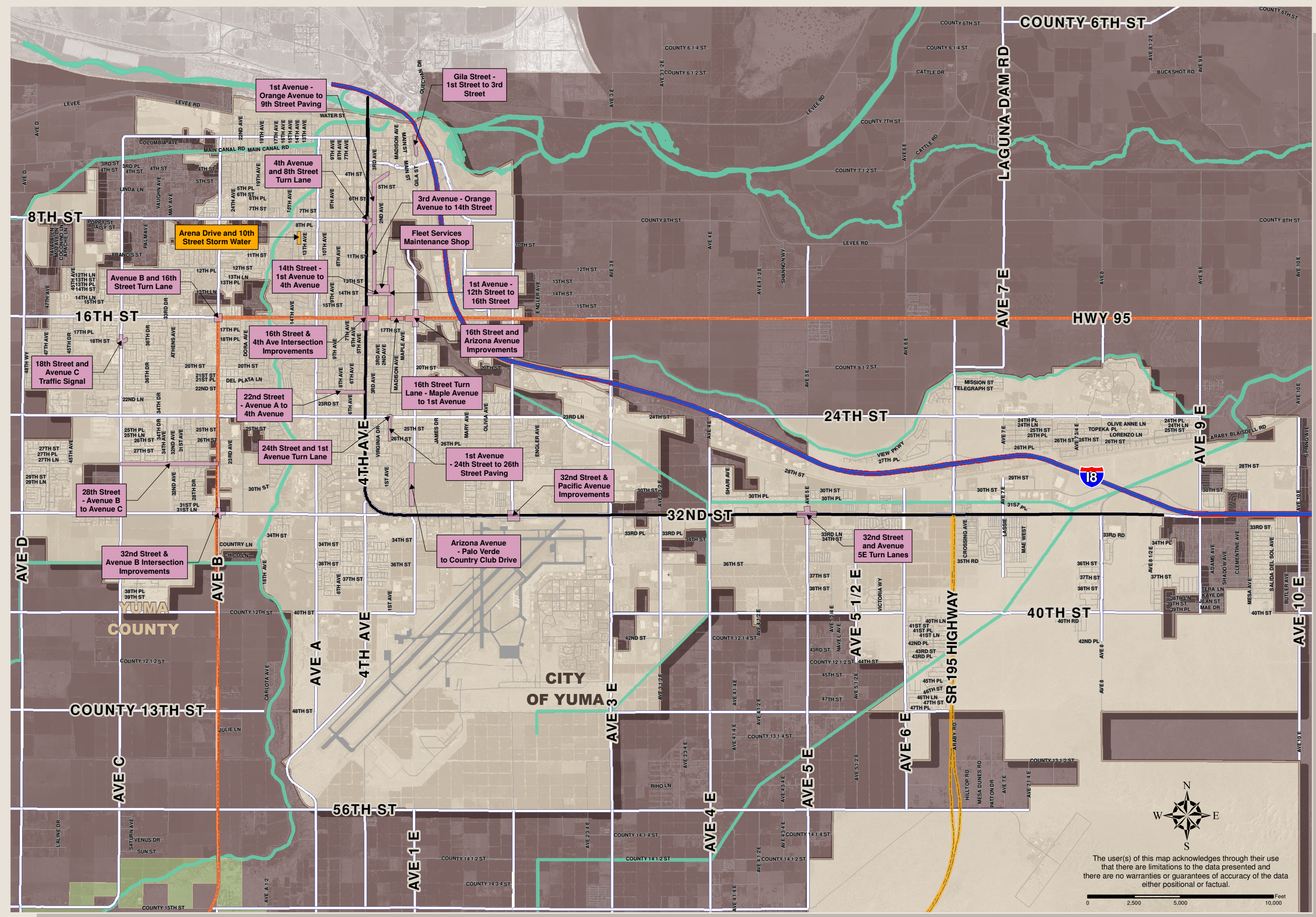
## Map-1



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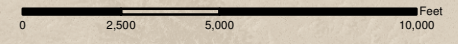
# Capital Improvement Program Transportation/ Stormwater Control-FY 2016-19



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



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## Map-2



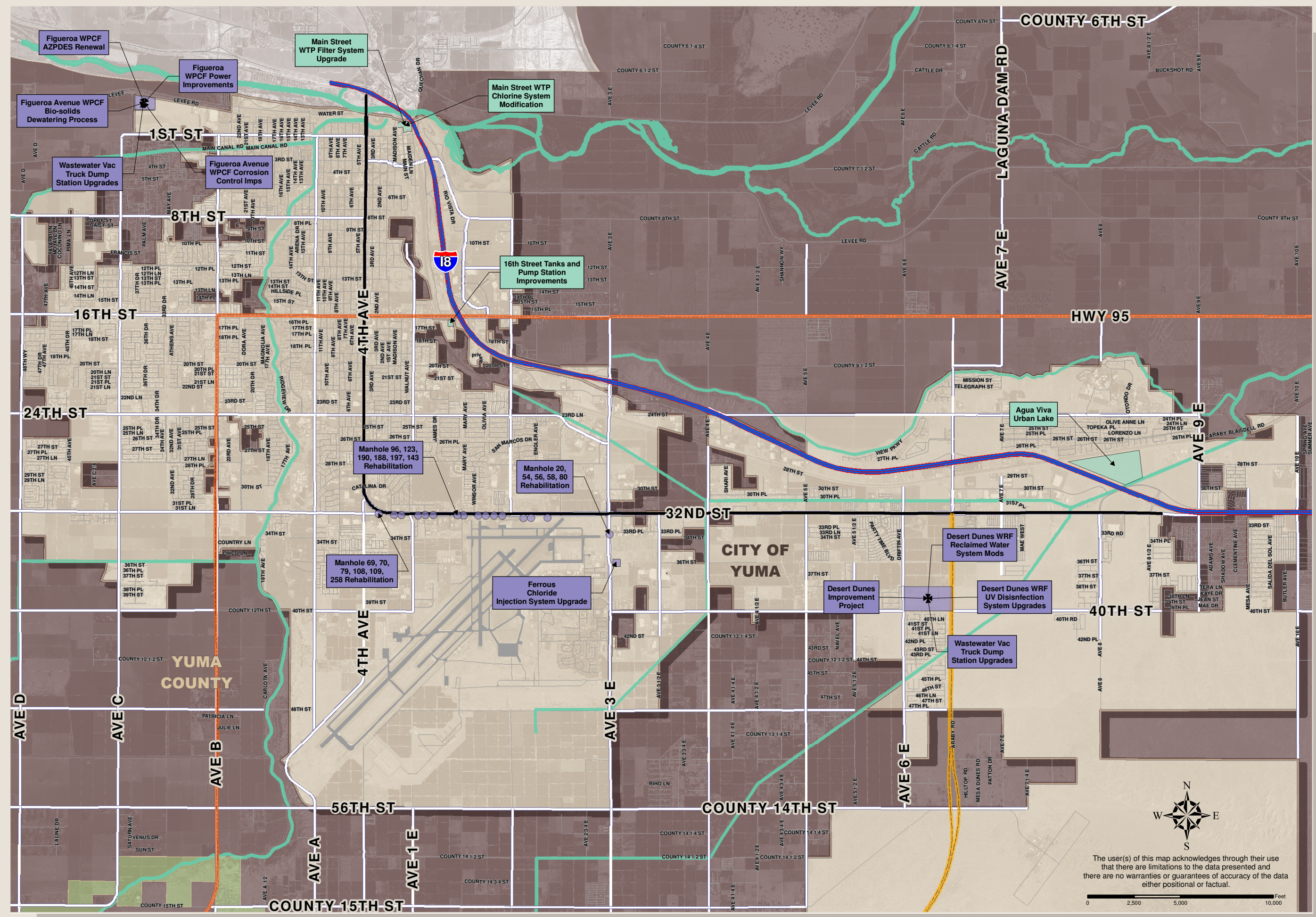


# Capital Improvement Program Water/ Wastewater Utility-FY 2016-19

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

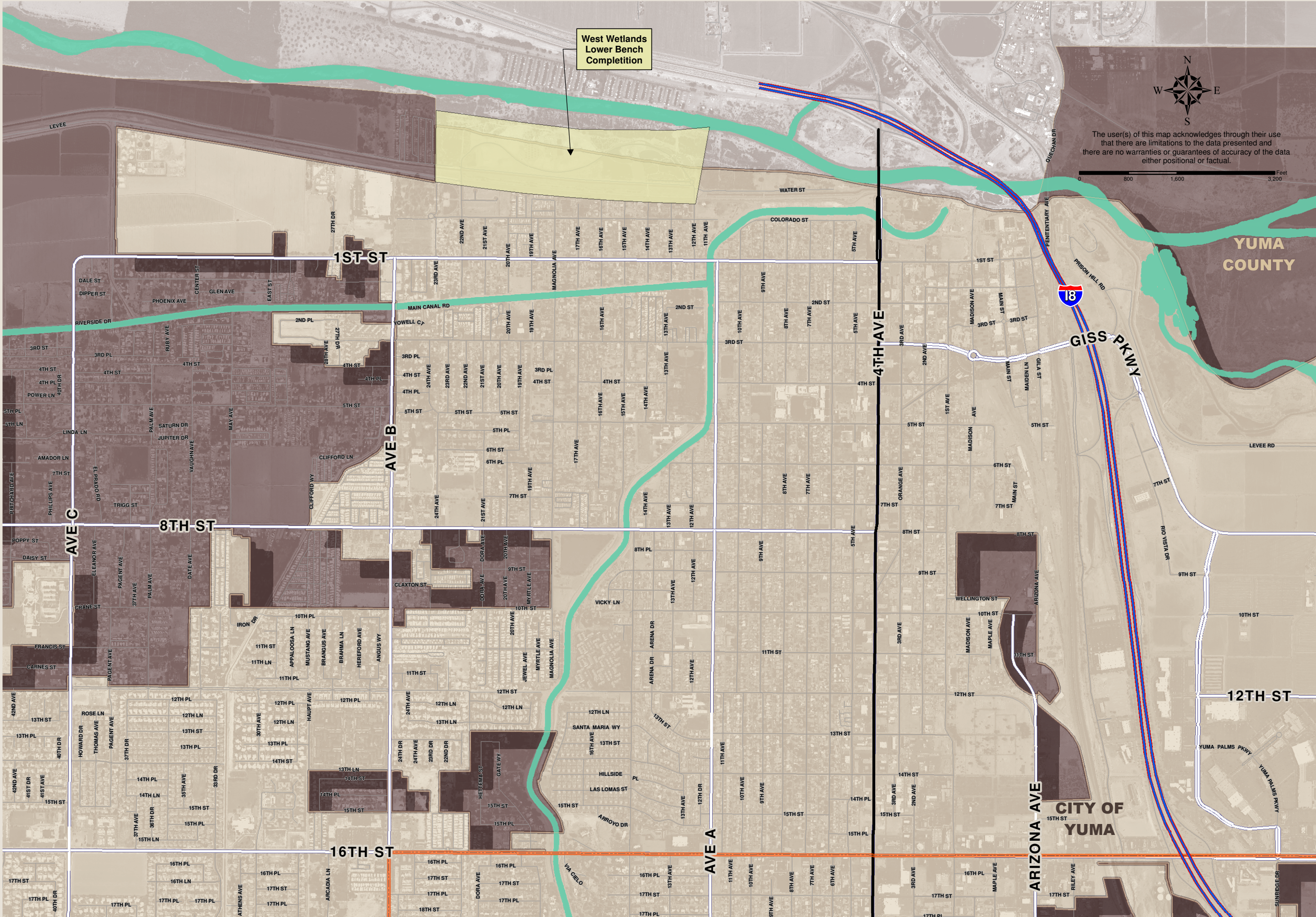
\*NOTE: Citywide Projects  
 New Water Services  
 Water Main Replacement/Annual Project  
 Sewer Line Replacement/Improvements  
 Wastewater Collection System Lift Station Upgrades  
 Manhole Rehabilitation/Reconstruction

## Map-3



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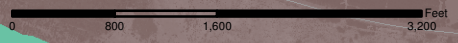
0 2,500 5,000 10,000 Feet



West Wetlands Lower Bench Completion



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# Capital Improvement Program Yuma Crossing Heritage (YCNHA)-FY 2016-19

- Heritage Area Projects
- City of Yuma
- Yuma County

\*NOTE: Citywide Projects  
Redevelopment Proposed Grants

## Map-4



Prepared by:

City Administration  
Capital Improvement Program  
One City Plaza  
Yuma, Arizona 85364